



2nd BIO-IT World Europe

2nd Bio@venture Conference

Bioactive Ingredients for
Functional Foods

Biotechnological Innovation in Food

bone-tec

GEN Drug Discovery Theatre

Innovation Forum

Life Science Spotlight

1st Molecular Diagnostics Europe

Partnering

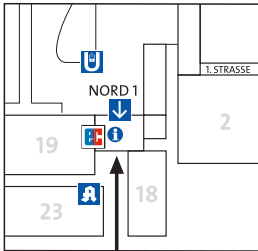
2nd PEGS Europe

5th World Congress on Preventive
and Regenerative Medicine

Conference Program



Hannover, 5–7 October 2010



- | | | | |
|--|----------------------|--|--|
| Eingang
Entrance | Convention Center | Parkplatz Bus
Parking Bus | Presse-Centrum
Press Center |
| Projektleitung BIOTECHNICA
Management-Office | Service Center | Stadtbahn
Tram | Apotheke
Pharmacy |
| Parkplatz Besucher/Aussteller
Parking Visitors/Exhibitors | Taxi | Flughafen Shuttle
Airport Shuttle | Garderobe
Wardrobe |
| Parkplatz LKW
Parking Bus Lorries | Restaurant | Catering Konferenzen
Catering Conferences | EC-Geldautomat
EC-Cash dispensing Machine |
| | Information
(EBI) | | |



Veranstaltungen BIOTECHNICA 2010

Herzlich Willkommen zu den BIOTECHNICA Konferenzen!

Die Schwerpunkte in diesem Jahr: Bio/Pharma IT, molekulare Diagnostik, Proteine & Antikörper sowie präventive und regenerative Medizin, die sowohl in den Konferenzen im Convention Center als auch auf den Sonderpräsentationsflächen in der Halle 9 abgebildet werden.

Neben den Konferenzen erleben Sie in den Foren der Halle 9 weitere hochinteressante Vorträge. Besuchen Sie das neue GEN Drug Discovery Theatre, das alt bekannte INNOVATION Forum, das BMBF Projektforum Biotechnologie sowie das Life Science Spotlight. Im Übrigen werden sich die Life Science Research Unternehmen erstmals auf einem Gemeinschaftsstand präsentieren, auf dem die Exponate auf die jeweiligen Themen im Life Science Spotlight abgestimmt sind.

Knüpfen Sie interessante und erfolgsversprechende Geschäftskontakte in der Halle 9!

Events at BIOTECHNICA 2010

Welcome to BIOTECHNICA Conferences!

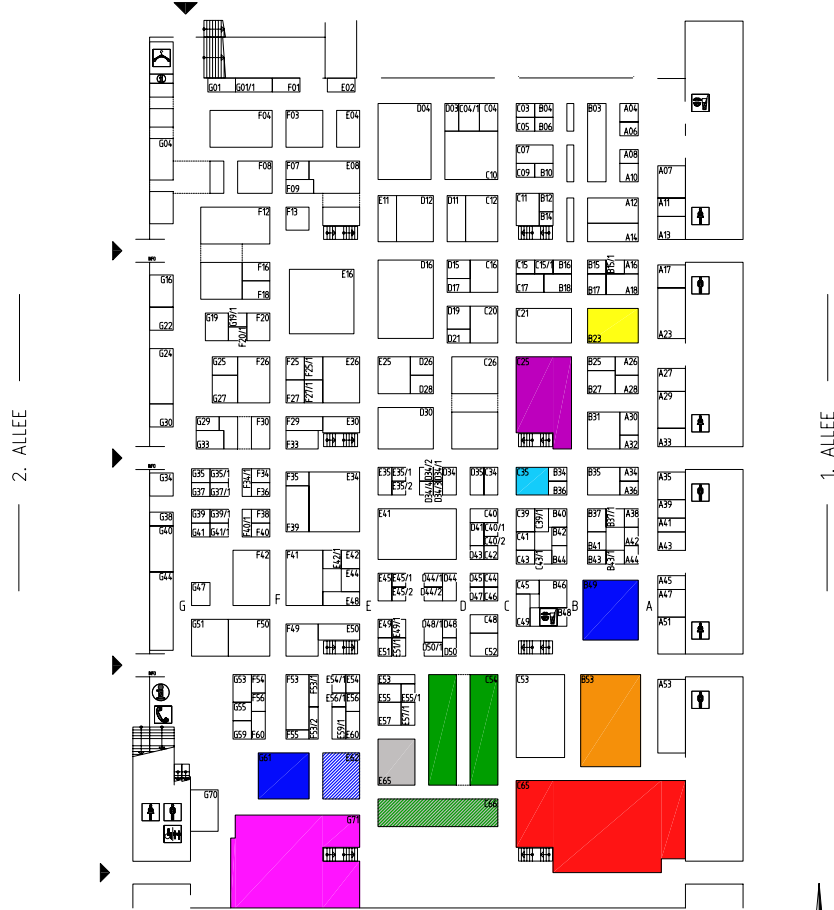
The topics to be addressed at this year's conferences and the parallel expo in Hall 9 are Bio/Pharma IT, Molecular Diagnostics, Proteins, Antibodies, and Preventive & Regenerative Medicine.

For even more thematic coverage, Hall 9 will feature a rich array of forum lectures. Visit the GEN Drug Discovery Theatre, the BIOTECHNICA INNOVATION Forum, the BMBF Biotech Project Forum and the Life Science Spotlight. For the first time, life science research firms will be presenting themselves within a joint pavilion, with exhibits reflecting the various "Life Science Spotlight" themes to be featured daily.

In short: besides the conferences in the convention center Hall 9 is the place to be for knowledge transfer, insight into new products and solutions and networking at its very best!

Hall 9 Exhibition & Forums

HALLENPLAN HALLE 9
PLAN OF HALL 9



LEGENDE:

FORUMS

- B23 GEN Drug Discovery Theatre
- C25 BMBF Projectforum
- B49 INNOVATION FORUM I
- G61 INNOVATION FORUM II • Life Science Spotlight

SPECIAL EXHIBITS

- C35 Award Finalists
- C54 CHI joint pavilion
Bioinformatics, Protein & Antibodies, Molecular Diagnostics
- E65 Regenerative Medicine (WCPRM)
- E62 Life Science Research joint pavilion

CATERING AREA

- G71 Conference Catering Area

POSTER PRESENTATIONS

- C66 Poster Presentations CHI / WCPRM

PARTNERING

- C65 BIOTECHNICA Partnering

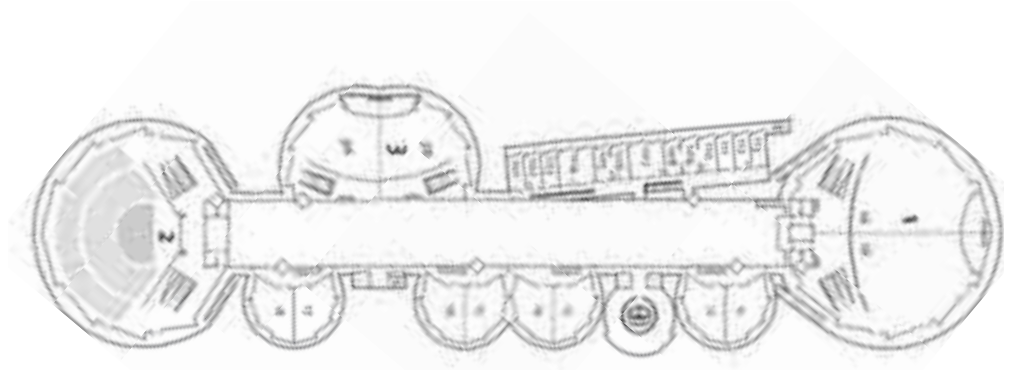
JOBVECTOR CAREER

- B53 jobvector

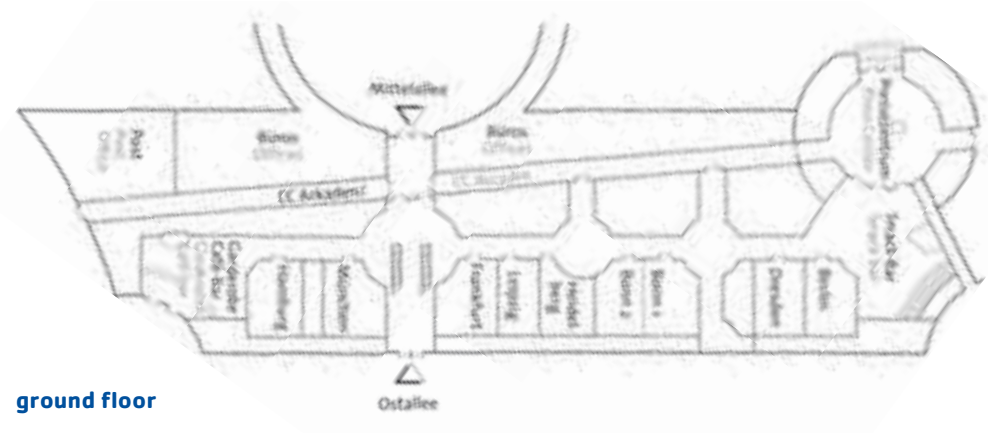
= STANDORT
POSITION



Convention Center (CC)



1st floor



ground floor

TOPIC	PROGRAM	ORGANIZER	OCTOBER				WHERE	CONDITIONS OF PARTICIPATION	
			4 th	5 th	6 th	7 th			
MEDICAL BIOTECHNOLOGY									
Therapeutics	2 nd PEGS Europe – Protein & Antibody Engineering Summit	Cambridge Healthtech Institute (CHI)					CC	✓	
	5 th World Congress on Preventive and Regenerative Medicine	International Foundation Regenerative Medicine GmbH					CC	✓	
	bone-tec 2010 International Bone-Tissue-Engineering Congress	Institute Indente				10 th	CC	✓	
	EAPB SIG: Regenerative Medicine	European Association of Pharma Biotechnology (EAPB)					CC	✓	
	EAPB SIG: Regulatory Aspects for Biopharmaceuticals	European Association of Pharma Biotechnology (EAPB)					CC	✓	
Diagnostics	Stem Cells (Life Science Spotlight)	Life Science Research (LSR)					Hall 9, G61		✓
	1 st Molecular Diagnostics Europe	Cambridge Healthtech Institute (CHI)					CC	✓	
	Forensics (Life Science Spotlight)	Life Science Research (LSR)					Hall 9, G61		✓
	Stem Cells (Life Science Spotlight)	Life Science Research (LSR)					Hall 9, G61		✓
AGRIFOOD BIOTECHNOLOGY									
Food Analytics & Production	Molecular Food Analysis (Life Science Spotlight)	Life Science Research (LSR)					Hall 9, G61		✓
	Biotechnological Innovation in Food	MicroMol GmbH					CC	✓	
	Bioactive Ingredients for Functional Foods	Forschungsverbund Agrar- und Ernährungswissenschaften Niedersachsen (FAEN) Deutsches Institut für Lebensmitteltechnik e.V.					CC	✓	
INTERDISCIPLINARY TECHNOLOGIES									
Bioinformatics	2 nd Bio-IT World Europe	Cambridge Healthtech Institute (CHI)					CC	✓	
ENABLING TECHNOLOGIES									
	2 nd PEGS Europe – Protein & Antibody Engineering Summit	Cambridge Healthtech Institute (CHI)					CC	✓	
	2 nd Bio-IT World Europe	Cambridge Healthtech Institute (CHI)					CC	✓	
	1 st Molecular Diagnostics Europe	Cambridge Healthtech Institute (CHI)					CC	✓	
	Molecular Food Analysis (Life Science Spotlight)	Life Science Research (LSR)					Hall 9, G61		✓
	Stem Cells (Life Science Spotlight)	Life Science Research (LSR)					Hall 9, G61		✓
	Forensics (Life Science Spotlight)	Life Science Research (LSR)					Hall 9, G61		✓
	Biobanks (Life Science Spotlight)	Life Science Research (LSR)					Hall 9, G61		✓
SERVICES/BUSINESS DEVELOPMENT									
	2 nd Bio@venture Conference 2010	Investitions- und Förderbank Niedersachsen, NBank Landesinitiative Life Sciences Niedersachsen, BioRegion Enterprise Europe Network Niedersachsen, Deutsche Messe					CC	✓	
SPECIAL EVENTS									
	GEN Drug Discovery Theatre	Genetic Engineering & Biotechnology News					Hall 9, B23		✓
	BMBF Project Forum Biotechnology	Bundesministerium für Bildung und Forschung (BMBF)					Hall 9, C25		✓
	BIOTECHNICA PARTNERING	Deutsche Messe, EBD Group					Hall 9, C65	✓	
	Posters and Exhibits BioIT, PEGS, Molecular Diagnostics	Deutsche Messe, Cambridge Healthtech Institute (CHI)					Hall 9, C54		✓
	Posters and Exhibits Regenerative Medicine	Deutsche Messe, International Foundation Regenerative Medicine					Hall 9, E65		✓
	Latin American Day 2010	Lateinamerika Verein e.V.					Pav. 37	✓	
BIOTECHNICA INNOVATION FORUM									
	BIOTECHNICA INNOVATION FORUM	Deutsche Messe					Hall 9, B49 and G61		✓
CAREER DEVELOPMENT AND TRAINING									
	Award of the BIOTECHNICA Study Prize 2010	VBIO e.V., Roche Diagnostics GmbH					Hall 9, E41		✓
	jobvector career day	jobvector					Hall 9, B53		✓

For detailed information please visit: www.biotechnica.de/events

CC = Convention Center Hall 9 = BIOTECHNICA Exhibition Hall ✎ = registration and fee required ✕ = complimentary and no registration

Medical Biotechnology

2nd PEGS Europe – Protein & Antibody Engineering Summit	8
5th World Congress of Preventive & Regenerative Medicine (WCPRM).....	10
bone-tec 2010 – International Bone-Tissue-Engineering Congress.....	18
EAPB SIG: Regenerative Medicine	25
EAPB SIG: Regulatory Aspects for Biopharmaceuticals	26
Life Science Spotlight 2010 – Stem Cells	27
1st Molecular Diagnostics Europe	28

Agrifood Biotechnology

Life Science Spotlight 2010 – Molecular Food Analysis.....	29
Biotechnological Innovation In Food	30
Bioaktive Inhaltsstoffe für funktionelle Lebensmittel / <i>Bioactive Ingredients for functional Foods</i>	31

Interdisciplinary Technologies

2nd Bio-IT World Europe	33
-------------------------------	----

Enabling Technologies

Life Science Spotlight 2010 – Forensics/Biobanks.....	34
---	----

Services/Business Development

2nd Bio@venture Conference 2010.....	36
--------------------------------------	----

Special Events

Gen Drug Discovery Theatre	38
BMBF Projektforum Biotechnologie / <i>BMBF Project Forum Biotechnology</i>	39
BIOTECHNICA PARTNERING	45
Lateinamerika-Tag 2010 / <i>Latin American Day 2010</i>	46

BIOTECHNICA Innovation Forum

Innovation Forum	48
------------------------	----

Career Development & Training

Verleihung des BIOTECHNICA Studienpreises 2010 / <i>Award of the BIOTECHNICA Study Price 2010</i>	55
jobvector-Karrierestand / <i>jobvector Career Booth</i>	55

jobvector-Check / <i>jobvector-Checking Service</i>	56
jobvector-Forum.....	56
jobvector-Networking	58

Program Cambridge Healthtech Institute

Floor plan Convention Center (CC)	S-2
2nd Bio-IT World Europe	B2-B10
2nd Annual PEGS Europe	P11-P20
Molecular Diagnostics Europe	M21-M29

Medical Biotechnology

2nd PEGS Europe – Protein & Antibody Engineering Summit Convention Center (CC), Saal/room 1 A, Saal 1B/Room 1B 04.10.2010 – 07.10.2010

Due to last year's success BIOTECHNICA and Cambridge Healthtech Institute (CHI) are again featuring an important life science conference.

At PEGS Europe 2010 delegates will hear over 50 presentations from international researchers, with the ability to move between two concurrent tracks to attend presentations of specific interest to them. There are also numerous other learning and networking opportunities ranging from Pre-Conference Short Courses to networking receptions and other social events.

Programs:

- Novel Antibody Constructs and Alternative Scaffolds
- Protein Expression and Cell Line Development
- Empowered Bispecific Antibodies and Antibody-Drug Conjugates
- Difficult Protein Expression and Purification

Details for this conference: pages P11–20

Veranstalter/ Organizer	Cambridge Healthtech Institute 250 First Avenue USA-02494 Needham
Sprache/ Language	English
Teilnahme/ Participation	Participation fee incl. V.A.T. and entrance tickets to the fair Attendance of TWO conferences: 1.745,00 EUR (Commercial) 805,00 EUR (Academic, Government, Hosp. Affiliated) 450,00 EUR (Student) Attendance of ONE conference: 1.245,00 EUR (Commercial) 625,00 EUR (Academic, Government, Hosp. Affiliated) 300,00 EUR (Student) Registration required via Cambridge Healthtech Institute's online at www.PEGSummitEUROPE.com On-site Registration (4-7 October, 2010): Convention Center (CC), Foyer Area 1, Registration desk.
Kontakt/ Contact	Jennifer Devine Telefon: +1 781-972-5400 Fax: +1 781-972-5425 E-mail: reg@healthtech.com

The International Portal for DNA technology opens in December 2010.
Register now in german or international registry



and save pre-opening discount of more than 70%!
www.dna24.net/biotechnica2010

More informations:
Halle 009, Stand 26



DNA24.net
Visit: www.dna24.net
Tel.: +49 (0)35601-51451

IKDT Innovative Diagnostics - Your Partner in Molecular Research

IKDT Innovative Diagnostics as one of the first service providers in Europe offers the prompt access to two innovative technologies – GENIOM Biochips (FEBIT) and Taqman Low-Density-Arrays (Applied Biosystems) for gene expression studies or microRNA profiling. Applying bead-based Luminex technology our service portfolio includes additionally multiplex measurement of cytokine and immunological profiles, microRNA sets and transcriptome panels by test systems from different suppliers for research projects, clinical trials or molecular diagnostics.

Services provided:

- **Gene expression analysis**
(Affymetrix, Applied Biosystems)
- **Whole genome array** (FEBIT)
- **SNP Genotyping by QPCR and Sequencing**
(Applied Biosystems, BeckmanCoulter)
- **MicroRNA profiling**
(Applied Biosystems, FEBIT, Luminex)
- **Phosphorylated proteins, cytokine profiling**
(Biorad, Invitrogen)

Internet: www.innovative-diagnostics.eu

Institute Cardiac Diagnostics and Therapy (IKDT)

IKDT is a leading laboratory worldwide in differential diagnostics of viral infections and inflammation of heart muscle tissue following the international recommendations. IKDT is the only cardiological laboratory performing molecular diagnostics of endomyocardial biopsies in Germany which is accredited by College of American Pathologists (CAP) according to FDA guidelines. Customers for our biopsy diagnostics are hospital-affiliated institutions or private doctor offices. Four main topics will be covered for routine diagnostics:

- **Histology**
- **Immunohistochemistry**
- **Molecular Virology**
- **Autoantibodies**

Institut Kardiale Diagnostik und Therapie GmbH
Moltkestrasse 31, D-12203 Berlin (Germany)
Phone: +49 (0) 30 8441 5540
Fax: +49 (0) 30 8441 5555
www.ikdt.com | email: info@ikdt.com

Visit us: Halle 009, Stand 26



Medical Biotechnology

5th World Congress of Preventive & Regenerative Medicine (WCPRM) Convention Center (CC), Room 2, 3A 05.10.2010–07.10.2010

BIOTECHNICA has brought the 5th World Congress for Preventive and Regenerative Medicine (WCRM) to Hannover. Having previously been hosted in Leipzig and Bangkok, this major scientific event will take place for the first time at the European summit for biotechnology and the life sciences.

During BIOTECHNICA scientists and clinical experts from all over the world will be meeting to discuss new ways of treating previously untreatable or therapeutically challenging diseases with regenerative therapies.

The program reflects the broad spectrum of scientific approaches in regenerative medicine. In view of the scientific content of this year's program, emphasis is being placed on preventive medicine. Further keynote themes include tissue engineering, clinical applications of regenerative medicine, anti-aging medicine and stem cell research. Stem cells are thought to have huge potential in the treatment of a number of chronic diseases. Due to the statutory restrictions on research into the field of regenerative medicine, ethical and legal aspects will also rank high on the agenda.

Veranstalter/
Organizer International Foundation Regenerative Medicine gGmbH
World Federation & World Virtual Institute of Preventive & Regenerative Medicine, Sanamander
(TM) in conjunction with BIOTECHNICA

Sprache/
Language Englisch/English

Teilnahme/
Participation Full conference ticket (5-7 October 2010)

500,00 EUR (Participants)
400,00 EUR (Members)
200,00 EUR (Students)
200,00 EUR (Exhibitors)

Two-day conference ticket

400,00 EUR (Participants)
320,00 EUR (Members)
160,00 EUR (Students)
160,00 EUR (Exhibitors)

One-day conference ticket

200,00 EUR (Participants)
160,00 EUR (Members)
80,00 EUR (Students)
80,00 EUR (Exhibitors)

Full admission to BIOTECHNICA 2010, Lunch and coffee breaks during the World Congress, Name tag and delegate bags, Abstract book or CD.

No VAT requested according to §4.22 UStG (Participation fee/coffee breaks)

Registration required online at <http://regmed.net/registration/>

On-site Registration (5-7 October, 2010):

Convention Center (CC), Foyer Area 2, Registration desk

Kontakt/
Contact Dana Schlameuß
Telefon: +49 6182 – 94 666 16
Fax: +1 781-972-5425
E-mail: d.schlameuss@kelcon.de

Medical Biotechnology

5th World Congress of Preventive & Regenerative Medicine (WCPRM)

Dienstag/ Tuesday, 05.10.2010

Convention Center (CC), Room 2:

Opening

08:30–09:00 **Welcome Address and Official Opening**
Hauke Jagau, President of Hannover Region

Presidential Address:

09:00–09:30 **The Future of Regenerative Medicine**
William Haseltine, Haseltine Associates, Haseltine Foundation, Washington, USA

09:30–10:00 **Commercialization in Regenerative Medicine**
Linda Powers, Toucan Capital, Bethesda, USA

10:00–10:30 **Coffee Break Foyer Area Convention Center**

10:30–11:00 **Official "Rebirth" Lecture: Hepatocyte Transplantation – a Clinician's Viewpoint**
Michael Manns, Medizinische Hochschule Hannover (MHH), Hannover, Germany

11:00–11:30 **Bionic Technologies for Stem Cell Therapies– Physiology, preclinical and clinical studies**
Augustinus Bader, Biomtechnological-Biomedical Center (BBC), University of Leipzig, Leipzig, Germany

Rudolf-Pichlmayr Honorary Lecture:

11:30–12:00 **Preventive and Regenerative Medicine – the EU Role in Addressing Public Health Challenges**
John Dalli, European Commissioner for Health and Consumer Policy, European Commission, Brussels, Belgium

12:00–13:00 **Lunch & Poster Viewing, hall 9**

Convention Center (CC), Room 2:

Session 1: Stem Cell Mechanisms – Keynotes

Moderation: Hans-Günther Machens, Georg Duda

13:00–13:20 **Crosstalk Between Immune Cells and Stem Cells**
Hans-Dieter Volk, Charité Berlin, Berlin, Germany

13:20–13:40 **New Regenerative Tools for Chronic Wounds**
Hans-Günther Machens, Technische Universität München; Klinikum rechts der Isar, Munich, Germany

13:40–14:00 **Bone Regeneration**
Georg Duda, Charité Berlin, Berlin, Germany

Session 1: Stem Cell Mechanisms – Short Presentations

Moderation: Hans-Günther Machens, Georg Duda

14:00–15:00 **Stem Cells and Organ Transplantation – Telomerase Activity:
Indicator for Stable Transformation Efficiency in Mesenchymal Stem Cells**
Gökhan Duruksu

**Veterinary Requirements for Stem Cell Therapy – Isolation and Immunophenotypic
Characterization of Equineperipheral Blood-Derived Mesenchymal Stem Cells: Preliminary
Results**
Armando de Mattos Carvalho

Stem Cell Therapy for All Tissue Types
María Beatriz Herrera Sanchez

5th World Congress of Preventive & Regenerative Medicine (WCPRM)

Isolation, Characterization and Ex Vivo Expansion of Stem Cell Like Population from Healthy Rat Adult Liver with their Multilineage Potential in a Clinically Relevant Bioreactor
Shibashish Giri

In-vivo Model for Tissue Engineering of Peripheral Defects of Inferior Alveolar Nerve (IAN) with Solid Tissue, Stem Cells and Growth Factors in Artificial Bungee-Bands
Jörg Heine

15:00–15:30 **Coffee Break (Foyer Area Convention Center)**

Convention Center (CC), Room 2:

Session 2: Biomaterials & Stem Cells – Keynotes

Moderation: Feng-Huei Lin, Frederico Calegari

15:30–15:50 **Thermo-sensitive Hydrogel as Cell Carrier for Nucleus Pulposus Regeneration**
Feng-Huei Lin, National Taiwan University, Taipei, Taiwan

15:50–16:10 **Inducible Expansion of Neural Stem Cells in the Adult Mammalian Brain**
Frederico Calegari, DFG-Forschungszentrum und Exzellenzcluster für Regenerative Therapien (CRTD), Dresden, Germany

Session 2: Biomaterials & Stem Cells – Short Communications

Moderation: Feng-Huei Lin, Frederico Calegari

16:10–18:00 **Valve Interstitial Cells Growth and Differentiation upon Porous Collagen I Scaffold under Static and Dynamic Culture Conditions for Heart Valve Tissue Engineering**
Frantisek Straka

Growth Factor and Cytokine Expression of Human Mesenchymal Stromal Cells Is Not Altered in an In Vitro Model of Tissue Damage
Katrin Montzka

Pancreatic Islets Protected by Pancreatic Islet Derived Stem Cells through Cytokines
Gökhan Duruksu

Ex vivo Expansion of Urothelial Cells in Tridimensional Scaffolds
Regina Avelina de Moraes da Silva

Endocytosis, Intracellular Distribution and Exocytosis of Silver Nanoparticles in Human Mesenchymal Stem Cells
Christina Greulich

Biomaterials, Effects of Hydroxyapatite Nanoparticles in Mesenchymal Stem Cells – Investigation of Cytotoxicity and Genotoxicity
Huiying Chung

TGFβ1 / Affinity-bound Alginate Scaffold Enhances Chondrogenic Differentiation of Human Mesenchymal Stem Cells (HMSC)
Tali Re'em

Nanofibrous Surface Effect on Neuronal Differentiation of MSC's
Ismet Gurhan

The Effects of Hydrostatic Pressure on the Gene Expression in Smooth Muscle Cells Grown on Polymer Scaffolds
Hana Hanaee Ahvaz

Modification of Gelatin Structure with Cholesterol for Curcumin Delivery
Sorada Kanokpanont

5th World Congress of Preventive & Regenerative Medicine (WCPRM)

In vivo Evaluation of Carbon Nanotube Incorporated Poly (L-lactic acid) Aligned Nanofibrous Scaffold for Peripheral Nerve Regeneration
Mahboubeh Kabiri

Influence of Nickel Ions on Human Multipotent Mesenchymal Stromal Cells
Tim Habijan

New Sample Preparation Methods for Soft Tissue, Hard Tissue and Biomaterials
Fabian Will

Evaluation of In Situ-Forming Chitosan/Starch Hydrogel for Retaining Chondrocyte Function: In vivo Study
Jarupa Viyoch

Suppressed Cascular Calcification in the Porcine Acellular Bioscaffolds Prepared by Ultra High Pressure Treatment
Tetsuji Yamaoka

Convention Center (CC), Room 3 A:

Session 3: Translational Regenerative Medicine – Requirements and Innovation – Keynotes

Moderation: Linda Powers, Alex Zhavronkov

15:30–15:45 **EU Research Agenda on Regenerative Medicine**
Prof. Dr. Arnd Hoeveler, Head of Unit "Biotechnology for Health", European Commission (DG Research), Brussels, Belgium

15:45–16:00 **Analytical Standardization (GLP)**
Arnold Raem, Arrows Biomaterials Deutschland GmbH, Muenster, Germany

16:00–16:15 **Translational Medicine – From Bench to Bed**
Rita Dobbmeyer, Galenus – G.H. AG, Basel, Switzerland

16:15–16:30 **Good Clinical Practice (GCP)**
Uwe Breyer, Galenus – G.H. AG, Basel, Switzerland

16:30–16:45 **Diabetic Foot – Incidence and Current Treatment, Potential for Innovation**
Gernot-Rainer Storm, Diabetologische Gemeinschaftspraxis, Lehrte, Germany

Mittwoch/ Wednesday, 06.10.2010

Convention Center (CC), Room 2:

Session 5: Bone and Cartilage Regeneration (Orthopedics, Trauma and Maxillofacial Surgery) – Keynotes

Moderation: Jörg Wiltfang, René van Weeren

08:30–08:50 **Stem Cell Based Augmentation of the Jaws**
Jörg Wiltfang, Universitätsklinikum Schleswig-Holstein, Campus Kiel, Kiel, Germany

08:50–09:10 **Potential of Endogenous Regenerative Technology for in situ Regenerative Medicine**
Gorka Orive, IMASD, Vitoria, Spain

09:10–09:30 **A Zonal Approach to Articular Cartilage Repair**
René van Weeren, Utrecht University, Utrecht, The Netherlands

Session 5: Bone and Cartilage Regeneration (Orthopedics, Trauma and Maxillofacial Surgery) – Short Communications

Moderation: Jörg Wiltfang, René van Weeren

Medical Biotechnology

5th World Congress of Preventive & Regenerative Medicine (WCPRM)

- 09:30–10:30 **Use of Adipose Tissue-derived Mesenchymal Stem Cells for Experimental Tendinitis Therapy in Equines**
Armando de Mattos Carvalho
- Scaffold-free Cartilage Tissue by Mechanical Stress Loading for Tissue Engineering**
Stephanie Yin Wai Ting
- Regeneration of Joint Cartilage Achieved with Madu Treatment in Patients with Degenerative Diseases of Joints**
Dusanka Mandic
- Cartilage Regeneration in Patients with Rheumatoid Arthritis**
Jelena Popovic
- The Synergistic Effects of Lysophosphatidic Acid Receptor Agonists and Calcitriol on MG63 Osteoblast Maturation at Titanium and Hydroxyapatite Surfaces**
Maryam A. Nowghani
- Biomaterials – Nano-Organised Silica Material with Improved Bioactivity**
Aránzazu Diaz-Cuenca
- Separation and Characterization of Osteoprogenitors from the Entire Periosteum-derived Tissue**
Marcus Olbrich

Convention Center (CC), Room 3 A:

Session 4: Ontogenesis, Neurogenesis, Neural Repair, Spinal Cord Injury/Genetics, Epigenetics, Engineering – Keynotes

- Moderation: Michael Brand, Lukas Sommer
- 09:00–09:20 **Regeneration of the Adult Zebrafish Brain: Towards Endogenous Stem Cell based Repair in a Vertebrate Brain**
Michael Brand, Technische Universität Dresden, Dresden, Germany
- 09:20–09:40 **Multipotent Neural Crest Stem Cells in Development and Disease**
Lukas Sommer, University of Zurich, Zurich, Switzerland

Session 4: Ontogenesis, Neurogenesis, Neural Repair, Spinal Cord Injury/Genetics, Epigenetics, Engineering – Short Communications

- Moderation: Michael Brand, Lukas Sommer
- 09:40–10:30 **Neutral Differentiation of Mouse Embryonic Stem Cells Seeded on Nanofibrous CNT-incorporated Scaffolds**
Mahboubeh Kabiri
- Long Term Bone Regeneration by Engineered Mesenchymal Stem Cells**
Sophia Chia-Ning Chang
- Spinal Cord Regeneration – Injectable Hydrogel-based Formulations for Spinal Cord Regeneration**
Anne des Rieux
- Nasal Septum Derived Progenitors: Isolation, Characterization and Multi-lineage Differentiation Potential**
Shafiee Abbas
- 10:30–11:00 **Coffee Break (Foyer Area Convention Center)**

Medical Biotechnology

5th World Congress of Preventive & Regenerative Medicine (WCPRM)

Convention Center (CC), Room 2:

Session 5: Bioartificial Organs – ESAO Meeting – Keynotes

- Moderation: Bart Meyns, Birgit Glasmacher
- 11:00–11:15 **Upcoming Challenges of Mechanical Support in Chronic Heart Failure**
Bart Meyns, Gasthuisberg University Hospital, Leuven, Belgium
- 11:15–11:30 **Cell based or Cell free Nano Scaffolds for Cardiovascular Regeneration**
Beat Walpoth, HUG University Hospital, Geneva, Switzerland
- 11:30–11:45 **Requirements for the Treatment of Uremic Patients with the Artificial Kidney**
Jörg Vienken, Fresenius Medical Care GmbH, Bad Homburg, Germany
- 11:45–12:00 **Nanostructured Biomaterials – a Successful Way for Extracorporeal Adsorption Therapy in Sepsis and Liver Failure**
Dieter Falkenhagen, Donau-Universität Krems, Krems, Austria
- 12:00–12:15 **Scaffolds, Tracer and Depots for Engineering and Bioprinting of Tissues**
Birgit Glasmacher, Leibniz Universität Hannover, Hannover, Germany
- 12:15–12:30 **PANEL DISCUSSION WITH THE ESAO BOARD**

Convention Center (CC), Room 3 A:

Session 6: Novel Technologies and Models – Keynotes

- Moderation: Henry Su, Eckard Wolf
- 11:00–11:20 **Long Life Platelet Technologies**
Henry C.Y. Su, National Yang-Ming University, Taipei, Taiwan
- 11:20–11:40 **Transgenic Large Animal Models for Regenerative Medicine**
Eckard Wolf, Ludwig-Maximilians Universität München, Munich, Germany

Session 6: Novel Technologies and Models – Short Communications

- Moderation: Henry Su, Eckard Wolf
- 11:40–13:00 **Synergetic Effects of Rotational Culture and BMP2 Stimulation on Scaffold-free Cartilage Formation**
Katsuko Furukawa
- Successful Closure of Fetal Membrane Defects Using Manufactured, Decellularized Human Amnion Membrane after Fetoscopy in the Midgestational Rabbit Model**
Nikolaos Papadopoulos
- Endocultivation: 3D Printed Customized Porous Scaffolds for Heterotopic Bone Induction**
Stephan Becker
- Periadventitial Wrap Releasing Sirolimus Prevented Intimal Hyperplasia in a Rabbit Model**
Elena Filova
- Veterinary Requirements for Stem Cell Therapy Studies of Efficacy Procedures to Assure Stem Cells Vitality During Cryopreservation and Shipment**
Tiziana Martinello
- In-vivo Vascularisation of Fibre-based Scaffolds Biofunctionalised with Adult Mesenchymal Stem Cells**
Timo Hammer
- Microvesicles from Mesenchymal Stem Cells Protect against Acute Kidney Injury and Improve Survival**
Stefania Bruno

Medical Biotechnology

5th World Congress of Preventive & Regenerative Medicine (WCPRM)

12:30–14:00 Lunch / Poster Viewing (Hall 9)

Convention Center (CC), Room 2:

Session 7: Rejuvenation Biotechnologies: Applying Regenerative Medicine to Aging – Keynotes

Moderation: Aubrey de Grey, Rita Dobmeyer

14:30–15:00 **Applying of Regenerative Medicine to Aging: Many Targets and Techniques, Unprecedented Impact (Presidential Keynote)**

Aubrey de Grey, Methuselah Foundation, Cambridge, United Kingdom

15:00–15:30 **Prevention in Pharmacotherapy**

Jürgen Frölich, Medizinische Hochschule Hannover (MHH), Fraunhofer Institut ITEM, Hannover, Germany

15:30–16:00 **DANI (Dynamic Antaging Nutritional Intervention): a Novel Hormetic Strategy for Antiaging Intervention and Rejuvenation**

Ettore Bergamini, University of Pisa, Pisa, Italy

16:00–16:30 **Advanced Lipoxidation and Glycoxidation in Aging: Therapeutic Prospects for the Inhibitors**

Cimen Karasu, Gazi University, Ankara, Turkey

16:30–17:00 **The Role Exercise Plays in Prevention and Therapy of Cardiovascular Diseases**

Martin Halle, Technische Universität München, Klinikum rechts der Isar, Munich, Germany

Session 7: Rejuvenation Biotechnologies: Applying Regenerative Medicine to Aging – Short Communications

Moderation: Aubrey de Grey, Rita Dobmeyer

17:00–17:30 **Oxidative Stress, Apoptosis and Aging**

Nihat Dilsiz

Anti-Aging Medicine – The Lymphatic System and Postural Stress. New Strategy of Anti-Aging Medicine

Olga Safonicheva

Donnerstag/Thursday, 07.10.2010

Convention Center (CC), Room 2:

Session 9: Scaffolds & Differentiation – Keynotes

Moderation: Loredana de Bartolo, Axel Neffe

09:00–09:20 **Polymeric Membranes for Guiding Neuronal Regeneration**

Loredana De Bartolo, National Research Council of Italy, ITM-CNR, Rende, Italy

09:20–09:40 **Fishing for Stem Cells – New Ways for Generating in Vivo Self-Endothelializing Surfaces for Blood Contacting Implant**

Hans -Peter Wendel, Universitätsklinikum Tübingen, Tübingen, Germany

09:40–10:00 **Biomaterials for Regenerative Therapies**

Axel Neffe, GKSS-Forschungszentrum Geesthacht GmbH, Teltow, Germany

Session 9: Scaffolds & Differentiation – Short Communications

Moderation: Loredana de Bartolo, Axel Neffe

10:00–10:30 **Functional Differentiation and Expansion of Rat Embryonic Liver Cells on Biodegradable and Synthetic Membranes**

Carla Campana

Medical Biotechnology

5th World Congress of Preventive & Regenerative Medicine (WCPRM)

Non Invasive Observation of the Ultrastructure and the Mechanical Properties in hMSCS by Acoustic Microscopy

Cornelia Hildebrandt

Novel Cell Technologies for Stem Cells

Tobias May

The Effects of Nano Scale on Satellite Cells Proliferation and Differentiation Potential

Symzar Hosseinzadeh

Superporous Poly(ethylene glycol) Diacrylate Scaffolds Support Differentiation of Human Mesenchymal Stem Cells

Melanie Köllmer

Combination of Chitosan Tubular Bioprosthesis and Fetal Oesophagus Graft for Oesophagus Plasty (Early Observations)

Very Coulic

Convention Center (CC), Room 3 A:

Session 8: Regulatory Affairs – Keynotes

Moderation: Ian Rees, Ralf Sanzenbacher

09:00–09:25 **European Regulatory Policy in Regenerative Therapies**

Ian Rees, Medicines and Healthcare Products, Regulatory Agency, London, United Kingdom

09:25–09:40 **Regenerative Therapies: Current Challenges and Regulatory Requirements from a Member's State Point of View**

Ralf Sanzenbacher, Paul-Ehrlich-Institut, Federal Institute for Vaccines and Biomedicines, Langen, Germany

09:40–09:55 **Manufacturing Excellence in GMP and Biotechnology**

David Estape, M+W Process Industries GmbH, Stuttgart, Germany

Session 8: Regulatory Affairs – Short Communications

Moderation: Ian Rees, Ralf Sanzenbacher

09:55–10:30 **Principles of Cleanroom Technology – Why Cleanroom Technology Is Crucial for Regenerative Medicine**

Peter Novak

GMP Requirements and Regulatory Affairs From A Practitioner's Perspective

Carsten Schewe

10:30–11:00 **Coffee Break (Foyer Area Convention Center)**

Convention Center (CC), Room 2:

Session 10: Stem Cells: From Bench to Therapy – Keynotes

Moderation: Paolo Macchiarini, Herwig Gutzeit

11:00–11:20 **Iterative Process of Stem Cell Product Development for Therapy**

Ralf Huss, Roche Diagnostic GmbH, Prenzberg, Germany

11:20–11:40 **Airway Tissue Engineered Replacement and Cell Therapy**

Paolo Macchiarini, University of Florence, Florence, Italy

11:40–12:00 **Biology of Gonial Stem Cells in Fish**

Herwig Gutzeit, Technische Universität Dresden, Dresden, Germany

5th World Congress of Preventive & Regenerative Medicine (WCPRM)

Session 10: Stem Cells: From Bench to Therapy – Short Communications

Moderation:	Paolo Macchiarini, Herwig Gutzzeit
12:00–13:15	Tissue Regeneration in Madu-treated Patients with Arterial Disease of the Lower Extremities Slobodan Kazic Variability in MSC Surface Markers Expression Depending on Umbilical Cord Sample and Amount of Ex vivo Passages Olena Deryabina Asymptomatic Bacterial Biofilm Communities on Rhythm Management Devices Differ Considerably from Virulent Ones Wolf-Rainer Abraham Histological Evaluation of Urothelial Adhesion Cells from Rabbit Bladder in Heterologous Acellular Matrix as Scaffold for Implantation in Rabbit Urethra Priscilla Murador Optimal Materials for Urological Tissue Engineering Katrin Montzka Evaluation of the CellTiter-Blue Assay for Cell Growth Analysis of Human Embryonic Stem Cells During Cultivation Eva Woenne
13:15–13:30	Closing Ceremony

bone-tec 2010 – International Bone-Tissue-Engineering Congress Convention Center (CC), Saal/room 3 07.10.2010–10.10.2010

Der Kongress bone-tec 2010 gilt in Fachkreisen als der führende Kongress zur Knochenregeneration in der Welt. Dies kommt auch dadurch zum Ausdruck, dass das gesamte Editorial Board des International Tissue Engineering Journals in diesem Jahr auf dem bone-tec Kongress zu Gast sein wird und in einem Round Table zusammen mit dem wissenschaftlichen Board von bone-tec und einigen eingeladenen Wissenschaftlern von Rebirth (MHH) über die Notwendigkeit der internationalen Vernetzung der Forschungszentren diskutieren wird. Wie in den vergangenen Jahren werden führende Wissenschaftler aus allen Kontinenten in Hannover ihre neusten Ergebnisse präsentieren. Ein besonderes Augenmerk der Kongressveranstalter gilt der Förderung der Nachwuchswissenschaftler. Die beiden von der Jury als beste Young Scientists ausgezeichneten werden mit Stipendien prämiert werden, die ihnen die Möglichkeit einräumen einige Monate zu Gast bei einem der führenden Wissenschaftler der Welt zu sein. Darüber hinaus werden der jeweils beste Vortrag und das beste Poster mit nennenswerten Preisen dotiert.

This congress joins leading scientists from all over the world in modern bone regeneration, including cartilage, tendons and ligaments. Latest and progressive research results will be presented. Established research teams will report on their work. In addition the congress should initiate cooperation, expand networks and create the planning of future projects.

bone-tec 2010 would like to honour outstanding young scientists who have presented orally or in poster during the congress. The award will entitle young scientists to be hosted by our keynote speakers for training/research and teaching within their institutes/laboratories/clinics. The place of internship will be offered in direct relevance to the scientist's research interest and that of the hosting institute/laboratory/clinic.

Veranstalter/ Institute INDENTE
Organizer Ellernstr. 23
D-30175 Hannover

bone-tec 2010 – International Bone-Tissue-Engineering Congress

Donnerstag/ Thursday, 07.10.2010, 14:00–20:00 Uhr/hrs

Convention Center (CC), Saal/room 3:

14:00–14:15	Welcoming Address Dr. Karl-Heinz Schuckert, Congress Chair
SYMPOSIUM 1: Physical Stimuli Can Enhance BMP Activities	
Moderation:	Prof. h.c. PD Dr. Franz E. Weber
14:15–15:00	Physical Stimuli Can Enhance BMP Activities Prof. h.c. PD Dr. Franz E. Weber, University Hospital Zurich, Dept. Cranio-Maxillofacial Surgery, Switzerland
SYMPOSIUM 2: Tissue Engineering and Beyond: Embedding Osteogenic Molecular Signals into 'Smart' Biomimetic Matrices Initiating Bone: Formation by Autoinduction	
Moderation:	Prof. Dr. Ugo Ripamonti
15:00–15:20	Tissue Engineering and Beyond: The Spontaneous Induction of Bone Formation by Macroporous Self-Inducing Biomimetic Matrices Prof. Dr. Ugo Ripamonti, University of the Witwatersrand, Bone Research Unit MRC, Johannesburg, South Africa
15:20–15:40	Self-Inducing Biomimetic Matrices and Prefabricated Osteogenic Protein-1/Coral-derived Biomimetic Implants as Vascularized Pedicled Flaps for Craniomandibulofacial Tissue Engineering in Human Patients Dr. Carlo Ferretti, University of the Witwatersrand, Bone Research Unit, Johannesburg, South Africa
15:40–16:00	Topographical Macroporous Surface Modifications by Osteoclastogenesis Initiate the Spontaneous Induction of Bone Formation by Calcium Phosphate-based Biomimetic Matrices Prof. Dr. Ugo Ripamonti, University of the Witwatersrand, Bone Research Unit MRC, Johannesburg, South Africa
16:00–16:30	Coffee Break
Convention Center (CC), Saal/room 3 A:	
Oral Presentations: Bone Regeneration I (concurrent sessions)	
Moderation:	Prof. Dr. Ashraf Ayoub; Prof. Dr. Hae-Ryong Song
16:30–16:45	Human Osteoblasts and Their Progenitors: Discovery of New Molecular Targets and Support Biomaterials for Bone Tissue Regeneration Mrs. Roberta Piva, Mrs. Roberta Piva, University of Ferrara, Dept. of Biochemistry and Molecular Biology, Italy
16:45–17:00	Tetracyclines as Biomodulators in Bone Tissue Regeneration Mr. Pedro Gomes, University of Porto, Faculty of Dental Medicine, Laboratory of Pharmacology and Cellular Biocompatibility, Portugal
17:00–17:15	Bone Regeneration after Implantation of Nanoparticulate Hydroxyapatite and Collagen Type-1 in Osteoporotic Goats Mrs. Katrin S. Lips, University of Giessen, Dept. of Trauma Surgery, Germany
17:15–17:30	Polychrome Sequence Labeling for the Investigation of Bone Remodeling Activity of Different Magnesium Alloys Mrs. Janin Reifenrath, University of Veterinary Medicine Hannover, Small Animal Clinic, Germany

Medical Biotechnology

bone-tec 2010 – International Bone-Tissue-Engineering Congress

- 17:30–17:45 **Evaluation of Degradation Behaviour and Biocompatibility of the Magnesium Alloy Zek100 by Use of In-Vivo Micro Computed Tomography**
Mrs. Dina Rittershaus, University of Veterinary Medicine Hannover, Small Animal Clinic, Hannover, Germany
- 17:45–18:00 **Coffee Break / Poster Presentation**
- 18:00–18:15 **Repair of a Critical-Sized Cranial Defect with a Biodegradable PEG-Tetra-Norbornene Polymer Scaffold Encapsulating rhBMP-2**
Mr. Sven-Olrik Streubel, University of Colorado, The Children's Hospital Denver, Dept. of Otolaryngology, Aurora, Colorado, USA
- 18:15–18:30 **Interactions between Bone and Titanium New Insights into the Unique Marriage between Metal and Biology**
Mr. Axel Wirthmann, New York University, College of Dentistry, Dept. Implantology, USA
- 18:30–18:45 **Developing an Off-The-Shelf Tissue Engineering Strategy with Using Highly Angiogenic and Osteogenic Human Fetal Mesenchymal Stem Cells and a Biaxial Rotating Bioreactor**
Mr. Zhiyong Zhang, National University of Singapore, BIOMAT, Singapore
- 18:45–19:00 **Bone Regeneration in a Canine Cranial Defect Model Using Allogeneic Osteo-Differentiated Adipose Derived Stem Cells with in Vitro Immunosuppressive Property**
Mr. Lei Cui, Shanghai Jiao Tong University, School of Medicine, China
- 19:15 **Opening Ceremony – Poster Presentation, Greetings, Get Together**

Convention Center (CC), Saal/room 3 B:

Oral Presentations: Scaffolds and Matrices (concurrent sessions)

Moderation: Prof. Dr. Yasuhiko Tabata; Prof. Dr. Swee-Hin Teoh

- 16:30–16:45 **Tuning the Mechanical Properties of Bioreducible Multilayer Films for Improved Cell Adhesion and Transfection Activity**
Mrs. Jennifer Blacklock, Max Planck Institute, Dept. of Colloids and Interfaces, Berlin, Germany
- 16:45–17:00 **Reconstruction of Femoral Epiphysis with Two Different Types of Scaffolds: Preliminary Results**
Mr. Nicolandrea Del Piccolo, University of Bologna, Rizzoli Orthopaedic Institute, Orthopaedic and Traumatologic Surgery Clinic I, Italy
- 17:00–17:15 **Comparison of Six Bone-Graft Substitutes: Efficiency, Metabolism and Growth Behaviour of Human Mesenchymal Stem Cells in Vitro**
Mr. Johannes Frank, Wolfgang Goethe University, Frankfurt am Main, Dept. of Trauma, Hand, & Reconstructive Surgery, Germany
- 17:15–17:30 **A Novel Method for Controlling Pore Geometry, Size and Distribution in Engineered Scaffolds and Its Effects on Cell Attachment, Proliferation and Differentiation**
Mr. Alan Kop, Royal Perth Hospital, Dept. of Medical Engineering and Physics, Perth, Australia
- 17:30–17:45 **Magnetic Biomimetic Scaffold for a Controlled Spatial Distribution of Cells Saturated with Magnetic Nanoparticles**
Mr. Alessandro Russo, University of Bologna, Rizzoli Orthopaedic Institute, Italy
- 17:45–18:00 **Coffee Break / Poster Presentation**
- 18:00–18:15 **Implantation of a Novel Synthetic, Biodegradable Scaffold for Meniscus Tissue Regeneration**
Mr. Peter Verdonk, Ghent University Hospital, Belgium
- 18:15–18:30 **Osteogenic Differentiation of Primary Stem Cells with BMP-2 in a Rotating Bed Reactor**
Mrs. Stefanei Böhm, Leibniz University Hannover, Institute of Technical Chemistry, Germany

Medical Biotechnology

bone-tec 2010 – International Bone-Tissue-Engineering Congress

- 18:30–18:45 **Characterization of Native Salmon Collagen for Application in Bone Tissue Regeneration**
Mrs. Ines Stachel, Research Institute for Leather and Plastic Sheeting (FLK), Freiburg, Germany
- 18:45–19:00 **The Effect of Surface Biomimetic Apatite Nanostructure of Chitosan/Nano-hydroxyapatite Scaffold on Protein Adsorption and Osteogenic Differentiation of Rat Bone Marrow Stem Cells**
Mr. Guancong Wang, Shandong University, State Key Lab of Crystal Material, Jinan, China
- 19:00–19:15 **In Vitro Biomimetic Mineralization of Native Three-Dimensional Collagen Framework for Bone Tissue Engineering Scaffold**
Mr. Hongshi Zhao, Shandong University, Jinan, China
- 19:15–20:00 **Opening Ceremony – Poster Presentation, Greetings, Get Together**

Freitag/ Friday, 08.10.2010, 09:00–19:15 Uhr/hrs

Convention Center (CC), Saal/room 3:

Special Presentations

- 09:00–09:30 **The Induction of Bone Formation by the Mammalian Transforming Growth Factor- β Proteins: Apparent Redundancy and Biological Activities; Craniomandibulofacial Reconstruction in Non-Human Primates *Papio Ursinus***
Prof. Dr. Ugo Ripamonti, University of the Witwatersrand, Bone Research Unit MRC, Johannesburg, South Africa; Dr. Carlo Ferretti, University of the Witwatersrand, Bone Research Unit, Johannesburg, South Africa
- 09:30–09:45 **High Resolution CT for 3D-Analysis of Biomedical Materials**
Mr. Frank Sieker, GE Sensing & Inspection Technologies, Wunstorf, Germany

Coffee Break / Poster Presentation

Main Programme

- 10:00–10:30 **Tissue Engineering of Equine Matrix-Associated Allogeneous Chondrocyte Transplants (MACT) – an In Vitro Study**
Prof. Dr. Walter Brehm, University of Leipzig, Faculty of Veterinary Medicine, Large Animal Clinic for Surgery, Germany
- 10:30–11:00 **Stem Cells, Growth Factors and Natural Biomaterials for Bone Engineering**
Prof. Dr. Martijn van Griensven, Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Austrian Cluster for Tissue Regeneration, Vienna, Austria
- 11:00–11:30 **Bone Material Quality in Osteoporosis and in Bone Regeneration**
Prof. Dr. Peter Fratzl, Max Planck Institute of Colloids and Interfaces, Dept. of Biomaterials, Potsdam, Germany
- 11:30–12:00 **Coffee Break / Poster Presentation**
- 12:00–12:30 **Cell Culture Studies on Polymers for Bone Tissue Engineering**
Prof. Dr. C. James Kirkpatrick, University Medical Center Johannes Gutenberg University, REPAIR-lab, Institute of Pathology, Mainz, Germany
- 12:30–13:00 **Quality Management in Bone Tissue Engineering – How to Prove New Bone Growth**
Dr. Karl-Heinz Schuckert, Institute Indente, Hannover, Germany
- 13:00–14:00 **Lunch / Poster Presentation**
- 14:00–14:30 **First Results Using Concentrated Mesenchymal Stem Cells to Reconstruct Bone Defects**
Dr. Ulf-Joachim Gerlach, BUK Hamburg, Dept. of Septic Bone and Joint Surgery, Hamburg, Germany

Medical Biotechnology

bone-tec 2010 – International Bone-Tissue-Engineering Congress

- 14:30–15:00 **Complex Tissue**
Prof. Dr. Clemens A. van Blitterswijk, University Twente, Faculty of Science and Technology, MIRA, The Netherlands
- 15:00–15:30 **Advances in Long Bone Tissue Engineering**
Prof. Dr. Hae-Ryong Song, Korea University, College of Medicine, Dept. of Orthopaedic Surgery, Seoul, Korea
- 15:30–16:00 **Coffee Break / Poster Presentation**
- 16:00–16:30 **Tissue Engineering Technology for Biosignaling Molecules in Bone Regeneration**
Prof. Dr. Yasuhiko Tabata, Kyoto University, Institute for Frontier Medical Sciences, Field of Tissue Engineering, Dept. of Biomaterials, Japan
- 16:30–17:00 **Bone Regeneration Procedures for Predictable Function and Aesthetics in Oral Implantology**
Prof. Dr. Gintaras Juodzbalys, Kaunas University of Medicine, Dept. of Maxillofacial Surgery, Lithuania
- 17:00–17:15 **Coffee Break / Poster Presentation**

Convention Center (CC), Saal/room 15/16:

Oral Presentations: Other Topics (concurrent sessions)

- Moderation: Dr. Elizabeth Rosado Balmayor; Prof. Dr. John A. Jansen
- 17:15–17:30 **Differential Release of Human Soluble Receptors and Related Proteins in Mineralizing Versus Non-Mineralizing Jaw Periosteal Cells**
Mrs. Dorothea Alexander, University Hospital Tübingen, Germany
- 17:30–17:45 **One- and Two-Step Seeding Protocols of Porcine Chondrocytes on a Three-Dimensional β -Tricalciumphosphate Matrix**
Mr. Gregor Hauschild, Small Animal Clinic Menzel, Recklinghausen, Department of Orthopedics and Tumor Orthopedics, University Hospital Muenster, Germany
- 17:45–18:00 **Primary Stability of an Osteochondral Autograft Stabilized with a Resorbable Osteoconductive Bone Cement**
Mr. Marc-Oliver Kiss, University of Montreal, Imaging and Orthopedic Research Laboratory (LIO), Canada
- 18:00–18:15 **Bone Engineering with Dental Pulp Mesenchymal Stem Cells (DPMSC): Laser Assisted Differentiation to Osteoblasts**
Mr. Vinicius Marchiori-Silva, University of São Paulo, IPEN Nuclear and Energetic Research Institute, Brazil
- 18:15–18:30 **Availing Bone Morphogenetic Protein: Expressing Recombinant Human BMP-2 as Codon Optimized Cassettes in Transgenic Rice**
Mr. George Styles, University of Ottawa, Biochemistry, Microbiology and Immunology Dept., Canada
- 18:30–18:45 **Assessment of Stimulated Collagen Synthesis and Maturation in Osteoblast Cultures in Cell Sheets and on Scaffolds**
Mrs. Joanna Wójtowicz, Medical University of Warsaw, Poland
- 18:45–19:00 **Human Knee Meniscal Cells: Characterization of Their Primary Culture and Response to Biomimetic Surfaces in 2D and 3D Growth Environments**
Mrs. Guak-Kim Tan, The University of Queensland, AIBN Australian Institute for Bioengineering and Nanotechnology, Brisbane, Australia
- 19:00–19:15 **Injectable Scaffold with Sustained rhBMP-2 Delivery for Bone Regeneration**
Mrs. Asme Boussahel, University of Nottingham, Wolfson Centre for Stem Cells, Tissue Engineering and Modelling (STEM), UK

Medical Biotechnology

bone-tec 2010 – International Bone-Tissue-Engineering Congress

Convention Center (CC), Saal/room 3:

Oral Presentations: Bone Regeneration II (concurrent sessions)

- Moderation: Prof. Dr. Peter ten Dijke; Dr. Stefan Jopp
- 17:15–17:30 **Repair of Critical Bone Defect in a Rabbit Model by Autologous Adipose-Derived Stem Cells**
Mrs. Elena Arrigoni, University of Milan, Dept. of Medical Pharmacology, Italy
- 17:30–17:45 **Injectable Hybrid Hydrogels for Bone Regeneration**
Mrs. Matilde Bongio, Radboud University Nijmegen Medical Center, Dept. of Biomaterials, The Netherlands
- 17:45–18:00 **Effect of Strontium on Human Primary Bone Cells**
Mr. Julien Braux, CHU de Reims, INSERM UMR-S 926', France
- 18:00–18:15 **Role of Extracellular Calcium in Bone Tissue Regeneration through CaSR**
Mrs. Arlyng González Vázquez, The Institute for Bioengineering of Catalonia, Barcelona, Spain
- 18:15–18:30 **Biological Response of Human Osteoblasts to Ferritic Stainless Steel Surfaces**
Mrs. Vera N. Malheiro, University of Cambridge, Dept. of Engineering, UK
- 18:30–18:45 **Effects of Electron-Beam Irradiation to the Hydroxyapatite and Tricalcium Phosphate Mixtures for the Development of New Synthetic Bone Substitutes**
Mr. Jung M. Park, Seoul National University, College of Dentistry, Dept. of Oral and Maxillofacial Surgery, Korea
- 18:45–19:00 **Osteoblast Mechanical Stimulation by Converse Piezoelectric Effect**
Mrs. Joana Reis, University of Évora, Dept. of Veterinary Medicine, Portugal

Samstag/Saturday, 09.10.2010, 09:00–19:15 Uhr/hrs

Convention Center (CC), Saal/room 3:

- 09:00–09:30 **Shaping the Microenvironment of Umbilical Cord-derived Mesenchymal Stem Cell-like Cells for Bone Tissue Engineering**
Mrs. Ass. Prof. Dr. Cornelia Kasper, Leibniz University Hannover, Institute of Technical Chemistry, Germany
- 09:30–10:00 **Developing Strategies for Bone Regeneration to Remodelling**
Prof. Dr. Swee-Hin Teoh, National University of Singapore, Dept. of Mechanical Engineering, NUSTEP, BIOMAT, Singapore
- 10:00–10:30 **Silicate/Starch-Poly- ϵ -Caprolactone Microparticles with BMP-2 Induce Bone Regeneration**
Mrs. Dr. Elizabeth Rosado Balmayor, University of Minho, 3B's Research Group, Dept. of Polymer Engineering, Portugal
- 10:30–11:00 **Coffee Break / Poster Presentation**
- 11:00–11:30 **Success and Failures of BMP/TCP Scaffolding and Mesenchymal Stem Cells for Oro-Facial Reconstruction**
Prof. Dr. Ashraf Ayoub, Glasgow University, Biotechnology & Craniofacial Research Group, UK
- 11:30–12:00 **Bone Substitute (β -TCO) vs. Autologous Bone for Repair of Alveolar Clefts in Patients with Cleft of Lip, Alveolus and Palate (CLP)**
Dr. Ad P. de Ruiter, University Medical Centre, Dept. of Oral and Maxillofacial Surgery, Utrecht, The Netherlands
- 12:00–12:15 **Coffee Break / Poster Presentation**

Medical Biotechnology

bone-tec 2010 – International Bone-Tissue-Engineering Congress

12:15–12:45	The Bone Regenerative Effect of Platelet-Rich Plasma Prof. Dr. John A. Jansen, Raboud University Nijmegen Medical Center, Dept. of Biomaterials, The Netherlands
12:45–13:15	Changes in Bone Material with Aging and Diseases Prof. Dr. Mark Grynblas, University of Toronto, Bone and Mineral Group, Canada
13:15–14:00	Lunch / Poster Presentation
14:00–14:30	Hurdles in Tissue Engineering/Regenerative Medicine – Product Commercialization A Survey of North American Academia and Industry Prof. Peter C. Johnson, Scintellix, LLC, Raleigh NC, US
14:30–15:00	Controlling Osteoblast Differentiation and Bone Formation by BMP Prof. Dr. Peter ten Dijke, Leiden University Medical Center, Dept. Molecular Cell Biology, The Netherlands
15:00–15:30	Mimetic Biofabrication of Osteoinductive Nanomaterials for Repair of Craniofacial Defects Prof. Dr. Paul Gatenholm, Chalmers University of Technology, Biopolymer Technology, Dept. of Chemical and Biological Engineering, Göteborg, Sweden
15:30–15:45	Coffee Break / Poster Presentation
15:45–16:15	Advancing Biomaterial Strategies for Bone Tissue Engineering Prof. Dr. Antonios G. Mikos, Rice University, Dept. of Bioengineering, Houston, Texas, US
16:15–16:45	Comparative Study of BMPs and Delivery Strategies Prof. Dr. Ulf ME Wikesjö, Medical College of Georgia School of Dentistry, Laboratory for Applied Periodontal & Craniofacial Regeneration LAPCR, Augusta, US
16:45–17:00	Coffee Break / Poster Presentation
17:00–18:00	Oral Presentations of the 10 best Poster Contributions
20:00	Congress Dinner and Presentation of Awards

Sonntag/Sunday, 10.10.2010, 10:00–12:00 Uhr/hrs

Convention Center (CC), Saal/room 15/16:

10:00–12:00	Students Workshop Mrs. Dr. Elizabeth Rosado Balmayor
-------------	--

Medical Biotechnology

EAPB SIG: Regenerative Medicine Convention Center (CC), Saal/room 17 04.10.2010, 13:30–17:30 Uhr/hrs

Advanced Therapy Medicinal Products (ATMPs) – die neuen Therapie-Methoden sind von der Europäischen Behörde für Medizin (European Medicines Agency, EMA) in London streng reguliert, um Sicherheit, Wirksamkeit und gute Qualität zu gewährleisten.

Ziel ist eine gute Risiko-Abwägung, um den ganzen Entwicklungsprozess, Qualitäts- und Sicherheits-Risiken abzuschätzen. Hierbei geht es um die Möglichkeit der Entstehung von Tumoren, um die Stabilität des Genoms, sowie die Biodistribution: diese gilt es für Stammzell-basierte Produkte früh abzuklären. Um Rückschläge bei der Entwicklung zu vermeiden, ist eine frühe Kommunikation mit der Behörde von Vorteil.

Der "Scientific Advice" kann also ein hilfreiches, gutes Werkzeug sein, um sich im Dickicht von Richtlinien, Reflection Papers und Regularien sowie Erwartungen der Behörde zurechtzufinden.

Advanced Therapy Medicinal Products (ATMPs) are tightly regulated by the European Medicines Agency (EMA) with the intention to ensure the safety, efficacy as well as the good quality of the products.

A well defined risk evaluation in order to cover the whole development process and not only quality or safety risks should be set-up. For example, tumorigenicity, genome stability, biodistribution are now among the top issues during non-clinical and clinical development and need to be addressed for stem cell-based products early. A key point is hereby an efficient communication with the regulators as early as possible to avoid detours or even worst failures.

So the scientific advice became a very powerful tool to find the right way through the jungle of guidelines, reflection papers, regulations and the expectation of the regulators.

Veranstalter/
Organizer

European Association of Pharma Biotechnology (EAPB)
in Zusammenarbeit mit: Deutsche Messe

Sprache/
Language

Englisch/English

Teilnahme/
Participation

Participation fee (no VAT requested according to § 4.22 UStG).
50,00 EURO EAPB SIG Member
150,00 EUR Non-Member

Registration required via Deutsche Messe online at www.biotechnica.de/regenerative_medicine

Kontakt/
Contact

Dr. Marion Kronabel
Telefon: +49 6221 3893985
Fax: +49 6221 3893768
E-mail: marion.kronabel@eapb.org

Montag/Monday, 04.10.2010

13:30–13:45	Introduction: SIG Regenerative Medicine – targets Dr. Joachim Nöller, Translational Centre for Regenerative Medicine, Leipzig, Germany
13:45–14:30	Scientific Advice – essential for Small and Medium sized Enterprises and academia in Europe? Dr. Jens Reinhardt, Paul Ehrlich Institute, Langen, Germany
14:30–15:15	“Do’s and Don’ts during Scientific Advise” Dr. Gabriele Dallmann, Pharmatching GmbH, Freiburg, Germany
15:15–15:45	Coffee Break
15:45–16:30	Challenges in the Non-Clinical Development of Cell Based Therapies Dr. Monika Chabicovsky, MC Toxicology Consulting, Vienna, Austria
16:30–17:00	Questions and answers – open discussion, brainstorming about focus for next SIG meeting

Medical Biotechnology

EAPB SIG: Regulatory Aspects for Biopharmaceuticals

Convention Center (CC), Saal/room 18

04.10.2010, 13:30–17:30 Uhr/hrs

Biopharmazeutische Forschung und Entwicklung ist stark durch nationale und internationale Regularien beeinflusst, so dass die Entwickler und Hersteller von biopharmazeutischen Wirkstoffen sich mit den aktuellen Regularien hervorragend auskennen müssen.

Die regulatorischen Vorschriften wiederum müssen der wissenschaftlichen Realität Rechnung tragen. Dies ist ein Gleichgewicht, das am besten durch kontinuierlichen Austausch zwischen Industrie, Forschung und Behörde gewährleistet werden kann.

Ziel des Arbeitsgruppen ist es, die Experten aus Behörden, Industrie und Forschung zu einem weiteren Erfahrungsaustausch zusammenzuführen und die unterschiedlichen Standpunkte zu den Themen "Quality by Design" und "Subvisible Partikel" auszutauschen.

In contrast to many other sciences, the biopharmaceutical sciences are heavily impacted by national and international regulations so that developers and manufacturers of biopharmaceutical drug substances and drug products need profound knowledge of the current drug regulations in the field as well as of current regulatory opinions.

On the other hand, drug regulations must consider what is scientifically feasible and sensible. This balance is achieved the best by frequent exchanges between industry, academia and regulatory bodies.

The SIG Regulatory Aspects for Biopharmaceuticals wants to give this exchange room and targets at taking up current hot topics in presentations and discussion forums. The aim of this workshop is to bring together experts on regulation and experts from academia and industry in order to share experiences and discuss different opinions on two selected current hot topics: "Quality by Design" and "Subvisible Particles."

Veranstalter/
Organizer European Association of Pharma Biotechnology (EAPB)
in Zusammenarbeit mit: Deutsche Messe

Sprache/
Language Englisch/English

Teilnahme/
Participation Participation fee (no VAT requested according to § 4.22 UStG).
50,00 EURO EAPB SIG Member Regenerative Medicine
150,00 EUR Non-Member

Registration required via Deutsche Messe online at
www.biotechnica.de/regulatory_aspects_biopharmaceuticals

Kontakt/
Contact Dr. Marion Kronabel
Telefon: +49 6221 3893985
Fax: +49 6221 3893768
E-mail: marion.kronabel@eapb.org

Montag/Monday, 04.10.2010

13:30–13:45 **Introduction: SIG Regulatory Aspects in Biopharmaceutical Development and Manufacture**
Dr. Karoline Bechtold-Peters, Boehringer Ingelheim, Biberach

Topic 1: Practise of Quality by Design Approaches

13:45–14:30 **Targeted development of biosimilar pharmaceutical products**
Thomas Stangler, Sandoz Biopharmaceuticals, Kundl, Austria

14:30–15:15 **New Variation Regulation 1234/2008 – classification and procedures**
Maren von Fritschen, Pharmalex Berlin, Germany

15:15–15:30 **Coffee Break**

Medical Biotechnology

Topic 2: Aggregates and Particulate matter in Biopharmaceuticals

15:30–16:15 **The US perspective on aggregates and subvisible/visible particles – review from recent Breckenridge conference on aggregates and immunogenicity**
Karoline Bechtold-Peters, Boehringer Ingelheim, Biberach, Germany

16:15–17:00 **Immunogenicity of Therapeutic Proteins**
Brigitte Brake, Federal Institute for Drugs and Medical Devices (BfArM), Bonn, Germany

17:00–17:30 **Discussion**
Participants are encouraged to forward short case studies and questions which will be discussed within the SIG group

Life Science Spotlight 2010 – Stem Cells **Halle/hall 9, Stand/booth G61, (platform Innovation Forum)** **06.10.2010, 12:00–14:00 Uhr/hrs**

Die Life Science Research Unternehmen (LSR), die im Verband der Diagnostica Industrie organisiert sind, werden sich wieder auf der BIOTECHNICA 2010 präsentieren.

Die LSR Unternehmen sind Hersteller von Instrumenten und Reagenzien im Life-Science-Research-Bereich die sich zusammengeschlossen haben, um ihre Interessen gemeinsam zu vertreten. Sie verstehen sich als kompetente Gesprächspartner auf wissenschaftlicher, wirtschaftlicher, politischer und Anwenderebene. Eines der Ziele ist die Schaffung von Plattformen für den Austausch und die Diskussion forschungsrelevanter Themen auch unter Einbeziehung ethischer und rechtlicher Fragen.

All the Life Science Research companies (LSR) that are organized in the German Association of Diagnostics Industry will present themselves again at BIOTECHNICA 2010.

These LSR companies are manufacturers of instruments and reagents in the field of Life-Science Research. They have joined forces to present their common interests. They understand themselves as qualified conversational partners on an academic, economic, political and operational level. One of their goals is to create a communication platform for the exchange and discussion of research relevant topics, taking into account ethical and legal questions. They will stage a series of manufacturer-independent noontime lectures with a strong scientific focus. The very latest research topics will once again be presented by users, for users.

Veranstalter/
Organizer Fachabteilung Life Science Research im Verband der Diagnostica-Industrie e.V.
Neustädtische Kirchstr. 8
D-10117 Berlin

Sprache/
Language Deutsch/German or Englisch/English

Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messe Eintrittskarte.
Participation free of charge to BIOTECHNICA ticket holders.

Kontakt/
Contact Dr. Markus Herbort
Telefon: +49 151 180 12 485
E-mail: Markus.herbort@qiagen.com

Mittwoch/Wednesday, 06.10.2010

Stem Cells

Moderation: Melanie Steffens, Serva Electrophoresis GmbH

12:00–12:30 **Characterization of human testes biopsies and isolation of spermatogonial stem cells**
English Dr. Nina Kossack, Centrum für Reproduktionsmedizin und Andrologie, Universitätsklinik Münster

12:30–13:00 **Nabelschnurblut in der regenerativen Medizin**
Deutsch Dr. Verena Reimann, Institut für Transplantationsdiagnostik und Zelltherapeutika an der Universitätsklinik Düsseldorf

Medical Biotechnology

- 13:00–13:30 **Therapeutische Einsatzmöglichkeiten von Stammzellen des Fettgewebes**
Deutsch PD Dr. rer. nat. et med. habil. Kirsten Peters, Department of Cell Biology
Biomedical Research Center Rostock
- 13:30–14:00 **Stammzellen als aktiv integrierender Teil von Implantaten**
Deutsch Frau Anja Richter, Graduate School for Computing in Medicine and Life Sciences
(Exzellenzinitiative der DFG) der Universität zu Lübeck ausgeführt am Fraunhofer EMB in Lübeck

1st Molecular Diagnostics Europe Convention Center (CC), Saal/room Berlin, Saal Dresden/Room Dresden 04.10.2010–07.10.2010

For the first time BIOTECHNICA and Cambridge Healthtech Institute (CHI) are featuring an important life science conference.

Molecular diagnostic tools continue to drive biomedical research. Technological advances from next-generation sequencing, microarrays, quantitative PCR, microfluidics and POC enable speed, enhance sensitivity, and reduce costs. Cancer and infectious disease two diagnostic applications with widespread clinical impact are the main emphasis for Molecular Diagnostics Europe.

- Programs
- Moving Molecular Diagnostics from Bench to Bedside
 - NGS: The Ultimate for Molecular Diagnostics
 - Point-of-Care Diagnostics

Details for this conference: pages M21–M29

- Veranstalter/
Organizer Cambridge Healthtech Institute
250 First Avenue
USA–02494 Needham
- Sprache/
Language English
- Teilnahme/
Participation Participation fee incl. V.A.T. and entrance tickets to the fair
Attendance of TWO conferences:
1.745,00 EUR (Commercial)
805,00 EUR (Academic, Government, Hosp. Affiliated)
450,00 EUR (Student)
- Attendance of ONE conference:
1.245,00 EUR (Commercial)
625,00 EUR (Academic, Government, Hosp. Affiliated)
300,00 EUR (Student)
- Registration required via Cambridge Healthtech Institute's online at
www.MolecularDiagnosticsEU.com
- On-site Registration (4-7 October, 2010):
Convention Center (CC), Foyer Area 1, Registration desk.
- Kontakt/
Contact Jennifer Devine
Telefon: +1 781-972-5400
Fax: +1 781-972-5425
E-mail: reg@healthtech.com

Agrifood Biotechnology

Life Science Spotlight 2010 – Molecular Food Analysis Halle/hall 9, Stand/booth G61, (platform Innovation Forum)/ (platform Innovation Forum) 05.10.2010, 12:00–14:00 Uhr/hrs

Die Life Science Research Unternehmen (LSR), die im Verband der Diagnostica Industrie organisiert sind, werden sich wieder auf der BIOTECHNICA 2010 präsentieren.

Die LSR Unternehmen sind Hersteller von Instrumenten und Reagenzien im Life-Science-Research-Bereich die sich zusammengeschlossen haben, um ihre Interessen gemeinsam zu vertreten. Sie verstehen sich als kompetente Gesprächspartner auf wissenschaftlicher, wirtschaftlicher, politischer und Anwenderebene. Eines der Ziele ist die Schaffung von Plattformen für den Austausch und die Diskussion forschungsrelevanter Themen auch unter Einbeziehung ethischer und rechtlicher Fragen.

All the Life Science Research companies (LSR) that are organized in the German Association of Diagnostics Industry will present themselves again at BIOTECHNICA 2010.

These LSR companies are manufacturers of instruments and reagents in the field of Life-Science Research. They have joined forces to present their common interests. They understand themselves as qualified conversational partners on an academic, economic, political and operational level. One of their goals is to create a communication platform for the exchange and discussion of research relevant topics, taking into account ethical and legal questions. They will stage a series of manufacturer-independent noontime lectures with a strong scientific focus. The very latest research topics will once again be presented by users, for users.

- Veranstalter/
Organizer Fachabteilung Life Science Research im Verband der Diagnostica-Industrie e.V.
Neustädtische Kirchstr. 8
D–10117 Berlin

- Sprache/
Language Deutsch/German or Englisch/English

- Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messe Eintrittskarte.
Participation free of charge to BIOTECHNICA ticket holders.

- Kontakt/
Contact Dr. Markus Herbort
Telefon: +49 151 180 12 485
E-mail: Markus.herbort@qiagen.com

Dienstag/ Tuesday, 05.10.2010 Molecular Food Analysis

- Moderation: Hr Mittendorf, Thermo Fisher Scientific
- 12:00–12:24 **Analytik von Lebensmitteln mit massenspektrometrischen Methoden**
Deutsch Dr. Thorsten Bernsmann, Chemisches und Veterinäruntersuchungsamt Münsterland-Emscher-Lippe
- 12:24–12:48 **Food Authenticity Testing Using DNA Lab-on-a-Chip Capillary Electrophoresis**
English Steve Garrett, Campden BRI
- 12:48–13:12 **Mikrobiologische Lebensmittelsicherheit im Zeitalter der Globalisierung**
English Herr Dr. Matthias Kuhn, CONGEN Biotechnologie GmbH Berlin
- 13:12–13:36 **Mikrobiologische Untersuchungen mit Hybriscan im Dienstleistungslabor**
Deutsch Dr. Helmut Maucher, Becit GmbH
- 13:36–14:00 **Einsatz der Real-Time PCR in der Lebensmittelanalytik, Erfahrungen in der laufenden Routine**
Deutsch Dr. Daniel Dietrichs, Deutsches Institut für Lebensmitteltechnik e.V.

Agrifood Biotechnology

Biotechnological Innovation in Food Convention Center (CC), Saal/room Frankfurt 05.10.2010, 09:00–17:30 Uhr/hrs

Fortschritt in der Lebensmittelproduktion

Das Fachsymposium richtet sich an Entscheidungsträger aus allen Bereichen der Lebensmittelproduktion, die ihre Produktpalette mit innovativen Produkten zukunftsfähig machen und neue Wege einschlagen möchten. Es gilt allen Führungskräften, die verantwortlich sind für Zielkonzeption, Produktentwicklung, Qualitätsmanagement, Analytik oder Forschung & Entwicklung und Interessierte aus der Lebensmittelüberwachung. Für biotechnologisch arbeitende Unternehmen gibt das Fachsymposium einen Einblick in den Lebensmittelmarkt, dessen Möglichkeiten und Grenzen.

Veranstalter/
Organizer MicroMol GmbH
Hedwigstr. 2-8
D-76199 Karlsruhe

in Zusammenarbeit mit: Deutsche Messe

Sprache/
Language Deutsch/German

Teilnahme/
Participation Teilnahmegebühr inkl. Seminarunterlagen, Teilnahmezertifikat, Pausenverpflegung und
Messe Eintrittskarte
Lebensmittelindustrie EUR 350,00 (zzgl. gesetzl. MwSt.)
Universität/Hochschule/Behörde EUR 250,00 (zzgl. gesetzl. MwSt.)
Student EUR 80,00 (zzgl. gesetzl. MwSt.).

Anmeldung erforderlich per Fax unter:
Deutsche Messe
Kongressmanagement
Fax: +49 511 89 30998

Kontakt/
Contact Dr. Andrea B. Dreusch
Telefon: +49(0)721 9415213
Fax: +49(0)721 9415214
E-mail: info@micromol.com

Dienstag/ Tuesday, 05.10.2010

09:00–09:30 **Registrierung**

09:30–09:45 **Eröffnung durch den Chairman**
Prof. Dr. Klaus-Dieter Jany, Vorsitzender CEF-Panel EFSA

LECTURE "NEUE PRODUKTE MIT BIOTECH"

09:45–10:45 **Probiotik/Praebiotik**
Dr. Michael DeVrese, Institut für Physiologie und Biochemie der Ernährung, Max Rubner-Institut, Karlsruhe

10:45–11:15 **Kaffeepause**

11:15–12:00 **Biotechnologische Methoden für haltbare und sichere Lebensmittel – Chancen und Grenzen**
Dr. Dieter Elsser-Gravesen, ISI Food-Protection ApS, Arhus, Dänemark

12:00–13:00 **Enzymtechnologie – neue Wege zu besseren Lebensmitteln**
Prof. Dr. Holger Zorn, Institut für Lebensmittelchemie und Lebensmittelbiotechnologie, Justus-Liebig-Universität Gießen

13:00–15:00 **Mittagspause und Gelegenheit zum Besuch der Messe**

Agrifood Biotechnology

LECTURE "GESETZLICHE AUFLAGEN UND SICHERHEIT"

15:00–15:45 **Europäische Gesetzgebung: Fortschrittsbehinderung für die Lebensmittelproduktion?**
Prof. Dr. Klaus-Dieter Jany, Vorsitzender CEF-Panel EFSA

15:45–16:00 **Kaffeepause**

16:00–16:45 **Aromen, Enzyme und Zusatzstoffe: Gesetzliche Auflagen und Kennzeichnungsvorschriften**
Prof. Dr. Moritz Hagenmeyer, Kanzlei Krohn Rechtsanwälte, Lehrbeauftragter Lebensmittelrecht an den Universitäten HH und H

16:45–17:30 **Sicherheit von Lebensmitteln aus gentechnisch veränderten Organismen**
Dr. Marianna Schauzu, Kommission für genetisch veränderte Lebensund Futtermittel, BfR

Bioaktive Inhaltsstoffe für funktionelle Lebensmittel Bioactive Ingredients for functional Foods Convention Center (CC), Saal/room Heidelberg 06.10.2010, 14:00–17:00 Uhr/hrs

Netzwerk Lebensmittel – Vom hochwertigen Rohstoff zur gesunden Ernährung

Das Netzwerk Lebensmittel ist ein gemeinsames Vorhaben von niedersächsischen Forschungseinrichtungen mit dem Ziel, hochwertige bioaktive Inhaltsstoffe für die Herstellung funktioneller Lebensmittel zu erhalten. Es beginnt mit der Gewinnung der Inhaltsstoffe aus heimischen Rohstoffen und verläuft entlang der Nahrungskette bis zur Herstellung qualitativ hochwertiger Lebensmittelprodukte. Damit wird zur Sicherung der Wettbewerbsfähigkeit der niedersächsischen Lebensmittelindustrie durch Neuorientierung an dem Trend zu Lebensmitteln mit gesundheitlichem Zusatznutzen beigetragen.

Food network – From high-quality raw material to health nutrition

The food network is a joint project of research institutes from Lower Saxony aiming to obtain bioactive ingredients of high quality for the production of functional foods. Starting with the production of ingredients from domestic raw materials, the project proceeds along the food chain up to the manufacture of high-quality healthy food products. Thus, the competitiveness of the Lower Saxony's food industry is ensured by new orientation towards the tendency of food with a health added benefit.

Veranstalter/
Organizer Forschungsverbund Agrar- und Ernährungswissenschaften Niedersachsen (FAEN)

Sprache/
Language Deutsch/German

Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messe Eintrittskarte. Aus organisatorischen Gründen bitten wir Sie, uns ihre Teilnahme mitzuteilen.
Registrierung online unter www.verbundprojekt1-faen.de

Kontakt/
Contact Elke Schöne
Telefon: +49 5431 183-229
Fax: +49 5431 183-200
E-mail: e.schone@dil-ev.de

Mittwoch/ Wednesday, 06.10.2010

14:00–14:10 **Das Netzwerk Lebensmittel in Niedersachsen**
Dr.-Ing. Volker Heinz, Deutsches Institut für Lebensmitteltechnik e.V., Quakenbrück

14:10–14:30 **Hochwertige Proteine und Peptide aus Kartoffelfruchtwasser**
Isabelle Schönbeck, Institut für Technische Chemie, Gottfried Wilhelm Leibniz Universität Hannover

Agrifood Biotechnology

- 14:30–14:50 **Anthocyane aus farbfleischigen Kartoffeln – Farbstoffe und Antioxidantien**
Dr. Silke Hillebrand, Institut für Lebensmittelchemie, Technische Universität Carolo-Wilhelmina zu Braunschweig
- 14:50–15:10 **Hochwertige Oligosaccharide für Ernährung und Pharmazie**
Prof. Dr. Hans-Joachim Jördening, Lehrstuhl für Technologie der Kohlenhydrate. Technische Universität Carolo-Wilhelmina zu Braunschweig
- 15:10–15:40 **Pause**
- 15:40–16:00 **Bioaktive Wirkprinzipien aus niedersächsischen Speisepilzen**
Prof. Dr. Dr. R. G. Berger, Institut für Lebensmittelchemie, Gottfried Wilhelm Leibniz Universität Hannover
- 16:00–16:20 **Planung und Durchführung von Humanstudien für die Zulassung von "Health Claims"**
Prof. Dr. Andreas Hahn, Institut für Lebensmittelwissenschaft und Humanernährung, Gottfried Wilhelm Leibniz Universität Hannover
- 16:20–16:40 **Zusätzliche Wertschöpfung durch Gewinnung von Rapsölen mit hohem Vitamin-E-Gehalt**
Dr.-Ing. Knut Franke, Deutsches Institut für Lebensmitteltechnik e.V., Quakenbrück
- 16:40–17:00 **Tocotrienole aus Biertreber: die niedersächsische Version des "neuen" Vitamin E**
Dr. Astrid Drotleff, Institut für Lebensmitteltoxikologie und Chemische Analytik, Stiftung Tierärztliche Hochschule Hannover

Interdisciplinary Technologies

2nd Bio-IT World Europe Convention Center (CC), Saal/room 13/14, Saal 15/16/Room 15/16 04.10.2010 – 07.10.2010

Due to last year's success BIOTECHNICA and Cambridge Healthtech Institute (CHI) are again featuring an important life science conference.

Managing the data deluge through data driven discovery. The 2nd Annual Bio-IT World Conference & Expo EUROPE event features best practice case studies relevant to the technologies, research, and regulatory issues of life science, pharmaceutical, clinical and IT professionals.

Tracks:

- IT Infrastructure & Informatics: Data Storage, Analysis and Visualization
- NGS Data Management: Sequencing Systems, Storage, and Analysis
- IT Infrastructure & Informatics: Collaborative Software, Standards and Web Technologies
- Data Integration & Knowledge Management

Details for this conference: pages B2–B10

Veranstalter/ Organizer	Cambridge Healthtech Institute 250 First Avenue USA-02494 Needham
Sprache/ Language	English
Teilnahme/ Participation	Participation fee incl. V.A.T. and entrance tickets to the fair Attendance of TWO conferences: 1.745,00 EUR (Commercial) 805,00 EUR (Academic, Government, Hosp. Affiliated) 450,00 EUR (Student) Attendance of ONE conference: 1.245,00 EUR (Commercial) 625,00 EUR (Academic, Government, Hosp. Affiliated) 300,00 EUR (Student) For more information and registration please visit www.Bio-ITWorldExpoEurope.com On-site Registration (4-7 October, 2010): Convention Center (CC), Foyer Area 1, Registration desk.
Kontakt/ Contact	Chris Waterman Telefon: +1 781-972-5400 Fax: +1 781-972-5425 E-mail: reg@healthtech.com

Enabling Technologies

Life Science Spotlight 2010 – Forensics/Biobanks Halle/hall 9, Stand/booth G61, (platform Innovation Forum) 07.10.2010, 12:00–14:00 Uhr/hrs

Die Life Science Research Unternehmen (LSR), die im Verband der Diagnostica Industrie organisiert sind, werden sich wieder auf der BIOTECHNICA 2010 präsentieren.

Die LSR Unternehmen sind Hersteller von Instrumenten und Reagenzien im Life-Science-Research-Bereich die sich zusammengeschlossen haben, um ihre Interessen gemeinsam zu vertreten. Sie verstehen sich als kompetente Gesprächspartner auf wissenschaftlicher, wirtschaftlicher, politischer und Anwenderebene. Eines der Ziele ist die Schaffung von Plattformen für den Austausch und die Diskussion forschungsrelevanter Themen auch unter Einbeziehung ethischer und rechtlicher Fragen.

All the Life Science Research companies (LSR) that are organized in the German Association of Diagnostics Industry will present themselves again at BIOTECHNICA 2010.

These LSR companies are manufacturers of instruments and reagents in the field of Life-Science Research. They have joined forces to present their common interests. They understand themselves as qualified conversational partners on an academic, economic, political and operational level. One of their goals is to create a communication platform for the exchange and discussion of research relevant topics, taking into account ethical and legal questions. They will stage a series of manufacturer-independent noontime lectures with a strong scientific focus. The very latest research topics will once again be presented by users, for users.

Veranstalter/
Organizer Fachabteilung Life Science Research im Verband der Diagnostica-Industrie e.V.
Neustädtische Kirchstr. 8
D-10117 Berlin

Sprache/
Language Deutsch/German or English/English

Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte.
Participation free of charge to BIOTECHNICA ticket holders.

Kontakt/
Contact Dr. Markus Herbort
Telefon: +49 151 180 12 485
E-mail: Markus.herbort@qiagen.com

Enabling Technologies

Donnerstag/Thursday, 07.10.2010

Forensik

Moderation: Dr. Annette Schwenzer, Promega GmbH

12:00–12:18 **Aktuelle Entwicklungen in der Forensik**
Deutsch Dr. Carsten Proff, Insitut für Blutgruppenforschung LGC GmbH

12:18–12:48 **International Commission on Missing Persons:**
Deutsch **An overview its objectives, capabilities, and the use of genetic databases**
Dr. Tom Parsons, Director of Forensic Sciences, ICMP

12:48–13:06 **Die Zuverlässigkeit forensischer DNA-Tests, Maßnahmen zur Vermeidung von Fehlern**
Deutsch Dr. Hildegard Haas, Genedia AG


13:06–13:24 **Forensische Genetik – Dem Täter auf der Spur**
Deutsch Herr Dr. rer. nat. Carsten Hohoff, Institut für Forensische Genetik GmbH, Münster

Biobanken/Biobanks

Moderation: Dr. Annette Schwenzer, Promega GmbH

13:24–13:42 **Aufbau einer Biobank am Beispiel von Life&Brain**
Deutsch Dr. Per Hoffmann, Institut für Humangenetik
Forschungszentrum Life&Brain Universitätsklinikum Bonn

13:42–14:00 **Alma in Silico – an euregional platform to sharing and coordinating competences, services, training and cooperative research in systems biology**
English Dr. Heinrich Delbrück, Institut für Molekulare Biotechnologie an der RWTH Aachen



Versette is here to get you there.

Visit our free lunch seminar!

Incorporating Versatility and Scalability in Laboratory Sample Preparation Procedures

Wednesday 6 October 2010, 12:15 – 14:00 h
Room Hamburg, Convention Centre, Ground Floor

Learn how the new Thermo Scientific Versette automated liquid handler can take your sample preparation to the next level of efficiency.
Speaker: Kiara W. Biagioni, Product Manager Automation Liquid Handling

To register please send an email to: silke.ulrich-heuer@thermofisher.com

Visit our booth in hall 9 / G51!

Thermo
SCIENTIFIC
Part of Thermo Fisher Scientific

Moving science forward

Services/Business Development

2nd Bio@venture Conference 2010 Convention Center (CC), Saal/room Heidelberg 05.10.2010, 09:30–15:00 Uhr/hrs

Die Bio@venture Conference 2010 ist der Ort, an dem Life Science-Ideen auf neues Kapital treffen! Sie bietet, nun bereits zum zweiten mal, die Plattform für Unternehmer, Ihre innovativen Ideen vor Investoren und potenziellen Beteiligungskapitalgebern zu präsentieren. Die Kurzvorträge von ausgewählten Unternehmen vermitteln den ersten Eindruck für spätere direkte Verhandlungen.

The Bio@venture Conference 2010 is the venue where life science ideas correlate with new capital! For the second time the conference offers a platform to entrepreneurs to present their innovative ideas to investors. The short presentations of selected enterprises give a first impression of the idea and are followed by individual negotiations later on.

Veranstalter/ Organizer	Investitions- und Förderbank Niedersachsen – NBank, Deutsche Messe AG, BioRegion, Enterprise Europe Network Niedersachsen Günther-Wagner-Allee 12–16 D–30177 Hannover
Sprache/ Language	Deutsch oder Englisch / German or English
Teilnahme/ Participation	Teilnahmegebühr + gesetzl. MwSt. und Messeeintritskarte. Unternehmen: 300,00 EUR / Investoren: kostenfrei. Anmeldung erforderlich unter www.bioatventure.de <i>Participation fee (+ V.A.T.) and entrance ticket to fair. Companies: 300,00 EUR / Investors: free of charge. Registration required online at www.bioatventure.de</i>
Kontakt/ Contact	Melanie Albrecht Telefon: 0511-30031-368 Fax: 0511-30031-11368 E-mail: melanie.albrecht@nbank.de

Dienstag/ Tuesday, 05.10.2010

09:30–10:00	Registrierung der Teilnehmer Admission and registration
10:00–10:10	Begrüßung Welcome note Stephan Ph. Kühne, Mitglied des Vorstands, Deutsche Messe AG
10:10–10:20	Grußwort Welcome note Dr. Oliver Liersch, Niedersächsischer Staatssekretär für Wirtschaft, Arbeit und Verkehr

Session 1

Moderation:	Ansgar Rudolph, BioRegion
10:20–10:45	Branchenüberblick Biotechnologie 2010 Overview Biotechnology 2010 Dr. Susanne Wosch, Senior Industry Specialist Health Sciences, Ernst & Young GmbH
10:45–12:15	Unternehmenspräsentationen (6 Unternehmen, 10 Min. Vortrag + 5 Min. Fragen) Company presentations (6 companies à 10 min. presentation + 5 min. for questions)
12:15–13:15	Mittagspause Lunch break

Services/Business Development

Session 2

Moderation:	Dr. Claudia Ulbrich, ulbrich&partner Unternehmensberatung
13:15–13:30	Erfahrungsbericht: Erfolgreiche Kapitalgewinnung Report on successful recovery of funding Dr. Marcus Furch, Chief Executive Officer, Rodos BioTarget GmbH
13:30–15:00	Unternehmenspräsentationen (6 Unternehmen, 10 Min. Vortrag + 5 Min. Fragen) Company presentations (6 Companies à 10 min. presentation + 5 min. for questions)
15:00–16:00	Get together

Special Events

Gen Drug Discovery Theatre

Halle/hall 9, Stand/booth B23

05.10.2010–06.10.2010, 14:00–17:00 Uhr/hrs

GEN will sponsor a "Discovery Theater" at BIOTECHNICA, which will feature a series of 45-minute panel discussions each led by a moderator. The panels will be drawn from academia and industry. The focus will be on the development and application of novel drug discovery tools, techniques, methodologies, strategies, and products.

Since large pharma companies have seen their own new drug pipelines dry up, technology transfer of promising newly discovered compounds from academia and small biotech companies to international drug firms will be a key topic of discussion. A wide range of scientific and technical issues will be explored, including those involving ADME/TOX, assay development, biomarkers, gene expression, microarrays, nanotechnology, PCR, RNAi, next-generation sequencing, cell based assays, lead discovery and validation, and many more.

Veranstalter/ Organizer	Genetic Engineering News 140 Huguenot Street USA–10801 New Rochelle
Sprache/ Language	Englisch/English
Teilnahme/ Participation	Teilnahme kostenfrei in Verbindung mit einer Messeintrittskarte. <i>Participation free of charge to BIOTECHNICA ticket holders.</i>
Kontakt/ Contact	John Sterling Telefon: +1 914/740-2100 Fax: +1 914/740-2201 E-mail: jsterling@genengnews.com

Dienstag/ Tuesday, 05.10.2010

Moderation: Dipl.-Kfm. Axel Koch MBA, Managing Director of ElexoPharm GmbH

14:00–14:45	From Academia to Big Pharma - Key Success Factors in the Technology Transfer Process Prof. Dr. Markus Meyer, CEO of Focus IP GmbH; Dr. Michael Huhn, European Patent Attorney and Head of the working group "Technology Transfer" of the Licensing Executive Society LES Germany; Dr. Jörg Knäblein, Head Technology Scouting Bayer Schering Pharma
14:45–15:30	Advances in molecular diagnostics and its impact on the drug industry Stephem Little, Ph.D., Vice President Personalized Healthcare, Qiagen
15:30–16:15	Simultaneous Confirmation of Protein Sequence and Quantitation of Post-translational Modifications Dr. Patrick Boyce, Waters
16:15–17:00	Using IPA to Compare Pathways, Biological Processes Impacted by Celebrex and Vioxx: Case Study in Mechanism of Toxicity Hypothesis Generation Adam S. Corner, PhD. Senior Scientist, Europe, Ingenuity Systems

Mittwoch/ Wednesday, 06.10.2010

TGF- β / TGF- β 2 and its role in aggressive cancer diseases

<u>Moderation:</u>	Dr. Hubert Heinrichs, Chief Medical Officer at Antisense Pharma
14:00–14:30	TGF-β / TGF-β2 and its role in aggressive cancer diseases Prof. Peter ten Dijke, professor of molecular cell biology at Leiden University, The Netherlands
14:30–15:00	Therapies targeting TGF-β - an overview Dr. Piotr Jachimczak, Member of the American Association for Cancer Research (AACR) and the European Neurooncology Organisation (EANO)

Special Events

15:00–15:30	Inhibition of TGF-β2 in high-grade glioma patients – clinical results of the international Phase IIb study (Publ. in press) PD Dr. Peter Hau, Attending, Section Leader of the Department NeuroOncology (associate professor), University of Regensburg
15:30–16:15	Pressure Cycling Technology (PCT): A Novel, Enabling Platform Revolutionizing Biomarker Discovery Nathan Lawrence, Ph.D., Vice President of Marketing, Pressure BioSciences, Inc.
16:15–17:00	Bead Based Protein Arrays Dr. Janet Krege, New Technology Evaluation, R&D, Merck KGaA, Darmstadt

BMBF Projektforum Biotechnologie / BMBF Project Forum Biotechnology

Halle/hall 9, Stand/booth C25

05.10.2010–07.10.2010

Im Rahmen des Projektforums werden die vom Bundesministerium für Bildung und Forschung (BMBF) geförderten Projekte vorgestellt, die im Laufe des Jahres 2009 abgeschlossen wurden. Gegenstand aller präsentierten Projekte ist die Biotechnologie mit ihren unterschiedlichen Aspekten, von der molekularen Diagnostik über das Wirkstoff-Design und Ernährungsaspekte bis hin zur Pflanzenzucht und zu Industriellen Biotechnologie. Wie auch in den vergangenen Jahren werden die Vorträge in der Halle 9 auf dem Messegelände in einer allen zugänglichen Arena gehalten.

The Project Forum will be holding a number of presentations on projects that were funded by the Federal Ministry for Education and Research (BMBF) and which ended in 2009. The subject of the presented projects will be biotechnology, in all its various aspects, spanning from molecular diagnostics, drug design and aspects of nutrition to crop breeding and industrial biotechnology. As in previous years the event will take place in hall 9 in a lecture arena that will be open to all.

Veranstalter/ Organizer	Bundesministerium für Bildung und Forschung Hannoversche Str. 28-30 D-10115 Berlin Vom BMBF mit der Organisation beauftragt ist: BIOCOM Projektmanagement GmbH Brunnenstr. 128 13355 Berlin
Sprache/ Language	Deutsch/German
Kontakt/ Contact	Dr. Boris Mannhardt Telefon: 030/26492161 E-mail: b.mannhardt@biocom.de

Dienstag/ Tuesday, 05.10.2010, 09:40–17:30 Uhr/hrs

Analyse zellulärer Komponenten

09:40–09:50	Generation von Mutationen mit Hilfe von neuartigen Ansätzen Dr. Thomas Floss, Helmholtz Zentrum München
09:50–10:00	Ansatz zur Analyse einer Signaltransduktions-Domäne Dr. Hermann Heumann, Silantes GmbH; München
10:00–10:10	Analyse des Membranproteoms von Bakterien PD Dr. Ansgar Poetsch, Ruhr-Universität Bochum
10:10–10:20	Analyse dynamischer Prozesse in lebenden Systemen Dr. Marius Ueffing, Klinikum rechts der Isar der Technischen Universität München

Special Events

BMBF Projektforum Biotechnologie

- 10:20–10:30 **Messung dynamischer zellulärer Ereignisse**
Dr. Marc Bickle, Max-Planck-Institut für Molekulare Zellbiologie und Genetik, Dresden
- 10:30–10:40 **Struktur und Zusammensetzung von Amyloidfibrillen**
Dr. Marcus Fändrich, Max-Planck-Forschungsstelle für Enzymologie und Proteinfaltung, Halle (Saale)
- 10:40–10:50 **Zellfreie Synthese von Membran-Proteinen**
Prof. Dr. Richard Wagner, Universität Osnabrück

Genom- und Proteomanalyse

- 11:00–11:10 **Neue Werkzeuge für die funktionelle Genom- und Proteomforschung**
Dr. Wilfried Weigel, Scienion AG, Dortmund
- 11:10–11:20 **Lipoproteinanalytik mittels NMR-Spektroskopie**
Christiane Proll, LipoFIT Analytic GmbH, Regensburg
- 11:20–11:30 **Neuartige Massenspektrometrie zur bioanalytischen Charakterisierung von Gewebe**
Prof. Dr. Bernhard Spengler, Justus-Liebig-Universität Gießen
- 11:30–11:40 **Entwicklung von Themen-spezifischen Protein-Biochips**
Dr. Angelika Lüking, Protagen AG, Dortmund
- 11:40–11:50 **Neues Verfahren zur absoluten Quantifizierung von Proteinen**
Markus Fischer, Entelechon GmbH, Regensburg
- 11:50–12:00 **Nested On-Chip PCR**
Dr. Patric Zeltz, BF-BIOlabs Schneider Zeltz, Denzlingen
- 12:00–12:10 **3-D-Mikrodissektion biologischer Objekte**
Dr. Winfriede Weschke, Institut für Pflanzengenetik und Kulturpflanzenforschung, Gatersleben

Wissenschaftskommunikation und Bionik

- 12:20–12:30 **Tribologie im Dünen sand – Skink, Boa und Käferlarve als Vorbild für die Reibungsminderung**
Prof. Dr. Ingo Rechenberg, Technische Universität Berlin
- 12:30–12:40 **eLearning als Ausbildungsmodul zur Qualifikation von Studierenden**
Prof. Dr. Gerhard Heldmaier, Philipps-Universität Marburg
- 12:40–12:50 **Biotechnologie zum Anfassen**
Alexandra Schautz, PHAENO gGmbH, Wolfsburg
- 12:50–13:00 **Odysseum Köln: Biotechnologie und Lebenswissenschaften**
Julia Schropp, SK-Stiftung CSC – Cologne Science Center, Köln

Sondervortrag

- 13:50–14:00 **Start-Up Finanzierung mit dem High-Tech Gründerfonds**
Marco Winzer, High-Tech Gründerfonds Management GmbH, Bonn

Biomarker für die Medizin

- 14:10–14:20 **Analysesystem für die markergestützte intraoperative Tumordiagnostik**
Dr. Rainer Hintsche, AJ eBiochip GmbH, Itzehoe
- 14:20–14:30 **Neuartige molekulare Tumor-Prognostik**
Dr. Fritz Grunert, Genovac GmbH, Freiburg
- 14:30–14:40 **Neue diagnostische Marker für die Zöliakie**
Dr. Jörg-M. Hollidt, In Vent GmbH, Henningsdorf

Special Events

BMBF Projektforum Biotechnologie

- 14:40–14:50 **Identifizierung von Biomarkern für urologische Erkrankungen**
Dr. Eric Schiffer, Mosaiques Diagnostics GmbH, Hannover
- 14:50–15:00 **Prädiktive Biomarkerprofile für die individuelle Tumorthherapie**
Prof. Dr. Heinz-Herbert Fiebig, Oncotest GmbH, Freiburg

Molekulare Diagnostik

- 15:10–15:20 **Detektion von Frühstadien des Plattenepithelkarzinoms in der Mundhöhle**
Dr. Stephan Schwarz-Furlan, Institut für Pathologie Kaufbeuren
- 15:20–15:30 **Empfindliche Diagnostik für die Alzheimer-Krankheit**
Constantin Odefey, ATTO-LAB GmbH, Lübeck
- 15:30–15:40 **Verbesserte Diagnostik der Basedow-Krankheit**
Prof. Dr. Ulrich Loos, KreLo GmbH, Ulm
- 15:40–15:50 **Neuer Test zur molekularen Diagnose der rheumatoiden Arthritis**
Dr. Thomas Flad, PANATecs GmbH, Tübingen
- 15:50–16:00 **Genotyp-spezifischer HCV-Diagnostikchip**
Dr. Stefan Barth, Fraunhofer-Institut für Molekularbiologie und Angewandte Ökologie, Schmallenberg
- 16:00–16:10 **Neuartiges medizinisches Gerät für die Dickdarm-Tumordiagnostik**
Dr. Stefan Schulz, Sondervermögen Großforschung beim KIT, Eggenstein-Leopoldshafen
- 16:10–16:20 **Immundiagnostische Kits zur Verbesserung von Latex-Produkten**
Dr. Steffen Rupp, Fraunhofer-Institut für Grenzflächen- und Bioverfahrenstechnik, Stuttgart

Zielstrukturen für die Medikamentenentwicklung

- 16:30–16:40 **Charakterisierung von Multiple Sklerose-assoziierten Antigenen**
Dr. Alexander Zaigler, Ganymed Pharmaceuticals AG, Mainz
- 16:40–16:50 **Neuer Ansatz zur Behandlung von Autoimmunerkrankungen der Schilddrüse**
Dr. Wolfgang Rudy, MicroMol GmbH, Karlsruhe
- 16:50–17:00 **Validierung von TrkB als Tumortarget**
Prof. Dr. Heinz-Herbert Fiebig, Oncotest GmbH, Freiburg
- 17:00–17:10 **Transketolase – ein neues Target für die Therapie von Tumorerkrankungen**
Dr. Peter Schubert, R-Biopharm AG, Darmstadt
- 17:10–17:20 **Identifikation allergener Substanzen**
Dr. Thomas Joos, EDI Experimentelle & Diagnostische Immunologie GmbH, Reutlingen
- 17:20–17:30 **Tests zur Prüfung auf Entwicklungsneurotoxizität**
Dr. Andrea Seiler, Bundesinstitut für Risikobewertung, Berlin

Mittwoch/Wednesday, 06.10.2010, 09:40–17:30 Uhr/hrs

Entwicklung neuer Wirkstoffe

- 09:40–09:50 **Identifizierung neuer Wirkstoffe gegen Darmkrebs**
Prof. Dr. Heinz-Herbert Fiebig, Oncotest GmbH, Freiburg
- 09:50–10:00 **Naturstoffe aus Algen zum Schutz vor mutagenen Schäden**
Prof. Dr. Otto Pulz, IGV Institut für Getreideverarbeitung GmbH, Bergholz-Rehbrücke
- 10:00–10:10 **Neuartige antidiabetische Wirkstoffe aus Pflanzen**
Dr. Lutz Müller-Kuhrt, Analyticon Discovery GmbH, Potsdam

Special Events

BMBF Projektforum Biotechnologie

- 10:10–10:20 **Wirkstoffe für eine neuartige Behandlung bakterieller Infektionen**
Dr. Lutz Müller-Kuhr, Analyticon Discovery GmbH, Potsdam
- 10:20–10:30 **Neuartige Wirkstoffe zur Behandlung der Zöliakie**
Dr. Ralf Pasternak, Zedira GmbH, Darmstadt
- 10:30–10:40 **Entwicklung eines neuen anti-Entzündungstherapeutikums**
Dr. Ulrich Becker, Labtec GmbH, Langenfeld

Molekulare Medizin

- 10:50–11:00 **Vorhersage der Aufnahme und Verteilung von Wirkstoffen mittels Computersimulation**
Dr. Norbert Siedow, Fraunhofer-Institut für Techno- und Wirtschaftsmathematik, Kaiserslautern
- 11:00–11:10 **Impfstoff gegen schwer therapierbare Infektionskrankheiten**
Dr. Jochen Probst, CureVac GmbH, Tübingen
- 11:10–11:20 **Impfstoff zur Behandlung von Asthma und anderen allergischen Erkrankungen**
Dr. Kerstin Lux, MediGene AG, Martinsried
- 11:20–11:30 **Impfstoff zur Behandlung von Glioblastomen**
Dr. Oliver Schoor, Immatix Biotechnologies GmbH, Tübingen
- 11:30–11:40 **Photodynamische Therapie der Sepsis**
Prof. Dr. Volker Albrecht, biolitec AG, Jena

Produktionsverfahren für Wirkstoffe

- 11:50–12:00 **In vitro Produktion von humanen monoklonalen Antikörpern**
Dr. Frank Breitling, Deutsches Krebsforschungszentrum Heidelberg
- 12:00–12:10 **Neue Herstellverfahren für die Immunzelltherapie**
Dr. Christoph Giese, ProBioGen AG, Berlin
- 12:10–12:20 **Neuartiges Expressionssystem für pharmazeutische Glykoproteine**
Dr. Hans Baumeister, GlycoTope GmbH, Berlin
- 12:20–12:30 **Neues kostengünstiges Expressionssystem zur Produktion von Biopharmazeutika**
Dr. Marcus Hartmann, Cilian AG, Münster
- 12:30–12:40 **Produktion neuartiger Biopharmazeutika im Moos**
Dr. Christian Stemmer, greenovation Biotech GmbH, Freiburg
- 12:40–12:50 **Technologie zur Beschleunigung der biopharmazeutischen Produktentwicklung**
Dr. Dagmar Wirth, Helmholtz Zentrum für Infektionsforschung, Braunschweig
- 12:50–13:00 **Übertragung der koaxialen Airjet Droplet-Technologie in Einzelkapseltechnologie**
PD Dr. Thomas Forst, IKFE Institut für klinische Forschung und Entwicklung GmbH, Mainz

Sondervortrag

- 14:00–14:10 **Start-Up Finanzierung mit dem High-Tech Gründerfonds**
Dr. Mehran Rafigh, High-Tech Gründerfonds Management GmbH, Bonn

Industrielle Biotechnologie

- 14:20–14:30 **Analyse des Stoffwechsels mikrobieller Aminosäureproduzenten**
Prof. Dr. Ralf Takors, Universität Stuttgart
- 14:30–14:40 **Biotechnologische Herstellung von Zimtsäure**
Dr. Arne Peters, E-NEMA Gesellschaft für Biotechnologie und biologischen Pflanzenschutz mbH, Ralsdorf
- 14:40–14:50 **Neue Systeme zum Auffinden und Verbessern industriell bedeutsamer Biokatalysatoren**
Dr. Patrick Lorenz, B.R.A.I.N. AG, Zwingenberg

Special Events

BMBF Projektforum Biotechnologie

- 14:50–15:00 **Neue Enzyme zur Herstellung von biobasierten Produkten**
Dr. Ulrich Fehrenbacher, Fraunhofer-Institut für Chemische Technologie, Pfaffzettel
- 15:00–15:10 **Produktion neuartiger Enzyme für industrielle Anwendungen**
Dr. Oliver Kensch, Direvo Industrial Biotechnology GmbH, Köln
- 15:10–15:20 **Neue Hydrolasen und Oxidoreduktasen für industrielle Anwendungen**
Dr. Thomas Greiner-Stöffe, c-LEcta GmbH, Leipzig
- 15:20–15:30 **Therapie einer seltenen Stoffwechselerkrankung: Von der Grundlagenforschung direkt ans Krankenbett**
Prof. Dr. Guenter Schwarz, Universität zu Köln

Ernährung und Gesundheit

- 15:40–15:50 **Krankheitsprävention durch Ernährung**
PD Dr. Diana Rubin, Christian-Albrechts-Universität zu Kiel
- 15:50–16:00 **Einfluss probiotischer Mikroorganismen auf Entzündungen des Magen-Darm-Trakts**
Dr. Gabriele Hoermannsperger, Technische Universität München
- 16:00–16:10 **Prüfung und Optimierung der gesundheitsfördernden Eigenschaften von Kaffee**
Dr. Gerhard Bytof, TCHIBO GmbH, Hamburg
- 16:10–16:20 **Wirkung von unterschiedlichen Stärkegehalten in Kartoffeln auf den Organismus**
Dr. Joachim Spranger, Deutsches Institut für Ernährungsforschung, Bergholz-Rehbrücke

Funktionelle Lebensmittel

- 16:30–16:40 **Verbesserung der Nahrungsmittelqualität und der menschlichen Gesundheit**
Dr. Guido Jach, Phytowelt Green Technologies GmbH, Nettetal
- 16:40–16:50 **Funktionelle Lebensmittel für die Gefäßgesundheit**
Dr. Sarah Egert, Universität Bonn
- 16:50–17:00 **Funktionelle Eigenschaften von Lebensmitteln durch präbiotische Ballaststoffe**
Dr. Michael Gleis, Friedrich-Schiller-Universität, Jena
- 17:00–17:10 **Pflanzenöle und Omega-3 Fettsäuren zur Prävention von Stoffwechselerkrankungen**
Dr. Petra Wiedmer, Deutsches Institut für Ernährungsforschung, Bergholz-Rehbrücke
- 17:10–17:20 **Procyanidine – Vom Verständnis der Wirkung zur Entwicklung funktioneller Lebensmittel**
Prof. Dr. Sabine E. Kulling, Universität Potsdam

Donnerstag/Thursday, 07.10.2010, 09:40–15:50 Uhr/hrs

Regenerative Medizin

- 09:40–09:50 **Faktoren für die Geweberegeneration**
Prof. Dr. Elly Tanaka, Max-Planck-Institut für Molekulare Zellbiologie und Genetik, Dresden
- 09:50–10:00 **Wachstumsfaktoren für die klinische Anwendung**
Dr. Rolf Bechtold, BIOPHARM GmbH, Eppelheim
- 10:00–10:10 **Biofunktionale Oberflächen für zelltherapeutische Verfahren**
Andreas Schnell, Gambro Dialysatoren GmbH, Hechingen
- 10:10–10:20 **Adhäsionsbarrieren**
Prof. Dr. Burkhard Schlosshauer, NMI Naturwissenschaftliches und Medizinisches Institut an der Universität Tübingen
- 10:20–10:30 **Zellwanderung während der neuronalen Regeneration**
Dr. Reinhard Köster, Helmholtz Zentrum München

Special Events

BMBF Projektforum Biotechnologie

- 10:30–10:40 **Unterstützung der Regeneration der Leber bei akutem Leberversagen**
Dr. Martin Schenk, Eberhard-Karls-Universität Tübingen
- 10:40–10:50 **Zellsuspension zur Behandlung von Strikturen der Harnröhre**
Dr. Gerhard Feil, Eberhard-Karls-Universität Tübingen

Tissue Engineering

- 11:00–11:10 **Follikuläre Stammzellen für die Rekonstruktion menschlicher Haut**
Christina Fieber, euroderm GmbH, Leipzig
- 11:10–11:20 **Bioartificial Gefäßersatz**
Monika Schulze, JOTEC GmbH, Hechingen
- 11:20–11:30 **Herstellung einer Herzklappe durch Tissue Engineering**
Dr. Michael Harder, CorLife GbR, Hannover
- 11:30–11:40 **Regeneration der Bandscheibe durch Tissue-Engineering**
Karin Benz, NMI Naturwissenschaftliches und Medizinisches Institut an der Universität Tübingen
- 11:40–11:50 **Neuro-Tissue Engineering von Büngner Bändern**
Prof. Dr. Burkhard Schlosshauer, NMI Naturwissenschaftliches und Medizinisches Institut an der Universität Tübingen
- 11:50–12:00 **Interaktive Neuroprothese für das Gehör**
Prof. Dr. Frank W. Ohl, Leibniz-Institut für Neurobiologie, Magdeburg

Innovative biomedizinische Verfahren

- 12:10–12:20 **Neue präklinische Werkzeuge für die Therapieoptimierung bei Darmkrebs**
Prof. Dr. André Rosenthal, Signature Diagnostics AG, Potsdam
- 12:20–12:30 **Retina Implantat: Optimierte Stimulation degenerierter Netzhäute**
Dr. Walter-G. Wrobel, Retina Implant AG, Reutlingen
- 12:30–12:40 **Nanopolymere Kontrastmittel für die Photoakustik**
Dr. Robert Lemor, Fraunhofer-Institut für Biomedizinische Technik, St. Ingbert
- 12:40–12:50 **Toxische Wirkung von Stoffen nach Direktexposition von Lungenzellen**
Dr. Jan Knebel, Fraunhofer-Institut für Toxikologie und Experimentelle Medizin, Hannover
- 12:50–13:00 **Entwicklung einer Biohybridlunge**
Dr. Andreas Maurer, Novalung GmbH, Oberstenfeld
- 13:00–13:10 **Neuregulin-vermittelte Neuroprotektion**
Prof. Dr. André Schratzenholz, ProteoSys AG, Mainz

Optimierung von Nutzpflanzen

- 14:10–14:20 **Development of yellow-seeded, low sinapine oilseed rape**
Dr. Felix Dreyer, Norddeutsche Pflanzenzucht Hans-Georg Lembke KG, Holtsee
- 14:20–14:30 **Markergestützte Rückkreuzungsanalyse bei Mais**
Dr. Martin Ganai, TraitGenetics GmbH, Gatersleben
- 14:30–14:40 **Analyse von Blühgenen der Zuckerrübe**
Dr. Axel Schechert, Strube Research GmbH & Co. KG, Söllingen
- 14:40–14:50 **Selektionsmethoden zur Züchtung Krankheits-resistenter Zuckerrüben**
Dr. Markus Wolf, Strube Research GmbH & Co. KG, Söllingen
- 14:50–15:00 **Charakterisierung von Stoffwechselprozessen in Kartoffelknollen**
Prof. Dr. Peter Geigenberger, Ludwig-Maximilians-Universität München

Special Events

Neue Methoden für die Pflanzen- und Tierzucht

- 15:10–15:20 **Produktion eines antimikrobiellen Proteins in Pflanzen**
PD Dr. Michael Kleine, Planton GmbH, Kiel
- 15:20–15:30 **Molecular Farming**
Dr. Nicole Raven, RWTH Aachen
- 15:30–15:40 **Molecular Farming in geschlossenen Anbausystemen**
Dr. Frank Gilmer, Forschungszentrum Jülich
- 15:40–15:50 **Plantibodies und klassische Antikörper gegen ein Vogelvirus**
Dr. Dierk Rebeski, Lohmann Animal Health GmbH & Co. KG, Cuxhaven

BIOTECHNICA PARTNERING Halle/hall 9, Stand/booth C65 05.10.2010 – 07.10.2010

BIOTECHNICA PARTNERING ist Ihr Weg um One-To-One-Meetings mit Wissenschaftlern, Forschungsinstituten und Firmen zu vereinbaren. Sie treffen, wen Sie wollen, um zu diskutieren, was Sie möchten – alles um den best-möglichen Partner für die Verwirklichung Ihrer Ideen und zur Weiterentwicklung Ihrer Geschäfte zu finden. Das System partneringONE® der EBD Group unterstützt Sie dabei effektiv Meetings mit den richtigen Gesprächspartnern vereinbaren zu können, um den maximalen Nutzen für Ihre wissenschaftlichen Projekte oder Innovationen zu generieren.

Der Partnering-Prozess startet bereits vor der Veranstaltung. Registrieren Sie sich jetzt und erstellen Sie Ihr Profil, um für den Start des BIOTECHNICA PARTNERINGS in wenigen Wochen bereit zu sein. Auf Ihrem Partnering-Account können Sie sich jederzeit einloggen, um Ihre Meeting-Agenda zu planen und Gesprächstermine zu vereinbaren. Es werden nur Meetings in Ihrer Agenda aufgenommen, die von beiden Seiten bestätigt sind. Wenn Sie zur BIOTECHNICA anreisen, wissen Sie also bereits, mit wem Sie sich wann und wo treffen werden.

Die One-to-one Meetings dauern jeweils 30 Minuten und finden in den Meeting-Boxen in der Halle 9 oder auf den Ständen der Aussteller statt. So können Sie Ihre Partnering-Meetings mit anderen Aktivitäten auf der BIOTECHNICA kombinieren. Ein Help Desk an der Partnering-Area unterstützt Sie in allen Fragen.

BIOTECHNICA PARTNERING is your route to arranging one-to-one meetings with scientists, research institutes and companies. You meet who you want, to discuss what you want.

EBD Group's partneringONE® system ensures that you can efficiently arrange to meet the right people for your specific collaboration aims, whatever scientific project or innovation you are working on.

The partnering process starts well before the event. Registration is available and enables you to profile your organization to be ready for the launch of partnering by mid of August 2010.

Once partnering is launched, you can log in anytime to plan your own agenda and pre-arrange one-to-one meetings. Only meetings that have been accepted by both parties will be scheduled. Arrive at BIOTECHNICA knowing who you are meeting with.

One-to-one meetings last 30 minutes. They will take place in dedicated meeting booths in Hall 9 or at exhibition booths, making it easy to combine your meetings with other activities. A Partnering Help Desk – also located in Hall 9 – will assist you with any questions on site.

Veranstalter/
Organizer Deutsche Messe AG
in cooperation with: EBD Group, Zürich

Sprache/
Language Englisch/English (Online Plattform)

Teilnahme/
Participation Anmeldung erforderlich unter www.biotechnica.de/partnering_d
Teilnahmegebühr (zzgl. ges. MwSt.):
99,00 EUR (Besucher Industrie) – inkl. Messe Eintrittskarte
59,00 EUR (Besucher Akademie) – inkl. Messe Eintrittskarte
199,00 EUR (Aussteller)
59,00 EUR (Mitaussteller Ländergemeinschaftsstand)

Special Events

Online registration required at www.biotechnica.de/partnering_e

Participation fee (+V.A.T.):

99,00 EUR (Visitors Industry) – incl. entrance ticket to the fair

59,00 EUR (Visitors Academia) – incl. entrance ticket to the fair

199,00 EUR (Exhibitors)

59,00 EUR (Exhibitors of a country joint stand)

Kontakt/ Janine Wendt
Contact Telefon: +49 511/89 32179
E-mail: janine.wendt@messe.de

Lateinamerika-Tag 2010 P37/Nord/LB forum 06.10.2010 – 07.10.2010

Seit 61 Jahren veranstaltet der Lateinamerika Verein jährlich das Schlüsselereignis in den deutsch-lateinamerikanischen Wirtschaftsbeziehungen, den Lateinamerika-Tag. Die zweitägige Veranstaltung gliedert sich in einen Wirtschaftstag und einen Konferenztag. Den feierlichen Abschluss bildet ein Galadiner, zu dem traditionell ein lateinamerikanischer Präsident eingeladen wird.

In 2010 sind die thematischen Schwerpunkte des Lateinamerika-Tages Mexiko und am zweiten Tag die Technologiekooperation zwischen Deutschland und Lateinamerika. Der Wirtschaftstag Mexiko ist auch als Beitrag des LAV zum Bicentenario zu verstehen und wird den aktuellen Stand und die zukünftigen Trends der Deutsch-Mexikanischen Wirtschaftsbeziehungen beleuchten. Der anschließende Konferenztag ist den Kooperationen und Partnerschaften zwischen Deutschland und den lateinamerikanischen Ländern beim Technologietransfer gewidmet. Referenten aus Politik und Wirtschaft werden zu Themen der Automobilindustrie, Infrastruktur, Energie und Aerospace sowie Forschung, Entwicklung, Innovation und Standortwahl sprechen und diskutieren.

Die diesjährige Veranstaltung wird in Kooperation mit der Niedersachsen Global GmbH (NGlobal) ausgerichtet und steht unter der Schirmherrschaft des Niedersächsischen Ministerpräsidenten David McAllister. Wir freuen uns, als Ehrengast zum Galadiner die Präsidentin der Republik Argentinien, I.E. Dr. Cristina Fernández de Kirchner, zu begrüßen.

For 61 years the Latin American Day has been the annual highlight of German-Latin American business relations. Held by the Latin American Business Association (LAV), the event is divided into a Business Meeting focussed on a particular country, and a Conference. The closing event is a Gala Dinner whose traditional guest of honour is the president of a Latin American country.

The central topics of the 2010 Latin American Day will be Mexico and Technology Cooperation between Germany and Latin America. The Business Meeting is also understood as a contribution to the Bicentenario, presenting the current situation and the future prospects of German-Mexican business relations. The Conference deals with different aspects of the technology transfer between Latin America and Germany.

High-ranking representatives of the political and the private sector will present and discuss the automotive industry, infrastructure, energy and aerospace as well as research, development, innovation and choice of industrial location. This year's conference is organized in cooperation with Niedersachsen Global GmbH (NGlobal) and will take place under the patronage of the Prime Minister of Lower Saxony, David McAllister. We are looking forward to welcome the President of Argentina, H.E. Dr. Cristina Fernández de Kirchner as Guest of Honour at our Gala Dinner.

Special Events

Veranstalter/
Organizer Lateinamerika Verein e.V.
in cooperation with: Global GmbH (NGlobal)

Sprache/
Language German-English-Spanish (simultaneous translation)

Teilnahme/
Participation Besucher der Biotechnica haben die Möglichkeit, an den Veranstaltungen des Lateinamerika-Tages zum reduzierten LAV-Mitgliedspreis teilzunehmen.

Teilnahmegebühr (inkl. 19% MwSt.):

Wirtschaftstag Mexiko (06.10.)

105,00 EUR (LAV-Mitgliederpreis)

Konferenz: Technologiekooperationen – Lateinamerika und Deutschland (07.10.)

155,00 EUR (LAV-Mitgliederpreis)

Visitors of the Biotechnica can participate in the events of the Latin American Day 2010 at the reduced LAV member rate.

Participation fee (incl. 19% VAT):

Business Meeting: Focus on Mexico (06.10.)

105,00 EUR (LAV-member-price)

Conference "Cooperation in technology – Latin America and Germany" (07.10.)

155,00 EUR (LAV-member-price)

Kontakt/
Contact Imke Schröder
Telefon: +49 40 413 43 13
Fax: +49 40 45 79 60
E-mail: i.schroeder@lateinamerikaverein.de

BIOTECHNICA Innovation Forum

Innovation Forum

Halle/hall 9, Forum 1: Stand B49, Forum 2: Stand G61

05.10.2010 – 07.10.2010

Anlässlich der BIOTECHNICA 2010 präsentieren sich auf dem Innovation Forum in 15 bis 25-minütigen Vorträgen zahlreiche Unternehmen aus allen Sparten der Biotech-Branche und informieren über ihre innovativen Leistungen und Produkte. Dabei spiegeln sich die Ausstellungsschwerpunkte von der Biotechnik und -informatik über Dienstleistungen und Equipment bis hin zu den Anwendungsbereichen Pharmazie/ Medizin, Ernährung sowie Landwirtschaft und Umwelt in den Fokusthemen wider.

Das Innovation Forum findet auf insgesamt 2 offen gestalteten Vortragsplattformen direkt im Ausstellungsbereichen der Halle 9 statt. Für Besucher der BIOTECHNICA ist die Teilnahme kostenfrei. Dadurch haben Sie die Möglichkeit, sich einfach und unkompliziert über Innovationen aus erster Hand zu informieren, mit den Referenten in den Dialog zu treten und interessante Kontakte zu knüpfen.

The Innovation Forum at BIOTECHNICA 2010 features a rich series of 15 to 25-minute lectures and demonstrations by companies from every conceivable sector of the biotech industry keen on presenting their latest technologies, products, achievements, service offerings, bioinformatics solutions and equipment as well as intriguing biotech applications in pharmaceuticals, medicine, nutrition, agriculture and environmental protection.

The presentations will be held at two locations in hall 9, right on the exhibition floor. Attendance is FREE for all BIOTECHNICA visitors, who will find the Innovation Forum to be an optimal setting in which to pick up valuable know-how, discover the latest breakthroughs and engage in face-to-face dialogue with fellow professionals.

Veranstalter/
Organizer Deutsche Messe AG

Sprache/
Language Deutsch oder Englisch / German or English

Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messeintrittskarte
Participation free of charge to BIOTECHNICA ticket holders

Kontakt/
Contact Jens Bürger
Telefon: +49 511 89-33574
Fax: +49 511 89-30998
E-mail: jens.buerger@messe.de

Dienstag/ Tuesday, 05.10.2010

Medizin, Pharmazie / Medical and pharmaceutical applications

10:30–10:55 **Diskonnektoren und Konnektoren für sichere sterile Interaktionen**
Deutsch Mona Keller
Halle/hall 9 – Forum 2, Stand/booth G61

Pall geht mit der Familie der Kleenpak Sterile Disconnectors neue Wege, Einwegsysteme in nicht-klassifizierter Arbeitsumgebung validiert steril voneinander zu trennen. In Verbindung mit der Familie der Kleenpak Sterile Connectors ergibt sich ein breites Portfolio für GMP-konformes Fluidhandling in Einwegsystemen.

Veranstalter/Organizer: Pall GmbH

11:00–11:25 **Micro-24 Microbioreactor: "High-throughput" bioreactors redefining cell line optimization and process development**
English Tiffany D Rau, PhD
Halle/hall 9 – Forum 2, Stand/booth G61

The Pall Micro-24 Microbioreactor is a disposable 24 well system with individual pH, DO, and temperature control. The "high-throughput" system allows to maximize the likelihood of obtaining a "winning" cell line and scalable process early in development. Microbial as well as mammalian applications of the system will be discussed.

Veranstalter/Organizer: Pall GmbH

BIOTECHNICA Innovation Forum

14:15–14:40 **Bioenergoinformation of a living organism – „DINO96“ – versatile use**
English mgr inz. Jan Stoj
Halle/hall 9 – Forum 2, Stand/booth G61

The investigations and observations demonstrate the activity of DINO-96 in differents of bio-medicine, biomarkers, extremalactivity-emergency, express diagnostic with DINO-96 method, biocosmetology, antybioterroryzm, ecology, agriculture and veterinary, military and sport and.....H1N1?

Veranstalter/Organizer: DINO-96

15:45–16:10 **We target disease**
English Dr. Andre Hoekema
Halle/hall 9 – Forum 2, Stand/booth G61

Galapagos applies its target discovery engine in human cells to discover and develop novel mode-of-action drugs across a wide range of diseases. Based on this approach, Galapagos signed 8 strategic pharma alliances and delivered multiple clinical and pre-clinical drug candidates, thereby building a leading, profitable European biotech company.

Veranstalter/Organizer: Galapagos NV

16:15–16:40 **Apeiron Biologics: privately financed, private success**
English Dr. Hans Loibner
Halle/hall 9 – Forum 2, Stand/booth G61

Apeiron Biologics is engaged in focused R&D of innovative therapeutic approaches with clinical and commercial value. A novel enzyme therapy was developed up to end of Phase I and licensed to GlaxoSmithKline in early 2010. Additional projects are in the area immunologic/biologic therapy of cancer.

Veranstalter/Organizer: APEIRON Biologics AG

Biotechnik / Bioengineering

11:30–11:55 **Industrielle Biotechnologie: Ein Markt für Forschung und Entwicklung**
Deutsch Dr. Manfred Kircher
Halle/hall 9 – Forum 2, Stand/booth G61

Es wird erwartet, dass bis 2020 mehr als 20% aller Chemieprodukte biobasiert hergestellt werden. Damit gewinnt die industrielle Biotechnologie auf zwei Schlüsselmärkten wesentlich an Bedeutung: 1. bei der Herstellung nachwachsender Kohlenstoffquellen und 2. bei deren Transformation in werthaltige Chemieprodukte. Der Vortrag diskutiert den F&E Markt.

Veranstalter/Organizer: CLIB2021 – Cluster Industrielle Biotechnologie e.V.

14:15–14:40 **Targeted transgene integration in a CHO-S hotspot for the fast and reproducible production of high protein titers**
English M. Sc., Peter Steinhardt
Halle/hall 9 – Forum 1, Stand/booth B49

The desired characteristics of a mammalian cell expression system include the ability to quickly and reproducibly generate stable clones producing high titers of recombinant proteins and mAbs. This can be achieved using meganuclease-driven targeted integration, to stably express proteins from selected transcriptionally active genomic region.

Veranstalter/Organizer: Collectis bioreserach

BIOTECHNICA Innovation Forum

14:45–15:10 **A novel animal component free surface for growth of stem cells and other fastidious cells**
English Dr. Y. Cindy Neeley
Halle/hall 9 – Forum 2, Stand/booth G61

The new Thermo Scientific Nunclon Vita is an energy-treated polystyrene surface free of animal components. It enables culture of human stem cells without matrix or feeder layers. Cells are grown directly on the surface in conditioned media containing ROCK-inhibitor, and can be sustained for more than ten passages without signs of differentiation.

Veranstalter/Organizer: Thermo Fisher Scientific Nunc

Equipment

15:15–15:40 **evapeosTM: The new generation of evaporators for Life Sciences**
English Dr. Fabrice Gascons Viladomat
Halle/hall 9 – Forum 2, Stand/booth G61

Downstream processing of bioproducts is a major issue in biomanufacturing because they are highly diluted in water. evapeosTM allows a fast concentration at room temperature and atmospheric pressure, leading to very low thermal and shear stress on the products.

Veranstalter/Organizer: Ederna

15:15–15:40 **Robotic Liquid Handling**
English Kajsa Pettersson
Halle/hall 9 – Forum 1, Stand/booth B49

Xiril's series of liquid handling robotic workstations provides the precision, robustness, cost efficiency and ease of use to cope with laboratories' needs. With smart technology and user-friendly software customers can easily transform their applications onto these flexible, open designed robotic workstations.

Veranstalter/Organizer: GC biotech B.V.

Bioinformatik, Service / Bioinformatics, Services

10:30–10:55 **All year exposure on BIOTECHNICA Homepage TV**
English drs Rob Chömpff
Halle/hall 9 – Forum 1, Stand/booth B49

BIOTECHNICA Homepage TV with exhibitor videos proved to be the most popular HOTSPOT (3 videos/300 Euro)

– All year long every week the Biotechnica Homepage attracts minimal 5000 visits /week resulting 16000 visitors/ year

– Exhibitor commercials draw up to 4500 views/commercial (and leads)

– New technology! Your webcommercial is ready in ONE day (from 450 Euro) including turnkey text coaching

Presentation time:

10.30 – 10.55 / 11.30 – 11.55 / 14.45 – 15.10 / 16:15 – 16.40

Veranstalter/Organizer: Webvertising Studios

Mittwoch/ Wednesday, 06.10.2010

Equipment

11:00–11:25 **Metallisch dichtende Aseptik-Rohrverbindung ConnectS®**
Deutsch Harry Jost
Halle/hall 9 – Forum 2, Stand/booth G61

ConnectS® ist die weltweit erste und einzige hygienische Rohrverbindung, die ohne Elastomere auskommt. Die Verbindung ist so konstruiert, daß alle relevanten Anforderungen in Bezug auf Hygiene – Sicherheit erfüllt werden.

Veranstalter/Organizer: NEUMO GmbH + Co. KG

BIOTECHNICA Innovation Forum

11:30–11:55 **BX3 – built by your needs**
Deutsch **Die neuen aufrechten Mikroskopsysteme von Olympus**
Dr. Jan Barghaan
Halle/hall 9 – Forum 2, Stand/booth G61

Mit den Systemen der neuen aufrechten Mikroskopfamilie BX3 präsentiert Olympus einzigartige und innovative Lösungen für die Anforderungen der modernen Arbeitswelt, sowohl im Klinik- als auch im Forschungsalltag.

Veranstalter/Organizer: Olympus Deutschland GmbH

12:00–12:15 **HSG-IMIT Lab-on-a-Chip Design and Foundry Service**
English Dr. Felix von Stetten
Halle/hall 9 – Forum 1, Stand/booth B49

The portfolio of the HSG-IMIT of Lab-on-a-Chip Design and Foundry Service comprises design, prototyping and testing of customized Lab-on-a-Chip applications. A special expertise is the upgrade of conventional laboratory devices such as Real-Time PCR thermocycler to realize inbuilt microfluidic process automation.

Ref.: www.loac-hsg-imit.de

Veranstalter/Organizer: HSG-IMIT

14:15–14:40 **3D Fluoreszenz Imaging einfach gemacht**
Deutsch Dr. Hubert Bauch
Halle/hall 9 – Forum 2, Stand/booth G61

Mit dem VivaTome stellt Carl Zeiss eine neue Technologie für das 3D Imaging lebender Proben vor. Über die Technik der „Aperture Correlation“ lassen sich scharfe und kontrastreiche Bilder von dicken Proben erzeugen, die mit konventionellen Fluoreszenztechniken überstrahlt aussehen.

Veranstalter/Organizer: Carl Zeiss MicroImaging GmbH

14:45–15:10 **sam5 biosensor – A new solution for simple and robust label-free biomolecular interaction analyses in biotech and academia**
English Dr. Thomas Gronewold
Halle/hall 9 – Forum 2, Stand/booth G61

sam5 is a new, easy to use biosensor for label-free real-time biomolecular analyses. It enables high quality kinetic interaction detection, determination of affinity constants, binding specificity and analyte concentration. Superior to common systems it allows to detect protein conformational changes in membranes and vesicles due to binding events.

Veranstalter/Organizer: SAW instruments GmbH

15:15–15:40 **BlueInOne – the smallest gas analysis for bioprocesses**
English Dr. Holger Müller
Halle/hall 9 – Forum 1, Stand/booth B49

BlueInOne is the smallest gas analyzer worldwide with the best long term stability. It includes simultaneous compensation of pressure, humidity and temperature for the measurement of gases such as O₂ and CO₂. Due to this new analyzer bioprocesses of any kind can be controlled online without the need of additional calculations.

Veranstalter/Organizer: BlueSens gas sensor GmbH

15:45–16:10 **Chancen und Möglichkeiten – real-time PCR**
Deutsch Holger Densow
Halle/hall 9 – Forum 1, Stand/booth B49

Im dem Vortrag werden die Grundlagen der PCR und real-time PCR beschrieben und die beiden neuen real-time PCR Thermocycler TOptical und qTOWER vorgestellt. Darüber hinaus werden methodische Neuentwicklungen anschaulich erläutert und es wird auf Perspektiven der real-time PCR eingegangen.

Veranstalter/Organizer: Analytik Jena AG

BIOTECHNICA Innovation Forum

16:15–16:40 **Raman Spektroskopie – Eine Technologie zum Gewinn neuer Informationen für LifeScience**
Deutsch **Anwendungen**
Dr Johanna Neumayer
Halle/hall 9 – Forum 1, Stand/booth B49

Raman Spektroskopie eröffnet spezifische Informationen auf molekularer Ebene (z.B. von Peptiden, Proteinen, DNA, etc) und ist sensitiv auf Veränderungen innerhalb von Biomolekülen. Diese "label-freie" Technologie kann bildgebend (Raman Imaging) und räumlich hochauflösend bis hin in den subzellularen Bereich eingesetzt werden.

Veranstalter/Organizer: HORIBA Jobin Yvon GmbH

Medizin, Pharmazie / Medical and pharmaceutical applications

10:30–10:55 **A low cost molecular diagnostics platform for infectious diseases**
English Rob Jenison, Chief Technology Officer
Halle/hall 9 – Forum 2, Stand/booth G61

The Portrait molecular diagnostics platform utilizes isothermal amplification and eye visible chip-based detection to provide low cost results. Data will be shown on the first clinical application for detecting Staphylococcus species and the oxacillin resistance marker mecA from positive blood cultures.

Veranstalter/Organizer: Great Basin Scientific

14:20–14:40 **German-Russian Forum**
English **Industrial Biotechnology in Russia**
Overview on the Russian Industrial Biotechnology Sector
Prof. Raif Vasilov
Halle/hall 9 – Forum 1, Stand/booth B49

Main characteristics of the current state of the biotech industry in Russia: Market volume ~ \$ 1.6 billion;
Growth rate ~ 10-12%; Market saturation

Veranstalter/Organizer: Deutsche Messe AG

15:15–15:40 **SPS – Stabilization and Protection of Biologics during Storage and Sterilization**
English Michael Scholl
Halle/hall 9 – Forum 2, Stand/booth G61

LEUKOCARE's technologies allow to extend shelf life of biologics in dehydrated state and to retain functionality during sterilization by gamma-, beta-radiation or ethylene oxide. LEUKOCARE's technologies enable the design of a new range of products in the fields of biologic-device combination products, biopharmaceuticals and diagnostics.

Veranstalter/Organizer: Leukocare AG

16:15–16:40 **The ribox® HTP-RNA-Synthesis: A fast, easy and cost-effective method dedicated to siRNA-screens**
English Dr. med. habil. Jacques Rohayem
Halle/hall 9 – Forum 2, Stand/booth G61

A new technology based on the properties of an RNA polymerase to synthesize siRNA in high throughput has been developed. Synthesis, purification and analysis are very fast, allowing tremendous saving in time and cost of goods for setting up RNAi-screens.

Veranstalter/Organizer: Riboxx GmbH

BIOTECHNICA Innovation Forum

Biotechnik / Bioengineering

11:00–11:25 **Multiplexed biomolecular interactions monitoring using Surface Plasmon Resonance imaging (SPRI)**
English Dr. Elodie LY-MORIN
Halle/hall 9 – Forum 1, Stand/booth B49

Surface Plasmon Resonance imaging (SPRI) takes bimolecular interaction analysis a step further. This label-free and sensitive technique allows up to several hundreds interactions to be monitored simultaneously in real-time. Applications on cell capture and ligand fishing by SPRI-mass spectrometry will be presented.

Veranstalter/Organizer: HORIBA Jobin Yvon GmbH

11:30–11:55 **A novel bioreactor for tissue reconstruction in vitro**
English Dr. Antje Fuhrmann
Halle/hall 9 – Forum 1, Stand/booth B49

Dedifferentiation of primary cells and associated loss of functionality when cultivated in vitro are still the major limitations in tissue engineering. A promising approach to abolish these limitations is the use of bioreactors enabling in vivo like cultivation. In this study a novel bioreactor system suitable for load bearing tissue is discussed.

Veranstalter/Organizer: Greiner Bio-One GmbH

14:40–15:00 **German-Russian Forum**
English **Industrial Biotechnology in Russia**
German-Russian cooperation in biotechnology: outlook and perspectives
Dr. Christian Patermann, Former Director EU-Commission
Halle/hall 9 – Forum 1, Stand/booth B49

Industrial biotechnology is one of the most promising areas of future economic success: ranging from new biobased materials to the production of new enzymes. Russia with its huge reservoir of biomass and Germany with its portfolios in life sciences can strongly complement their activities on the road to a knowledge-based bio-Economy.

Veranstalter/Organizer: Deutsche Messe AG

15:45–16:10 **Applications in Design of Experiments in optimal recombinant protein production with the multibioreactor system BIOSTAT Qplus**
English Prof. Dr.-Ing. Reiner Luttmann, Hochschule für Angewandte Wissenschaften (HAW) Hamburg
Halle/hall 9 – Forum 2

Optimisation of recombinant protein processes, fully automated DoE-Design of Experiments, Modde®, BIOSTAT® Qplus and Bplus multi-fermenter system, production of potential Malaria vaccines with Pichia pastoris, maximizing soluble proteins in Escherichia coli, at-line RP-HPLC measurement of target protein concentration and product quality.

Veranstalter/Organizer: Sartorius Stedim Biotech GmbH

16:45–17:10 **Upcyte technology allows extended proliferation of primary cell cultures**
English Dr. Joris Braspenning, Medicyte GmbH
Halle/hall 9 – Forum 2, Stand/booth G61

Medicyte has developed a new technology to allow the proliferation of differentiated primary cells without inducing permanent immortalization, uncontrolled cell growth, or loss of phenotype. The technology involves a viral gene transfer system to introduce a combination of genes that induce & maintain cell proliferation until cells reach confluence.

Veranstalter/Organizer: LGC Standards GmbH

Bioinformatik, Service / Bioinformatics, Services

10:00–10:25 **Data analysis in an instant – a simpler and faster way to explore large data sets**
English Ann Holmberg, M. Sc.
Halle/hall 9 – Forum 1, Stand/booth B49

Qlucore Omics Explorer (OE) is the software for intuitive bioinformatics, developed with the researcher in mind. It gives instant response when exploring your data. It is an interactive analysis and visualization tool that helps the user to very quickly identify groups, structures, variable networks and discriminating variables in large data sets.

Veranstalter/Organizer: Qlucore AB

10:00–10:25 **Identification of Genes, Pathways and Processes**
English **Affected by Cancer Kinase Inhibitors Using IPA and Ingenuity Answers**
Adam S. Corner, PhD
Halle/hall 9 – Forum 2, Stand/booth G61

Ingenuity Answers and IPA allow scientists to ask and answer detailed questions about drugs, targets and diseases powered by the Ingenuity Pathways Knowledge Base. This seminar will illustrate a workflow centered around Breast Cancer kinases, their drugs, downstream targets and inferred off target effects.

Veranstalter/Organizer: Ingenuity Systems, Inc.

10:30–10:55 **Genevestigator – how are your genes expressed across thousands of experimental conditions, diseases and tumors?**
English Dr. Philip Zimmermann
Halle/hall 9 – Forum 1, Stand/booth B49

Genevestigator is a revolutionary tool to easily and quickly find out which conditions affect the expression of genes of interest. By summarizing expression values from more than 50'000 high quality microarrays, user-friendly tools help to understand the function of genes or to find genes that are related to selected conditions (biomarker genes).

Veranstalter/Organizer: Nebion AG

14:00–14:20 **German-Russian Forum**
English **Industrial Biotechnology in Russia**
German-Russian Cooperation Network Biotechnology
Dr. Gabriele Gorzka, East-West-Science Center, University of Kassel
Halle/hall 9 – Forum 1, Stand/booth B49

Biotechnology is one of the fastest and strongest growing industrial sectors of the world economy. The German-Russian Cooperation Network Biotechnology supports collaboration between German and Russian research institutes and industry.

Veranstalter/Organizer: Deutsche Messe AG

16:45–17:10 **Use of pre-barcoded media for paperless Environmental Monitoring**
English Dr. Ulrich Eikmanns, Head of Product Management, heipha Dr. Müller GmbH / Mr. Michael Desiderio, Global Director, Informatics, Lonza Cologne AG
Halle/hall 9 – Forum 1, Stand/booth B49

Discussion on the current challenges in Quality Control as they relate to managing samples and information. Problems and inefficiencies with paper-based systems for QC will be contrasted with strategies for automation, including the use of pre-barcoded media and the critical features necessary for it to play a central role in the paperless lab.

Veranstalter/Organizer: heipha Dr. Müller GmbH / Lonza Cologne AG

Verleihung des BIOTECHNICA Studienpreises 2010 / Award of the BIOTECHNICA Study Price 2010
Halle/hall 9, Stand/booth E41
06.10.2010, 11:00–12:00 Uhr/hrs

Der Verband Biologie, Biowissenschaften und Biomedizin – VBIO zeichnet herausragende experimentelle Abschlussarbeiten unterschiedlicher Disziplinen der Biowissenschaften aus. Der von Roche unterstützte und mit insgesamt von 5.000 Euro dotierte Preis wird am 6. Oktober um 11:00 Uhr an die drei Preisträger vergeben.

Outstanding experimental degree theses from all bioscience areas will be awarded by the VBIO. The prize is sponsored by Roche.

Veranstalter/
Organizer VBIO e.V.
Corneliusstr. 12
D-80469 München

Sprache/
Language Deutsch/German

Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messe Eintrittskarte.
Participation free of charge to BIOTECHNICA ticket holders.

Kontakt/
Contact Dr. Carsten Roller
Telefon: +49 89/26024573
Fax: +49 89/26019729
E-mail: carsten.roller@vbio.de

jobvector-Karrierestand / jobvector Career Booth
Halle/hall 9, Stand/booth B53
05.10.2010–07.10.2010, 09:00–18:00 Uhr/hrs

Jobwall, Information und persönliche Beratung

Als zentrale Anlaufstelle für Stellensuchende dient der jobvector-Karrierestand: Jobwall, Informationen und persönliche Beratung. An allen drei Messetagen können Bewerber an der jobvector-Jobwall aktuellste Stellenausschreibungen von BIOTECHNICA-Ausstellern und von jobvector finden, die über das Online-Angebot hinausgehen.

Bewerber erfahren alles über die neuesten Berufsaussichten, Trends und Perspektiven rund um den Arbeitsmarkt.

Jobwall, Information and Personal Advice

As a central contact point for job seekers the jobvector-Career Booth offers: Jobwall, information and advice. On all three event days applicants can find the most current job ads from companies exhibiting at BIOTECHNICA and from jobvector, outnumbering vacancies offered online.

Applicants can take advantage of several options to gather information and find out all there is to know about the topics career choice, application and employment.

Veranstalter/
Organizer jobvector
Kölner Landstr. 40
D-40591 Düsseldorf

Sprache/
Language Deutsch/German or Englisch/English

Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messe Eintrittskarte.
Participation free of charge to BIOTECHNICA ticket holders.

Kontakt/
Contact Dr. Martina Sribar
Telefon: +49 211 301384-08
Fax: +49 211 301384-18
E-mail: martina.sribar@jobvector.com

Career Development & Training

jobvector-Check / jobvector-Checking Service
Convention Center (CC), Raum/room 214, 216/
07.10.2010, 09:00–18:00 Uhr/hrs

Bewerbungsmappencheck

Am jobvector career day bietet jobvector gemeinsam mit einer Personalagentur eine fachspezifische Durchsicht Ihrer Unterlagen an.
In kleinen Gruppen werden die Stärken und Schwächen der mitgebrachten Bewerbungen analysiert. Die intensive Analyse und Beratung wird in Kleingruppen in separaten, ruhigen Räumlichkeiten durchgeführt.

Application Portfolio Checking Service

At the jobvector career day, jobvector and a HR agency offer an expert check of your documents. In small groups the strong and weak points of your application that you bring along, will be analyzed. The intense check and consultation takes place in separate and quiet rooms.

Veranstalter/
Organizer jobvector
Kölner Landstr. 40
D-40591 Düsseldorf

Sprache/
Language Deutsch/German or Englisch/English

Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messeintrittskarte. Die Anzahl der Teilnehmer ist beschränkt; bitte melden Sie sich frühzeitig an unter www.jobvector.de/hannover
Participation free of charge to BIOTECHNICA ticket holders. The number of participants is limited; please register early on www.jobvector.de/en/hannover

Kontakt/
Contact Dr. Martina Sribar
Telefon: +49 211 301384-08
Fax: +49 211 301384-18
E-mail: martina.sribar@jobvector.com

jobvector-Forum
Halle/hall 9, Stand/booth B49, (platform INNOVATION FORUM)/
(platform INNOVATION FORUM)
07.10.2010, 10:00–17:00 Uhr/hrs

Vorträge zu Beruf und Karriere im wissenschaftlich-technischen Bereich

Es erwartet Sie ein spannendes und unterhaltsames Vortragsprogramm rund um die Themen Berufswahl, Bewerbung und Karriere. Top Arbeitgeber stellen sich vor und sprechen über individuelle Einstiegsmöglichkeiten und über Karriereperspektiven im Unternehmen.

Talks on Job Profiles and Career Opportunities in the fields of sciences and technology

You can expect an exciting and comprehensive programme of talks surrounding the topics choice of profession, application and career. Top companies introduce their company as well as their career options.

Veranstalter/
Organizer jobvector
Kölner Landstr. 40
D-40591 Düsseldorf

Sprache/
Language Deutsch oder Englisch / German or English

Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messeintrittskarte.
Participation free of charge to BIOTECHNICA ticket holders.

Career Development & Training

Kontakt/
Contact Dr. Martina Sribar
Telefon: +49 211 301384-08
Fax: +49 211 301384-18
E-mail: martina.sribar@jobvector.com

Donnerstag/Thursday, 07.10.2010

Moderation: Christoph Pietsch, jobvector

10:00–10:05
Deutsch **Begrüßung**
jobvector-the Science career center

10:05–10:30
Deutsch **Spectaris Light Alliance – Zukunft als Lichtingenieur – Karrierechancen in der Photonik**
Birgit Ladwig, Leiterin Fachverband Photonik + Präzisionstechnik im Hightech-Verband
SPECTARIS, Spectaris Light Alliance

10:30–10:50
Deutsch **Kelly Scientific Resources – Ihr starker Partner in der Personalvermittlung**
Simone Flachmann, Kelly Scientific Resources

10:50–11:10
English **Bird Engineering BV – How to apply for beginners**
Brenda Berenman, Bird Engineering BV

11:10–11:30
Deutsch **Pause / break**

11:30–11:55
Deutsch **Thermo Fisher Scientific – World Leader in Serving Science**
Karl-Gerhard Hoppmann, Thermo Fisher Scientific

11:55–12:15
Deutsch **nemensis ag – The human factor**
Christian Schneeberger, nemensis ag

12:15–12:35
Deutsch **Olympus Europa Holding GmbH- Olympus als Arbeitgeber inkl. Erfahrungsbericht eines Trainees Vertrieb**
Heino Plöger und Dr. Moritz Paehler, Olympus Europa Holding GmbH

12:35–13:35
Deutsch **Pause/ break**

13:35–14:00
Deutsch **BASF – The Chemical Company**
Dr. Sarah Ulmschneider, BASF SE

14:00–14:20
Deutsch **Abbott GmbH & Co. KG – Abbott eine Leidenschaft fürs Leben**
Joachim Walk, Abbott GmbH & Co. KG

14:20–14:40
Deutsch **Miltenyi Biotec GmbH – Über die Kunst kleinste Dinge zu trennen**
Prof. Dr. Uwe Heinlein, Miltenyi Biotec GmbH

14:40–15:20
Deutsch **Pause / break**

15:20–15:40
Deutsch **KWS Saat AG – Wer Möglichkeiten sucht, denkt Orange**
Nadine Bautz, KWS Saat AG

15:40–16:00
Deutsch **Life Technologies GmbH – Perspektiven bei Life Technologies**
Dr. Arne Schierau, Life Technologies GmbH

16:00–16:20
English **BioBusiness Summer School 2011**
Josée Lenoir, BioBusiness summer school

16:20–16:40
Deutsch **LSR-Life Science Research – Der Vertrieb als Arbeitgeber**
Dr. Wolfgang Kronemeyer, Qiagen und Günter Wagner, Thermo Fisher Scientific, LSR-Life Science Research

16:40–17:00
Deutsch **jobvector-the Science career center – Jobsuche in der Praxis**
Tom Wiegand, jobvector-the Science career center

Career Development & Training

jobvector-Networking

Halle/hall 9, Stand/booth B53

07.10.2010, 09:00–18:00 Uhr/hrs

Im Gespräch mit Personalverantwortlichen

Am Stand von jobvector kommen Sie direkt mit Personalverantwortlichen beteiligter Firmen ins Gespräch. Sie können sich persönlich vorstellen, einen ersten Eindruck des Unternehmens gewinnen und sich über Ihre individuellen Karriereperspektiven informieren.

Das Begleitheft zum career day präsentiert Ihnen alle teilnehmenden Firmen. Es ist vor dem Event als Download erhältlich und wird auch auf der Veranstaltung verteilt.

Talking to HR Managers

At our booth you can talk directly to HR-managers of participating companies and have the chance to introduce yourself in person, gain a first impression and get some information about individual career prospects.

Our accompanying booklet for the jobvector career day will present you all participating companies. It is available as download before the fair and will also be distributed at the fair.

Veranstalter/
Organizer jobvector
Kölner Landstr. 40
D-40591 Düsseldorf

Sprache/
Language Deutsch/German or Englisch/English

Teilnahme/
Participation Teilnahme kostenfrei in Verbindung mit einer Messeeintrittskarte.
Participation free of charge to BIOTECHNICA ticket holders.

Kontakt/
Contact Dr. Martina Sribar
Telefon: +49 211 301384-08
Fax: +49 211 301384-18
E-mail: martina.sribar@jobvector.com

PROGRAM & EVENT GUIDES

2nd Annual



Bio-IT World
EUROPE CONFERENCE
& EXPO 2010

Pages B2-B10



Second Annual

PEGS EUROPE

Protein & Antibody Engineering Summit

Pages P11-P20



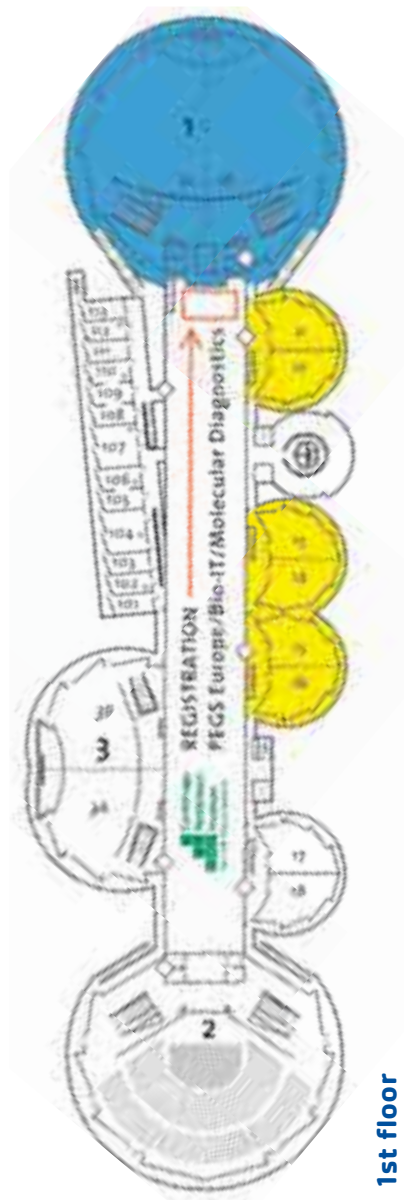
MOLECULAR DIAGNOSTICS
EUROPE

Pages M21-M29

Bio-IT World

EUROPE CONFERENCE & EXPO 2010

5-7 October 2010 • Exhibition Grounds • Hannover, Germany



5-6 October



IT Infrastructure & Informatics:
Data Storage, Analysis and Visualization



NGS Data Management:
Sequencing Systems, Storage, and Analysis

6-7 October



IT Infrastructure & Informatics:
Collaborative Software, Standards & Web Technologies



Data Integration & Knowledge Management

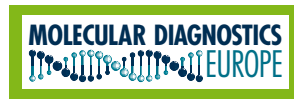
Premier Sponsors:



Corporate Sponsors:



Corporate Support Sponsors:



Organized & Managed by:

Cambridge Healthtech Institute
250 First Avenue, Suite 300
Needham, MA 02494 USA
Phone: +1 781.972.5400
Fax: +1 781.972.5425
Email: chit@healthtech.com
www.healthtech.com

Held in Conjunction with

BIO TECHNICA
Europe's No.1 Event
in Biotechnology and
Life Sciences

Bio-IT World Europe CONFERENCE-AT-A-GLANCE

Monday, 4 October		
8:20-9:30	Pre-Conference Short Course Registration (separate registration required)	Convention Center in front of Room 1
10:00-13:30	Short Course 1 Making Sense of Next-Gen Sequencing Data	Location: Room 13
14:00-17:00	Short Course 2 Creating Synergy – Introduction to Biomedical Data Fusion	Location: Room Dresden
14:00-17:00	Short Course 3 Cloud Computing for Life Sciences	Location: Room 13
14:00-17:00	Short Course 4 Visualization of Large-Scale Biological Data	Location: Room 14
16:00-18:30	Conference Registration	Convention Center in front of Room 1
18:30	Biotechnica Opening and European Award Ceremony plus Reception	Room 1

Tuesday, 5 October		
Track 1: IT Infrastructure & Informatics: Data Storage, Analysis & Visualization	Track 2: NGS Data Management: Sequencing Systems, Storage & Analysis	Location: Room 13/14
Conference Registration Convention Center in front of Room 1		
9:30-10:35	Large Scale Data Storage, Retrieval and Accessibility – Leading EU Centers	Room 13/14
10:35-11:00	Coffee Break	Sponsored by Outside Session Room
11:00-12:30	Large Scale Data Storage, Retrieval and Accessibility – Leading EU Centers	Room 13/14
12:30-14:20	Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion across from Catering. iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.	
14:30-15:35	Storage: Solutions for Massive Sequencing Data Managements	Room 13/14
15:35-16:00	Refreshment Break	Outside Session Room
16:00-18:15	Storage: Solutions for Massive Sequencing Data Management	Room 13/14
18:15-19:15	Interactive Breakout Discussion Groups	Room 11/12
19:15-21:00	Cambridge Healthtech Institute (CHI) Networking Dinner Reception	Sponsored by Location: Foyer

Wednesday, 6 October		
9:30-10:35	Imaging Solutions in Drug R&D: Data Analysis, Implementation, Standards and Quality	Room 13/14
10:35-11:00	Coffee Break	Sponsored by Outside Session Room
11:00-12:30	Keynote Presentations - IT & Informatics in Support of Drug Discovery	Room 13/14
12:30-13:45	Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion across from Catering. iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.	
13:45	Close of Conference	
Track 3: IT Infrastructure & Informatics: Collaborative Software, Standards & Web Technologies	Track 4: Data Integration & Knowledge Management	Location: Room 13/14
Conference Registration Convention Center in front of Room 1		
13:00-14:00	Data Integration and Collaboration	Room Bonn
14:00-15:35	Data Integration and Collaboration	Room Bonn
15:35-16:00	Refreshment Break	Outside Session Room
16:00-17:30	Case Studies of Open Collaborations and Open Source Software	Room 13/14
18:30-21:00	BIOTECHNICA Night! Traditional Bavarian Beer Hall, dinner reception, live band playing popular music from U.S.	Location: Münchner Hall

Thursday, 7 October		
9:30-10:35	Implementing Standards to Reach Process Efficiency and Interoperability – Metadata and Beyond	Room 13/14
10:35-11:00	Coffee Break	Outside Session Room
11:00-12:30	Ontologies and State-of-the-Art Web Technologies: Bring the Knowledge to the User	Room 13/14
12:30-14:20	Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion across from Catering. iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.	
14:30-15:35	Ontologies and State-of-the-Art Web Technologies: Bring the Knowledge to the User	Room 13/14
15:35-16:00	Refreshment Break	Outside Session Room
16:00-17:30	Ontologies and State-of-the-Art Web Technologies: Bring the Knowledge to the User	Room 13/14
17:30	Close of Conference	

BioITWorld EUROPE & EXPO 2010 Quick Reference to Locations for Sessions, Exhibits & Posters, and Receptions

Bio-IT World Europe		PEGS Europe		Molecular Diagnostics Europe	
Conference Registration: Front of Room 1					
MONDAY, 4 OCTOBER COURSES					
Next-Gen Sequencing Data	Room 13	Protein Aggregation	Room 16	Micro- and Nanofluidics	Room Berlin
Biomedical Data Fusion	Room Dresden			Biomedical Data Fusion	Room Dresden
Cloud Computing	Room 13			Trends in Microfluidics	Room Berlin
Visualization of Omics Data	Room 14				

Coffee & Refreshment Breaks: Outside Session Room
 Exhibit & Poster Viewing Hall 9 (CHI Pavilion which is across from the Catering area)
 BIOTECHNICA Opening Reception & Award Ceremony Located in Room 1

TUESDAY, 5 OCTOBER SESSIONS					
Track 1	Room 13/14	Track 1	Room 1A	Track 1	Room Dresden
Track 2	Room 15/16	Track 2	Room 1B	Track 2	Room Berlin
Breakout Discussion Groups	Rooms 11 & 12	Breakout Discussion Groups	Rear of Rooms 1A & 1B	Breakout Discussion Groups	Room Bonn

Coffee & Refreshment Breaks: Outside Session Room
 Exhibit & Poster Viewing Hall 9 (CHI Pavilion which is across from the Catering area)
 CHI Reception Located in the Foyer

WEDNESDAY, 6 OCTOBER SESSIONS					
Track 1	Room 13/14	Track 1 & 3	Room 1A	Track 1 & 2	Room Bonn
Track 2	Room Bonn	Track 2 & 4	Room 1B	Track 3	Room Dresden
Track 3	Room 13/14				
Track 4	Room 15/16				

Coffee & Refreshment Breaks: Outside Session Room
 Exhibit & Poster Viewing Hall 9 (CHI Pavilion which is across from the Catering area)
 BIOTECHNICA Night! Traditional Bavarian Beer Hall, dinner reception, live band playing popular music from U.S. Location: Münchner Hall

THURSDAY, 7 OCTOBER SESSIONS					
Track 3	Room 13/14	Track 3	Room 1A	Track 3	Room Dresden
Track 4	Room 15/16	Track 4	Room 1B		

Coffee & Refreshment Breaks: Outside Session Room
 Exhibit & Poster Viewing Hall 9 (CHI Pavilion which is across from the Catering area)

About Cambridge Healthtech Institute - Your Life Science Network

Founded in 1992, Cambridge Healthtech Institute (CHI) strives to develop quality information sources that provide valuable new insights and competing points of view while offering balanced coverage of the latest developments in the life sciences industry. Basic research related to commercial implications is covered, with heavy emphasis placed on end-user insights into new products and technology as well as coverage of the strategy behind the business.

Cambridge Healthtech Institute (CHI) is the preeminent life science network for leading researchers and business experts from top pharmaceutical, biotech, and academic organizations. CHI's integrated portfolio of products and services includes Cambridge Healthtech Institute Conferences, the Pharmaceutical Strategy Series, Insight Pharma Reports, Cambridge Marketing Consultants, Cambridge Meeting Planners, and Cambridge Healthtech's Media Group, which includes numerous eNewsletters, Bio-IT World magazine, as well as Lead Generation Programs.

For a comprehensive listing and detailed information, visit the following web sites:

- Cambridge Healthtech Institute Conferences: www.healthtech.com
- Barnett International: www.barnettinternational.com
- Cambridge Healthtech Associates: www.chacorporate.com
- Insight Pharma Reports: www.insightpharmareports.com
- CHI's Marketing Services: <http://proservices.healthtech.com>
- Cambridge Meeting Planners: <http://proservices.healthtech.com>
- Cambridge Healthtech Media Group: www.chimedialogroup.com

Exclusive BioITWorld Conference & Expo Europe

Follow us on [Twitter #BioIT10](https://twitter.com/BioIT10)

2010 Sponsor:



ABOUT BioITWorld

Bio-IT World (www.bio-itworld.com), the flagship publication of Cambridge Healthtech Institute (CHI), is the leading source of news on technology and strategic innovation in drug discovery, development and clinical trials. Bio-IT World's focus is increasingly one that explores the tools and results of "predictive biology" - as the industry adapts to the new world of "personalized medicine." Bio-IT World has won 34 national and regional awards, more than any other magazine covering the life sciences industry. Bio-IT World, part of Cambridge Healthtech Media Group—a division of CHI—also produces a comprehensive, continually updated website, topic-specific briefings, white papers, webcasts, podcasts, conferences, and the Bio-IT World Best Practices Awards. Established in 2001, the magazine is based in Needham, Massachusetts in the U.S.

Track 1

IT Infrastructure & Informatics:

Data Storage, Analysis and Visualization
Location: Room 13/14



Track 2

NGS Data Management:
Sequencing Systems, Storage, and Analysis

Location: Room 15/16



9:00 Conference Registration and Morning Coffee

LARGE SCALE DATA STORAGE, RETRIEVAL AND ACCESSIBILITY – LEADING EU CENTERS

9:30 Chairperson's Remarks Sponsored by
Derek Burke, Director, International Marketing, Panasas

9:35 Next-Generation Sequencing Data: Next-Generation Management Problems
Guy Coates, Ph.D., Informatics System Group, The Wellcome Trust Sanger

10:05 Keeping Pace—Scalable IT Infrastructures to Support Data Intensive Science
Rupert Lueck, Ph.D., Head, IT Services, EMBL Heidelberg

INFORMATICS: MEETING THE CHALLENGE OF TURNING NGS DATA INTO KNOWLEDGE

9:30 Chairperson's Remarks
9:35 Into the Unknown: Expression Profiling without Genome Sequence Information by Next-Generation Sequencing
Fabian Birzele, Ph.D., Genomics, Boehringer Ingelheim Pharma, GmbH & Co. KG

10:05 Iterative Read Mapping and Assembly Allows the Use of a More Distant Reference in Metagenome Assembly
Bas E. Dutilh, Ph.D., Centre for Molecular and Biomolecular Informatics, Nijmegen Center for Molecular Life Sciences, Radboud University Nijmegen Medical Center

10:35 Coffee Break

Sponsored by SCYNEXIS

11:00 Omics Data - Serving Sequencing at the National Level
Francois Artiguenave, Ph.D., Head, Bioinformatics Laboratory, Genoscope

11:30 Speaker to be Announced

12:00 Data Management Challenges in Translational Collaborative Research and Clinical Care at Erasmus MC Sponsored by hp
*Bert Eussen, Clinical Genetics, Erasmus MC
Peter Walgemoed, Director, Carelliance*

11:00 Utilizing Next-Generation Sequencing to Analyze the Complex Genome of Barley
Burkhard Steuernagel, Department of Cytogenetics and Genome Analysis, Leibniz Institute of Plant Genetics and Crop Plant Research (IPK)

11:30 Fully Automated Genome Annotation with Deep RNA Sequencing
Gunnar Rättsch, Ph.D., Group Leader, Friedrich Miescher Laboratory, Max Planck Society

12:00 Next Gen Data Management for Next Gen Life Sciences Sponsored by Quantum
Roberto Fabbretti, Ph.D., IT Manager, Swiss Institute of Bioinformatics

12:15 Avadis NGS – Next-Gen Sequencing Analysis for the Rest of Us Sponsored by Strand
Thon de Boer, Ph.D., Director, Product Management, Software, Strand Scientific Intelligence, Inc.

12:30-14:20 Dedicated Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion & Posters across from Catering.



iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.

Track 1

IT Infrastructure & Informatics:

Data Storage, Analysis and Visualization
Location: Room 13/14



Track 2

NGS Data Management:
Sequencing Systems, Storage, and Analysis

Location: Room 15/16



STORAGE: SOLUTIONS FOR MASSIVE SEQUENCING DATA MANAGEMENT

14:30 Chairperson's Remarks
14:35 Featured Presentation: Sequencing Data Storage Sponsored by BIOTEAM
Chris Dagdigan, Founding Partner & Director, Technology, BioTeam, Inc.

15:05 Experiences from the European Bioinformatics Institute's Data Resources, Storage, and Management
Guy Cochrane, Ph.D., European Nucleotide Archive Team Leader, Bioinformatics Institute

15:35 Refreshment Break

16:00 How Scale-out Requirements in Life Sciences are Making Obsolete RAID, LUNs, Volumes and the Rest of the Traditional Storage Model Sponsored by ISILON
Rob Anderson, Director, Technology & Business Development, EMEA

16:30 How to Overcome the 100 Miles Between Petabytes and Petabytes
Jürgen Eils, Bioinformatics Database Group Leader, German Cancer Research Center

17:00 Enhanced Scalability, Large Data Volumes Management, Integrated Analysis, and NGS Informatics Support in a Medical Setting
Andrew Stubbs, Ph.D., Assistant Professor, Department of Bioinformatics, Erasmus Medical Center

17:30 The First Success Stories after the Swedish Buildup of Computational Power and Large-Scale Storage for Gene-Sequence Data
Ingela Nystrom, Ph.D., Director, UPPMAX, Center for Image Analysis, Uppsala University

STORAGE: SOLUTIONS FOR MASSIVE SEQUENCING DATA MANAGEMENT

14:30 Chairperson's Remarks
14:35 Featured Presentation: Sequencing Data Storage Sponsored by BIOTEAM
Chris Dagdigan, Founding Partner & Director, Technology, BioTeam, Inc.

15:05 Experiences from the European Bioinformatics Institute's Data Resources, Storage, and Management
Guy Cochrane, Ph.D., European Nucleotide Archive Team Leader, Bioinformatics Institute

16:00 How Scale-out Requirements in Life Sciences are Making Obsolete RAID, LUNs, Volumes and the Rest of the Traditional Storage Model Sponsored by ISILON
Rob Anderson, Director, Technology & Business Development, EMEA

16:30 How to Overcome the 100 Miles Between Petabytes and Petabytes
Jürgen Eils, Bioinformatics Database Group Leader, German Cancer Research Center

17:00 Enhanced Scalability, Large Data Volumes Management, Integrated Analysis, and NGS Informatics Support in a Medical Setting
Andrew Stubbs, Ph.D., Assistant Professor, Department of Bioinformatics, Erasmus Medical Center

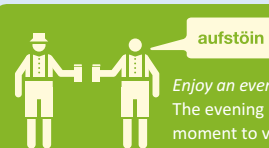
17:30 The First Success Stories after the Swedish Buildup of Computational Power and Large-Scale Storage for Gene-Sequence Data
Ingela Nystrom, Ph.D., Director, UPPMAX, Center for Image Analysis, Uppsala University

18:15 Interactive Breakout Discussion Groups Location: Room 11/12

- 1. Repositories of Metagenomic Data and Tools for Academic and Commercial Users**
Moderator: Oleg Reva, Ph.D., Senior Lecturer, Biochemistry, University of Pretoria
- 2. Storage of Omic Data - The Cloud & Beyond**
Moderator: Chris Dagdigan, Founding Partner & Director of Technology, BioTeam, Inc.
- 3. Web Services**
Moderator: Christian Hauck, Ph.D., Knowledge Management & Competitive Intelligence, Novartis Pharma AG

- 4. Analyzing and Storing Gene Sequence Data**
Moderator: Ingela Nystrom, Ph.D., Director, UPPMAX, Center for Image Analysis, Uppsala University
- 5. Semantic Web and Ontologies**
Moderator: Martin Gollery, Senior Bioinformatics Scientist, Tahoe Informatics

19:15 CHI Networking Dinner Reception Location: Foyer



aufstörn

Tuesday, 5 October - Foyer
19:15-21:00 CHI Networking Dinner Reception

Enjoy an evening with your colleagues and discover the world of German cuisine. The evening includes a full-dinner reception and cocktails. While there, take a moment to visit the reception sponsor tables to learn about their products.

Sponsored by BIOTEAM ISILON

Track 1

IT Infrastructure & Informatics:

Data Storage, Analysis and Visualization
Location: Room 13/14



Track 2

NGS Data Management:
Sequencing Systems, Storage, and Analysis

Location: Room Bonn



9:00 Conference Registration and Morning Coffee

IMAGING SOLUTIONS IN DRUG R&D: DATA ANALYSIS, IMPLEMENTATION, STANDARDS AND QUALITY

9:30 Chairperson's Remarks

Yuriy Gankin, Ph.D., Chief Scientific Officer, GGA Software Services LLC



9:35 Implementation & Use of PHAEDRA, a Standards-Based System for High-Content Image Analysis and Evaluation

Frans Cornelissen, IT Manager, Janssen Pharmaceutical

9:55 Lessons Learned in Imaging Informatics for Drug Discovery

Gudrun Zahlmann, Ph.D., Manager, Imaging Infrastructure, pRED, F. Hoffman-La Roche Ltd.

10:15 Quantitative Image Analysis Tools for Biological Research

Ewert Bengtsson, Ph.D., Professor, Center for Image Analysis, Uppsala University

SEQUENCING DATA: PROVIDES A PROMISING TOOL FOR MOLECULAR DIAGNOSTICS

9:30 Chairperson's Remarks

Kevin Davies, Ph.D., Editor-in-Chief, Bio-IT World



PLENARY KEYNOTES

9:35 Applications of Next-Generation Sequencing in an Academic Medical Hospital: From Single Molecules to a Complete Female Genome

Marjolein Kriek, M.D., Ph.D., Clinical Geneticist, Human & Clinical Genetics, Leiden University Medical Center, The Netherlands

10:05 Drivers, Challenges and Opportunities to Bring Diagnostics Closer to the Points of Need

Rudi Pauwels, Ph.D., Founding Director & CEO, Biocartis

10:35 Coffee Break

Sponsored by



11:00 Machine Intelligence can Improve the Quality of Drug and siRNA Screens

Peter Horvath, Ph.D., Head, Image Analysis, Light Microscopy Centre, ETH Zurich

11:00 Pioneering Personalized Healthcare through Pharma Partnering: A Case Study in Companion Diagnostic Co-Development

Stephen Little, Ph.D., Vice President, Personalized Healthcare, QIAGEN



11:30 Bringing Next-Generation Sequencing to the Clinic

Linh Hoang, M.D., Ph.D., Director, Genomic Medicine, LIFE Technologies, United States

12:00 PANEL DISCUSSION

Moderator: Kevin Davies, Ph.D., Editor-in-Chief, Bio-IT World

- Marjolein Kriek, Leiden University Medical Center
- Rudi Pauwels, Biocartis
- Stephen Little, Qiagen
- Linh Hoang, LIFE Technologies

KEYNOTE PRESENTATIONS: IT & INFORMATICS IN SUPPORT OF DRUG DISCOVERY

11:30 Next-Generation Interfaces and Interaction with Complex Information Landscapes

Bryn Roberts, Ph.D., Global Head, Informatics, Pharma Research and Early Development, F. Hoffmann-La Roche AG

12:00 Informatics for Data Driven Drug Discovery: How to Win the "War" against Data Complexity and Silos

Jacob deVlieg, Ph.D., Professor & Global Head, Molecular Design and Informatics, Merck

12:30-13:45 Dedicated Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion & Posters across from Catering.



iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.

13:45 Close of Conference

13:45 Close of Conference

Track 3

IT Infrastructure & Informatics:

Collaborative Software, Standards & Web Technologies

Location: Room Bonn



Track 4

Data Integration & Knowledge Management

Location: Room Bonn



DATA INTEGRATION AND COLLABORATION: TEARING DOWN THE WALLS BETWEEN THE KNOWLEDGE SILOS IN THE PHARMACEUTICAL INDUSTRY

14:00 Chairperson's Remarks

14:05 Knowledge Engineering: Integrating the External with the Internal

Ian Dix, Ph.D., Capability Lead for Knowledge Engineering & Information Science, Discovery Information, AstraZeneca

14:35 The Reality of Web Services in the Life Sciences

Carole Goble, Professor of Computer Science, University of Manchester

15:05 The New Information Landscape: Towards a New Logic and Practice to Enhance Interoperability and Collaboration in Life Science

Mats Sundgren, Ph.D., Principal Scientist, Global Clinical Development, AstraZeneca R&D

15:35 Refreshment Break

CASE STUDIES OF OPEN COLLABORATIONS AND OPEN SOURCE SOFTWARE

Location: Room 13/14

16:00 A Scientific Platform for Enhancing Research and Development Productivity and Innovation



Robert Brown, Ph.D., Senior Director, Life Sciences, Accelrys Inc.

16:30 Collaborative Development of a Registration System for Biologics

Jeremy Packer, Ph.D., Head, Bioinformatics, Abbott

17:00 Building Tools for Collaborative and Open Projects in Biology

Lars Jorgensen, Senior Scientific Manager, Production Software, Sequencing Informatics, The Wellcome Trust Sanger Institute

17:30 Close of Day

DATA INTEGRATION AND COLLABORATION: TEARING DOWN THE WALLS BETWEEN THE KNOWLEDGE SILOS IN THE PHARMACEUTICAL INDUSTRY

14:00 Chairperson's Remarks

14:05 Knowledge Engineering: Integrating the External with the Internal

Ian Dix, Ph.D., Capability Lead for Knowledge Engineering & Information Science, Discovery Information, AstraZeneca

14:35 The Reality of Web Services in the Life Sciences

Carole Goble, Professor of Computer Science, University of Manchester

15:05 The New Information Landscape: Towards a New Logic and Practice to Enhance Interoperability and Collaboration in Life Science

Mats Sundgren, Ph.D., Principal Scientist, Global Clinical Development, AstraZeneca R&D

KNOWLEDGE MANAGEMENT FOR TARGET DISCOVERY: ENHANCING BIOLOGICAL KNOWLEDGE BY UTILIZING LARGE SCALE DATASETS

Location: Room 15/16

16:00 The Unforeseen Consequences of Opportunistic Deuterated Drug Claims, Patent Extraction Feeds and the PubChem Chemistry Rules

Christopher Southan, Ph.D., Knowledge Engineering, ChrisDS Consulting

16:30 Novel Knowledge Integration Approaches to Mining Genome-Wide Data Sets

Mario Albrecht, Ph.D., Research Group Leader, Computational Biology and Applied Algorithmics, Max Planck Institute for Informatics

17:00 In silico Target Discovery Based on Flexible Pipelining and Meta-Analysis

James Cai, M.D., Head, Biomedical Informatics, Pharma Research & Early Development (pRED) Informatics, Hoffmann-La Roche

17:30 Close of Day



18:30 – 21:00 BIOTECHNICA Night! Traditional Bavarian Beer Hall, dinner reception, live band playing popular music from U.S. Location: Münchner Hall

(Please register to reserve your complimentary ticket ahead of time. No tickets will be available on site.)

IT Infrastructure & Informatics:

Collaborative Software, Standards & Web Technologies

Location: Room 13/14



Data Integration & Knowledge Management

Location: Room 15/16



9:00 Conference Registration and Morning Coffee

IMPLEMENTING STANDARDS TO REACH PROCESS EFFICIENCY AND INTEROPERABILITY – METADATA AND BEYOND

9:30 Chairperson's Remarks

9:35 MIBBI: Minimum Reporting Guidelines for Bioscientists

Chris Taylor, Ph.D., Senior Technical Officer, The European Bioinformatics Institute

10:05 Is the Cloud the Panacea for Process Efficiency? The Elastic-R Case Study

Karim Chine, Director, Cloud Era Ltd.

TRANSLATIONAL INFORMATICS: KNOWLEDGE FERTILIZATION BETWEEN BENCH AND BEDSIDE

9:30 Chairperson's Remarks

9:35 Managing Change Across Interdisciplinary Scientific Integration

Paul Konstant, Manager, Informatics Center of Excellence, Janssen Pharmaceutical Companies of Johnson & Johnson

10:05 Integrating Clinical and Molecular Data: CASI Project

Thomas Gan, Application Services Senior Analyst, IT, Merck Research Labs

10:35 Coffee Break

11:00 Now-Generation Data Transport Technology for Life Sciences: Keeping Pace with Innovation

Xingzhe Fan, Ph.D., Research Scientist, Aspera, Inc.

11:30 iSee - Dissemination of Structural Biology Data to the Masses

Brian Marsden, Ph.D., P.I., Research Informatics, Structural Genomics Consortium, University of Oxford

ONTOLOGIES AND STATE-OF-THE-ART WEB TECHNOLOGIES

12:00 Semantic Data Integration for Translational Research in Neuroscience

Rudi Verbeeck, Ph.D., Program Manager, Informatics Center of Excellence, Janssen Pharmaceutical Companies of Johnson & Johnson

Sponsored by
 aspera

11:00 Understanding the Business Value of Dynamic Data Aggregation in Life Sciences Manufacturing and Process Development

Joe Rothman, Vice President, Engineering and Professional Services, Aegis Analytical Corporation

11:30 Visualization and Statistical Pharmacovigilance Methods Using Informatics for Integrating Biology and the Bedside (i2b2)

Shawn Murphy, M.D., Assistant Professor, Neurology, Harvard Medical School; Medical Director of Research Computing, Information Services, Partners Healthcare Inc.

12:00 Translational Drug Discovery and Development: An Expedition of Data Integration and Utilization from Preclinical to Clinical

Dongzhou (Jeffery) Liu, Ph.D., Principal Clinical Investigator/ Core Project Leader, Medical Affairs/Clinical Development, GlaxoSmithKline

Sponsored by
 aegis

12:30-14:20 Dedicated Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion & Posters across from Catering.



iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.

IT Infrastructure & Informatics:

Collaborative Software, Standards & Web Technologies

Location: Room 13/14



Data Integration & Knowledge Management

Location: Room 15/16



ONTOLOGIES AND STATE-OF-THE-ART WEB TECHNOLOGIES (continued)

14:30 Chairperson's Remarks

14:35 Keeping Track of Data and What the Data are About: An Exploration in Realism-Based Ontology for Translational Research

Werner Ceusters, Ph.D., Director, Ontology Research Group, NYS Center of Excellence in Bioinformatics & Life Sciences

15:05 Shared Molecular Network Models of Unrelated Diseasomes - Unraveling the Conundrum of Network Medicine

Reena Gollapudy, Ph.D., Lead Consultant, IHL, Infosys Technologies Ltd.

ONTOLOGIES AND STATE-OF-THE-ART WEB TECHNOLOGIES

14:30 Chairperson's Remarks

14:35 Keeping Track of Data and What the Data are About: An Exploration in Realism-Based Ontology for Translational Research

Werner Ceusters, Ph.D., Director, Ontology Research Group, NYS Center of Excellence in Bioinformatics & Life Sciences

15:05 Shared Molecular Network Models of Unrelated Diseasomes - Unraveling the Conundrum of Network Medicine

Reena Gollapudy, Ph.D., Lead Consultant, IHL, Infosys Technologies Ltd.

15:35 Refreshment Break

16:00 How Can a "Normal End User" Become a Web Service Consumer?

Christian Hauck, Ph.D., Knowledge Management and Competitive Intelligence, Novartis Pharma AG

16:30 Efficient Web-Browsing for the Life Scientist

Reinhard Schneider, Ph.D., Team Leader, Structural and Computational Biology Unit, European Molecular Biology Laboratory (EMBL)

17:00 A Data Warehousing Approach for the Management of Clinical and Operational Information: Specific Challenges within Pharma Development

Norbert Fritz, Ph.D., Development Lead, Business Intelligence Warehouse, Information Management - Product Development Operations, F. Hoffmann-La Roche Ltd

17:30 Close of Conference

16:00 How Can a "Normal End User" Become a Web Service Consumer?

Christian Hauck, Ph.D., Knowledge Management and Competitive Intelligence, Novartis Pharma AG

16:30 Efficient Web-Browsing for the Life Scientist

Reinhard Schneider, Ph.D., Team Leader, Structural and Computational Biology Unit, European Molecular Biology Laboratory (EMBL)

17:00 A Data Warehousing Approach for the Management of Clinical and Operational Information: Specific Challenges within Pharma Development

Norbert Fritz, Ph.D., Development Lead, Business Intelligence Warehouse, Information Management - Product Development Operations, F. Hoffmann-La Roche Ltd

17:30 Close of Conference



Poster Presenters

Presenting Tuesday, 5 October - Thursday, 7 October

Austrian Institute of Technology

101. Silvia Fluch; Kornel Burg; and Dieter Kopecky: Next Generation Sequencing (NGS) in Non-Model Species - Challenges and Obstacles

BioWisdom Ltd.

102. Daniel Damian; Paul Bradley; and Jane Z. Reed: The Power of Metadata

European Bioinformatics Institute

103. UniProt Consortium and Ricardo Antunes: Automated Functional Prediction of Non-Characterized Biological Data

104. Mickael Goujon; Hamish McWilliam; Franck Valentin; Silvano Squizzato; Juri Paern; Rodrigo Lopez; and Weizhong Li: A New Bioinformatics Analysis Tools Framework at EMBL-EBI

105. UniProt Consortium and Jie Luo: Biological Data Integration and Import Framework for Protein Sequence Databases

German Cancer Research Center (DKFZ)

106. J. Eils; V. Ast; M. Höhl; Roland Eils; and Christian Lawrenz: Data Integration in Systems Biology

Ingenuity Systems

107. Adam Corner: Analysis of Molecular Profiling Data to Understand Mechanisms of Disease, Targets and Biomarkers

Max Planck Institute for Biophysical Chemistry

108. Florian Odronitz; Marcel Hellkamp; Martin Kollmar; and Björn Hammesfahr: CyMoBase - The Reference Database for Cytoskeletal and Motor Proteins

109. Oliver Keller; Björn Hammesfahr; Holger Pillmann; Stephan Waack; Martin Kollmar; and Klas Hatje: WebScipio: A Web Tool for Gene Structure Prediction

National Institute of Biology

110. Björn Usadel; Matjaž Hren; Špela Baebler; Kristina Gruden; and Ana Rotter: Visualization of Transcriptomics Data in Metabolic Pathways: Extending the MapMan Ontology to Grape and Potato

Optibrium Ltd.

111. Matt Segall and Christopher Leeding: Guiding Focused Design of Potent Leads with Improved Metabolic Stability

University of Pretoria

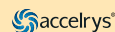
112. Oleg Reva: SeqWord MetaLingo Program for Clustering and Binning Metagenomic Sequences

Aspera, Inc.
5900 Hollis Street, Suite E
Emeryville, CA 94608 USA
www.asperasoft.com



Aspera is the creator of next-generation transport technologies that move the world's largest data sets at maximum speed regardless of file size, transfer distance and network conditions. Aspera's core technology delivers unprecedented control over bandwidth, complete security and uncompromising reliability. About one thousand organizations across a variety of industries rely on Aspera for the critical transport of their data.

Accelrys
10188 Telesis Court, Suite 100
San Diego, CA 92121 USA
www.accelrys.com



Accelrys develops and commercializes scientific business intelligence software and solutions that help accelerate science for clients in the Life Sciences, Energy, Chemicals, Aerospace, and Consumer Packaged Goods industries. Our solutions are used by biologists, chemists, materials scientists, IT and business professionals to aggregate, analyze, simulate, and visualize scientific data.

Aegis Analytical Corporation
1380 Forest Park Circle, Suite 200
Lafayette, CO 80026 USA
www.aegiscorp.com



Aegis provides Manufacturing Intelligence solutions that drive a lean supply chain and accelerate revenue with a proven approach to data access, aggregation and analytics. Leading life science manufacturers increase profits by using the company's enterprise-class software platform, Discoverant®, to improve process predictability, quality and yield and accelerate technology transfer.

**Applied Biosystems Inc./
Life Technologies**
www.appliedbiosystems.com



The Applied Biosystems brand is a global leader in providing innovative, optimized instrument systems and workflows to accelerate academic and clinical research, drug discovery and development, pathogen detection and forensic DNA analysis. Through its Applied Biosystems and Invitrogen brand of reagents, kits and bench-top devices, Life Technologies markets the most comprehensive portfolio of solutions for molecular and cell biology. Life Technologies (www.lifetech.com) is a global biotechnology tools company dedicated to improving the human condition. Our systems, consumables and services enable researchers to accelerate scientific exploration, driving to discoveries and developments that make life even better.

BioTeam Inc.
7 Derosier Drive
Middleton, MA 01949 USA
www.bioteam.net



As a high-performance consulting practice, BioTeam delivers solutions to address the IT, storage, and data management challenges faced by scientists adopting next-generation sequencing technologies. We are dedicated to delivering objective, technology agnostic solutions to the life science researchers. From objective counsel to hands-on implementation, BioTeam enables science by bringing together technologies that turn research into results.

GGA Software Services LLC
One Mifflin Place
Cambridge, MA 02138 USA
www.ggasoftware.com



Since 1994, GGA Software Services has offered world-class outsourced scientific informatics services to major pharmaceutical companies as well as early-stage life science firms. Leveraging its 400-person development facility in St. Petersburg, Russia, GGA provides superior software engineering, algorithm development, and data curation services in bioinformatics and cheminformatics.

Hewlett Packard
200 Forest Street
Marlborough, MA 01752 USA
www.hp.com/go/lifesciences



As a world-leading information technology company, HP applies new thinking and ideas to create more simple, valuable and trusted experiences with technology. Our focus is to continuously improve the way our customers live and work through technology products and services, form the individual consumer to the largest enterprise.

Isilon
3101 Western Avenue
Seattle, WA 98121 USA
www.isilon.com



Isilon Systems is the proven leader in scale-out NAS. Isilon's storage systems enable life science and bioinformatics organizations to easily and cost-effectively manage the deluge of data being produced by today's DNA sequencing platforms and other next-generation instruments.

Panasas, Inc.
7200 The Quorum
Oxford Business Park North
Garsington Road, Oxford OX4 2JZ
www.panasas.com



Panasas, Inc., the leader in high-performance scale-out NAS storage solutions, enables enterprise customers to rapidly solve complex computing problems, speed innovation and bring new products to market faster. All Panasas solutions leverage the patented PanFS™ storage operating system to deliver exceptional performance, scalability and manageability.

ity. Panasas systems are optimized for demanding storage environments in the energy, government, finance, manufacturing, bioscience and higher education industries.



QIAGEN GmbH
QIAGEN Strasse 1
40724 Hilden, Germany
www.qiagen.com

QIAGEN acquired DxS, in September 2009 to create a Center of Excellence in Companion Diagnostics. QIAGEN work with pharmaceutical companies to support development of targeted cancer therapies by providing biomarkers and companion diagnostics. QIAGEN's product portfolio includes real-time PCR and Pyrosequencing assays for K-RAS to identify colorectal cancer patients more likely to benefit from anti-EGFR therapies such as panitumumab and cetuximab, EGFR to aid doctors in selecting lung cancer patients suitable for treatment with tyrosine kinase inhibitors, B-RAF and P13K genes among others.

Quantum
141 Innovation Drive
Irvine, CA 92617 USA
www.quantum.com



Quantum StorNext enables you to run more research or clinical experiments and instantly share results across your entire research community. Proven at Swiss Institute of Bioinformatics and the Human Genome Sequencing Center at Baylor College, StorNext is an end-to-end data management software solution for your next generation life sciences technologies.

SCYNEXIS, Inc.
3501 C Tricenter Boulevard
Durham, NC 27713 USA
www.scynexis.com



SCYNEXIS, Inc. provides integrated, efficient and innovative drug discovery and development solutions to our global health and pharmaceutical partners. We have delivered eleven pre-clinical drug candidates over the last five years. Our HEOS® technology is a cloud-based drug research information management software that supports geographically distributed collaborations.

**Strand Scientific
Intelligence, Inc.**
548 Market Street, Suite 82804
San Francisco, CA 94104 USA
www.strandsi.com



Strand Scientific Intelligence, (Strand) is a privately held company that has pioneered the practice of Scientific Intelligence in life and health sciences. Strand's powerful computational algorithms combined with exceptional life and health sciences expertise have resulted in products and customized solutions that span the data integration and analysis, knowledge management, experimental, clinical, and pipeline decisions continuum in diverse scientific areas.

Second Annual
PEGS EUROPE
5-7 October 2010

Protein & Antibody Engineering Summit

Exhibition Grounds Hannover | Germany

5-6 October

Novel Antibody Constructs and Alternative Scaffolds

Protein Expression and Cell Line Development

6-7 October

Empowered Bispecific Antibodies

Difficult Protein Expression and Purification

KEYNOTE PRESENTERS:



Josefin-Beate Holz
Chief Medical Officer
Ablynx NV



Bernhardt L. Trout
Ph.D., Director, Novartis-MIT
Center for Continuous
Manufacturing



John Birch
Ph.D., Consultant

Thank You to Our Media Partners

Official Publication:



Sponsoring Organizations:



Sponsoring Publications:



Lead Sponsoring Publications:



Web Partners:



Premier Sponsor:



Corporate Sponsors:



Corporate Support Sponsors:



Aggregation
Analysis of
Therapeutic
Proteins



Malvern
www.malvern.com

MedImmune

Held in Conjunction with: Europe's No.1 Event in Biotechnology and Life Sciences

Organized & Managed by

Cambridge Healthtech Institute
250 First Avenue, Suite 300 • Needham, MA 02494 USA
T: 781.972.5400 • F: 781.972.5425 • Email: chi@healthtech.com
www.healthtech.com



PEGS EUROPE CONFERENCE-AT-A-GLANCE

Monday, 4 October

8:20-9:30	Pre-Conference Short Course Registration (separate registration required)	Convention Center in front of Room 1
14:00-17:00	Short Course 3: Protein Aggregation in Biopharmaceutical Products	Location: Room 16
16:00-18:30	Conference Registration	Convention Center in front of Room 1
18:30	Biotechnica Opening and European Award Ceremony plus Reception	Location: Room 1

Tuesday, 5 October

	TRACK 1: Novel Antibody Constructs and Alternative Scaffolds Location: Room 1A	TRACK 2: Protein Expression and Cell Line Development Location: Room 1B
9:00-9:30	Conference Registration Convention Center in front of Room 1	
9:30-10:35	Engineering the Fc Regions for Antigen Binding, Effector Function & Enhanced Half-Life Room 1A	Vectors, Tags, Chaperones, and Genes Room 1B
10:35-11:00	Coffee Break Sponsored by Outside Session Room	
11:00-12:30	Novel Delivery Products Room 1A	Vectors, Tags, Chaperones, and Genes Room 1B
12:30-14:20	Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion across from Catering. iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.	
14:30-15:35	Technologies that Select for Enhanced Half-Life & Stability Room 1A	Novel Hosts and Unique Platforms Room 1B
15:35-16:00	Refreshment Break Sponsored by Outside Session Room	
16:00-18:15	Focus on Screening & Selection of Drug Candidates for Specific Purposes Room 1A	Novel Hosts and Unique Platforms Room 1B
18:15-19:15	Interactive Breakout Discussion Groups Room 1A	Interactive Breakout Discussion Groups Room 1B
19:15-21:00	Cambridge Healthtech Institute (CHI) Networking Dinner Reception Sponsored by Location: Foyer	

Wednesday, 6 October

	TRACK 1: Novel Antibody Constructs and Alternative Scaffolds Location: Room 1A	TRACK 2: Protein Expression and Cell Line Development Location: Room 1B
9:30-10:35	Accessing Difficult to Reach Targets Room 1A	Mammalian Cell Expression Room 1B
10:35-11:00	Coffee Break Sponsored by Outside Session Room	
11:00-12:30	Focus on Affinity and Specificity Room 1A	Mammalian Cell Expression Room 1B
12:30-13:45	Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion across from Catering. iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.	
13:45	Close of Conference	
	TRACK 3: Empowered Bispecific Antibodies & Antibody-Drug Conjugates Location: Room 1A	TRACK 4: Difficult Protein Expression & Purification Location: Room 1B
13:00-14:00	Conference Registration Convention Center in front of Room 1	
14:00-15:35	Improving Targeting with Antibody-Drug Conjugates: Addressing Selectivity and Delivery Room 1A	Problem Protein Solutions Room 1B
15:35-16:00	Refreshment Break Sponsored by Outside Session Room	
16:00-17:30	Improving Targeting with Antibody-Drug Conjugates: Addressing Selectivity and Delivery Room 1A	Problem Protein Solutions Room 1B
18:30-21:00	BIOTECHNICA Night! Traditional Bavarian Beer Hall, dinner reception, live band playing popular music from U.S. Location: Münchner Hall	

Thursday, 7 October

	TRACK 3: Empowered Bispecific Antibodies & Antibody-Drug Conjugates Location: Room 1A	TRACK 4: Difficult Protein Expression & Purification Location: Room 1B
9:30-10:35	New Bispecific & Multi-Valent Constructs Room 1A	Automation and High-Throughput Room 1B
10:35-11:00	Coffee Break Sponsored by Outside Session Room	
11:00-12:30	New Bispecific & Multi-Valent Constructs Room 1A	Automation and High-Throughput Room 1B
12:30-14:20	Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion across from Catering. iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.	
14:30-15:35	Engineering for Enhanced Stability and Manufacturability of Proteins Room 1A	Unique Proteins – Unique Techniques Room 1B
15:35-16:30	Refreshment Break Outside Session Room	
16:00-17:30	Engineering for Enhanced Stability and Manufacturability of Proteins Room 1A	Polypeptide Expression Room 1B
17:30	Close of Conference	



Quick Reference to Locations for Sessions, Exhibits & Posters, and Receptions

Bio-IT World Europe	PEGS Europe	Molecular Diagnostics Europe
Conference Registration: Front of Room 1		
MONDAY, 4 OCTOBER COURSES		
Next-Gen Sequencing Data Room 13	Protein Aggregation Room 16	Micro- and Nanofluidics Room Berlin
Biomedical Data Fusion Room Dresden		Biomedical Data Fusion Room Dresden
Cloud Computing Room 13		Trends in Microfluidics Room Berlin
Visualization of Omics Data Room 14		
Coffee & Refreshment Breaks: Outside Session Room		
Exhibit & Poster Viewing Hall 9 (CHI Pavillion which is across from the Catering area)		
BIOTECHNICA Opening Reception & Award Ceremony Located in Room 1		
TUESDAY, 5 OCTOBER SESSIONS		
Track 1 Room 13/14	Track 1 Room 1A	Track 1 Room Dresden
Track 2 Room 15/16	Track 2 Room 1B	Track 2 Room Berlin
Breakout Discussion Groups Rooms 11 & 12	Breakout Discussion Groups Rear of Rooms 1A & 1B	Breakout Discussion Groups Room Bonn
Coffee & Refreshment Breaks: Outside Session Room		
Exhibit & Poster Viewing Hall 9 (CHI Pavillion which is across from the Catering area)		
CHI Reception Located in the Foyer		
WEDNESDAY, 6 OCTOBER SESSIONS		
Track 1 Room 13/14	Track 1 & 3 Room 1A	Track 1 & 2 Room Bonn
Track 2 Room Bonn	Track 2 & 4 Room 1B	Track 3 Room Dresden
Track 3 Room 13/14		
Track 4 Room 15/16		
Coffee & Refreshment Breaks: Outside Session Room		
Exhibit & Poster Viewing Hall 9 (CHI Pavillion which is across from the Catering area)		
BIOTECHNICA Night! Traditional Bavarian Beer Hall, dinner reception, live band playing popular music from U.S. Location: Münchner Hall		
THURSDAY, 7 OCTOBER SESSIONS		
Track 3 Room 13/14	Track 3 Room 1A	Track 3 Room Dresden
Track 4 Room 15/16	Track 4 Room 1B	
Coffee & Refreshment Breaks: Outside Session Room		
Exhibit & Poster Viewing Hall 9 (CHI Pavillion which is across from the Catering area)		
<h2>Poster Presenters</h2> <p>Presenting Tuesday, 5 October - Thursday, 7 October</p>		
<p>Affimed Therapeutics AG 201. Fabrice Le Gall; Stefan Knackmuss; Uwe Reusch; Melvyn Little; and <u>Erich Rajkovic</u>: <i>AFM13 – Bispecific Tetravalent TandAb for Treating Hodgkin Lymphoma</i></p> <p>Agilent Technologies 202. Andreas Rüfer; Christian Wenz; Marcus Gassmann; and <u>Susanne Glueck</u>: <i>Specific Detection of Proteins by Immunoprecipitation Combined with Highly Sensitive Protein Sizing on Microchips</i></p> <p>BioSilta Oy 203. K. Ukkonen; M. Krause; M. Bratz; D. Storm; C. Fuller; P. Neubauer; A. Vasala; and <u>Antje Neubauer</u>: <i>High Cell Density and Improved Yield of Soluble Protein in Shake Flask Cultures Can Be Achieved Using EnPresso™, a Novel Fed-Batch Cultivation Medium</i></p>	<p>Boehringer Ingelheim RCV GmbH & Co. KG 204. Elena Vasileva; Alexander Kern; Brigitte Schöner; Marlene Zandian; Matthias Berkemeyer; Gabriele Matschiner; Hans-Jürgen Christian; and <u>Gerd Margreiter</u>: <i>Manufacturing of an Anticalin® by Intracellular Soluble Expression in E. coli: A Case Study</i></p> <p>Celgene Corporation 205. Mahan Abbasian; Laurie Lebrun; and <u>Gilles Carmel</u>: <i>Expression and Purification of Spingosine Kinase, a Member of the Lipid Kinase Family</i></p> <p>Collectis bioresearch 206. Jean-Pierre Cabaniols; Emilie Dessez; Karim Mekideche; Christophe Delenda; and <u>Peter Steinhart</u>: <i>Targeted Transgene Integration in a CHO-S Hotspot for the Fast and Reproducible Production of High Protein Titrers</i></p>	

9:00 Conference Registration and Morning Coffee

Engineering the Fc Regions for Antigen Binding, Effector Function and Enhanced Half-Life

9:30 Chairperson's Remarks

Christian Heinis, Ph.D., Laboratory of Therapeutic Proteins and Peptides, Institute of Chemical Sciences and Engineering, Ecole Polytechnique Fédérale de Lausanne (EPFL)

9:35 Modular Antibodies: Introducing Antigen-Binding Sites in the Fc Region of IgG

Max Woisetschläger, Ph.D., Director, Target Biology, f-star

10:05 IL-17 Neutralizing Fynomers: Making Use of Fc Fusion Proteins

Dragan Grabulovski, Ph.D., Chief Scientific Officer, Covagen, A.G.

10:35 Coffee Break Sponsored by 

Novel Delivery Products

11:00 Exploiting the Biophysical Properties of Centyrins for Alternative Routes of Delivery

Steve Jacobs, Ph.D., Lead Scientist, Centyrex, a J&J RedScript Venture

11:30 Anticalins: A Differentiated Biologics Drug Class for Novel Delivery, Broad Target Space and New Modes of Action

Kristian H. Jensen, Ph.D., COO, Pieris AG

12:00 Glycan-Binding Decoy Proteins with Strong Anti-Inflammatory Activity Derived from the CellJammer® Platform Technology

Andreas Kungl, CSO, ProtAffin Biotechnologie AG



Vectors, Tags, Chaperones, and Genes

9:30 Chairperson's Remarks

Arnaud Poterszman, Ph.D., Research Director (CNRS), Structural Biology and Genomics, IGBMC-CERMB

9:35 KEYNOTE PRESENTATION

Protein Expression in Mammalian Cells: Past Perspective, Future Potential

John Birch, Ph.D., Consultant



10:05 A Novel Fusion System for Soluble Overexpression of Recombinant Proteins in Escherichia coli

Sofia Costa, Researcher, Biological Engineering, IBCEB, University of Minho

10:35 Coffee Break Sponsored by 

11:00 Production of Recombinant Human Multi-Protein Transcription Factor Complexes

Arnaud Poterszman, Ph.D., Research Director (CNRS), Structural Biology and Genomics, IGBMC-CERMB

11:30 Minicircles (MCs): Overcoming the Limitations of Transient Expression Systems

Juergen Bode, Ph.D., Professor, Medical School Hannover

12:00 How a Strong Expertise in Target Proteins Expression can Become an Added Value for Bioprocess Development

Hervé Ginisty, Ph.D., CSO, GTP Technology



12:15 From EnBase to EnPresso - Novel Instant Solutions Facilitate High Level Recombinant Protein and Plasmid Production

Peter Neubauer, Ph.D., Professor, Technische Universität Berlin, and Scientific Advisor, BioSilta Oy



12:30-14:20 Dedicated Exhibit & Poster Viewing Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion & Posters across from Catering.



iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.

PEGS Poster Presenters (continued) Presenting Tuesday, 5 October - Thursday, 7 October

Enzo Life Sciences, Inc.
207. Lijun Dai; Jack Coleman; Dee Shen; Praveen Pande; and Wayne F. Patton: Rapid Assessment of Protein Stability and Aggregation in Protein-Based Pharmaceuticals

Fraunhofer Institute for Cell Therapy and Immunology (IZI)
208. Nicolas Delarouque; Stefan Dübel; and Michael Szardenings: Improving the Selection from Phage Display Libraries

Friedrich-Alexander University of Erlangen-Nuremberg
209. Markus Kügler; Christoph Stein; Christian Kellner; Kristin Mentz; Domenica Saul; Michael Schwenkert; Ingo Schubert; Heiko Singer; Fuat Oduncu; Bernhard Stockmeyer; Andreas Mackensen; Wolfgang Hillen; and Georg H. Fey: A Recombinant Trispecific Single-Chain Fv Derivative Directed Against CD123 and CD33 Mediates Effective Elimination of Acute Myeloid Leukemia Cells by Dual Targeting

Georg-Speyer-Haus
210. Maria Hertje; Zhou Mingkui; Sascha Antoni; Markus Bickel; Jose Miguel Benito; Steffi Koch; Michael Hust; and Ursula Dietrich: Identification of HIV-Neutralizing Antibodies and Their Epitopes from HIV Controllers

Technologies that Select for Enhanced Half-Life and Stability

14:30 Chairperson's Remarks

Josefin-Beate Holz, Chief Medical Officer, Ablynx NV

14:35 From Clinical Imaging to Serum Half-Life Extension Using HER2-Specific Affibody Molecules

Fredrik Y. Frejd, Ph.D., Project Manager, Biotherapeutics, Affibody AB

15:05 PASylation: A Superior Technology to Extend the Plasma Half-Life of Therapeutic Proteins

Arne Skerra, Ph.D., CEO, XL-protein GmbH

15:35 Refreshment Break Sponsored by 

Focus on Screening and Selection of Drug Candidates for Specific Purposes

16:30 Tn3: A New Platform for Non-Antibody Protein Drugs

Manuel Baca, Ph.D., Principle Scientist, Antibody Discovery & Protein Engineering, MedImmune, Inc.

17:00 Generating A Best-in-Class DARPin Therapeutic for the Treatment of Ophthalmic Neovascularization Diseases

H. Kaspar Binz, Ph.D., Vice President Technology, Molecular Partners AG

17:30 Challenges in Domain Antibody Development

Thomas Sandal, Head, Microbial Process Research, GlaxoSmithKline Research & Development

18:15 Interactive Breakout Discussion Groups

1. Measures to Increase Half-Life of the Product

Moderator: Christian Heinis, Ph.D., Laboratory of Therapeutic Proteins and Peptides, Institute of Chemical Sciences and Engineering, Ecole Polytechnique Fédérale de Lausanne (EPFL)

2. How to Efficiently get to Lead Molecules: Measures and Methods

Moderator: H. Kaspar Binz, Ph.D., V.P. Technology, Molecular Partners AG

3. Antibodies Versus Alternative Scaffolds: Pros and Cons

Moderator: Arne Skerra, Ph.D., CEO, XL-protein GmbH

Novel Hosts and Unique Platforms

14:30 Chairperson's Remarks

Matthias Mack, Ph.D., Head, Institute for Technical Microbiology, Mannheim University of Applied Sciences

14:35 A High-Throughput Microtiter Plate-Based Screening Method for the Detection of Full-Length Recombinant Proteins

Matthias Mack, Ph.D., University of Applied Sciences

15:05 Robo-Lector – A Novel Platform for Automated High-Throughput Cultivations in Microtiter Plates with High Information Content

Frank Kensy, Managing Director, m2p-labs GmbH

15:35 Refreshment Break Sponsored by 

16:00 Boosting Secreted Expression of Biologics from Pichia Pastoris with Novel Tools and Technologies

Thomas Purkarthofer, Ph.D., Head of Business Development, VTU Technology GmbH

16:30 A Novel T7 RNA Polymerase-Dependent Expression System for High-Level Protein Production in the Phototrophic Bacterium Rhodospirillum rubrum

Thomas Drepper, Ph.D., Institute of Molecular Enzyme Technology (IMET), Heinrich-Heine-Universität Düsseldorf

17:00 Rapid Protein Quantification by Applying BioLayer Interferometry

Arnout Gerritsen, Director Assay & Bioanalytical Science, Genmab

17:30 Lactococcus lactis P170 Expression System: A Novel Secretion-Based Expression System for Production of Recombinant Proteins

Soeren Madsen, Ph.D., Group Leader, Bacterial Expression, Bioneer A/S

19:15  CHI Networking Dinner Reception Location: Foyer



Tuesday, 5 October - Foyer
19:15-21:00 CHI Networking Dinner Reception

Enjoy an evening with your colleagues and discover the world of German cuisine. The evening includes a full-dinner reception and cocktails. While there, take a moment to visit the reception sponsor tables to learn about their products.



Sponsored by

WEDNESDAY, 6 OCTOBER (Morning Sessions)

Track 1

Novel Antibody Constructs and Alternative Scaffolds

Location: Room 1A

Track 2

Protein Expression and Cell Line Development

Location: Room 1B

9:00 Conference Registration and Morning Coffee

Accessing Difficult to Reach Targets

9:30 Chairperson's Remarks

Thomas Sandal, Head, Microbial Process Research, GlaxoSmithKline Research & Development

9:35 KEYNOTE PRESENTATION:

Exploiting Nanobody® Advantages to Target Challenging Proteins: From Discovery to in vivo Proof-of-Concept for an Anti-GPCR Nanobody

Josefin-Beate Holz, Chief Medical Officer, Ablynx NV

10:05 Accelerating scFv Antibody Fragments for Topical Applications into the Clinic

David Urech, Ph.D., Head, Research & Development, ESBATech LLC, an ALCON Biomedical Research Unit

10:35 Coffee Break

Sponsored by **GYROS**

Focus on Affinity and Specificity

11:00 XTENylation Enables Long Half-Life and Maximum in vivo Potency via Precise Tuning of Drug-Target Affinity

Volker Schellenberger, Ph.D., Vice President, Drug Discovery, Amunix, Inc.

11:30 Bicyclic Peptides with Tailored Binding Specificities

Christian Heinis, Ph.D., Laboratory of Therapeutic Proteins and Peptides, Institute of Chemical Sciences and Engineering, Ecole Polytechnique Fédérale de Lausanne (EPFL)

12:00 ISMIP™ and SCORPION™ Proteins: Novel, Mono- or Multi-Specific Therapeutic Proteins for Oncology and Autoimmune Diseases

Kendall M. Mohler, Ph.D., Senior Vice President and Chief Scientific Officer, R&D, Trubion Pharmaceuticals, Inc.

12:30-13:45 Dedicated Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion & Posters across from Catering.



Mammalian Cell Expression

9:30 Chairperson's Remarks

Bernd Voedisch, Ph.D., Postdoctoral Researcher, Geisse Group, Novartis

9:35 Transient Expression in CHO Cells: A Balancing Act between Multiple Parameters

Bernd Voedisch, Ph.D., Postdoctoral Researcher, Geisse Group, Novartis

10:05 A Pipeline for the Production of Glycoproteins for Structural Biologics

Raymond Owens, Ph.D., Oxford Protein Production Facility, Wellcome Trust Centre for Human Genetics

Advances in Protein Science

11:00 CAP: A New Protein Production Platform based on Immortalized Human Amniocytes

Hartmut Tintrup, Ph.D., Director Marketing & Business Development, Cevec Pharmaceuticals GmbH

11:30 Pseudomonas for Protein Expression: Learning from Versatile Hosts

Frank Rosenau, Ph.D., Head, Microbial Expression Technology Group, Institute of Molecular Enzyme Technology, Heinrich-Heine-University Duesseldorf

12:00 Protein Aggregation Profile of the Bacterial Cytosol

Salvador Ventura, Ph.D., Group Leader, Institut de Biociencia, Universitat Autònoma de Barcelona

iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.

13:45 Close of Conference

13:45 Close of Conference

PEGS Poster Presenters (continued) Presenting Tuesday, 5 October - Thursday, 7 October

Georg-Speyer-Haus (continued)

211. Michael Hust; Ana-Rita Gongalves; Stefan Schilling; Hans-Dieter Brodt; Harald Kolmar; Dorotee von Laer; Stefan Kunz; Stefan Dübel; Ursula Dietrich; and **Nataliya Karpenko**: Selection of Lassa Fever Virus Specific Single Chain Fv Antibody Fragments by Phage Display

GlaxoSmithKline Biopharm R&D

212. Susannah Ford; Philippe Alard; Nadia Tournier; Paul Hamblin; Ian Kirby; and **Volker Germaschewski**: Structure-Based Re-Engineering of a Humanised Monoclonal Antibody Following Immunogenicity Assessment by an In Silico Prediction Method

WEDNESDAY, 6 OCTOBER (Afternoon Sessions)

Track 3

Empowered Bispecific Antibodies and Antibody-Drug Conjugates

Location: Room 1A

Track 4

Difficult Protein Expression and Purification

Location: Room 1B

Improving Targeting with Antibody-Drug Conjugates: Addressing Selectivity and Delivery

14:00 Chairperson's Remarks

Stefan Barth, Ph.D., Head, Department of Pharmaceutical Product Development, Fraunhofer IME

14:05 Recombinant Human Multi-Domain Fusion Proteins

Stefan Barth, Ph.D., Head, Department of Pharmaceutical Product Development, Fraunhofer IME

14:35 Antibodies-Conjugated Nanoparticles for Targeted Drug Delivery

Roland Kontermann, Ph.D., Professor, Biomedical Engineering, Institute of Cell Biology & Immunology, University of Stuttgart

15:05 Toxicity-Reducing Potential of Extracorporeal Affinity Adsorption Treatment in Combination with Empowered Antibodies in a Syngeneic Rat Tumor Model

Rune Nilsson, Ph.D., Associate Professor, Department of Oncology, Lund University

15:35 Coffee Break

Sponsored by **Crucell**

Selected Poster Presentations

16:00 A Recombinant Trispecific Single-Chain Fv Derivative Directed Against CD123 and CD33 Mediates Effective Elimination of Acute Myeloid Leukemia Cells by Dual Targeting

Georg H. Fey, Ph.D., Department of Biology, University of Erlangen-Nuremberg

16:15 Generation and In Vitro Characterization of Bispecific c-Met – HER1/HER2 Antibodies for the Treatment of Cancer

Raffaella Castoldi, Ph.D., Pharma Research and Early Development, Roche Diagnostics GmbH

16:30 Close of Day

Problem Protein Solutions

14:00 Chairperson's Remarks

Kenneth Lundstrom, Ph.D., CEO, PanTherapeutics

14:05 Cell-Free Production of Difficult Pharmaceutical Targets: Case Studies of G-Protein Coupled Receptors and Alzheimer's Disease Related Proteins

Frank Bernhard, Ph.D., Centre for Biomolecular Magnetic Resonance, Institute for Biophysical Chemistry, University of Frankfurt/Main

14:35 Semliki Forest Virus Vectors: Versatile Tools for Protein Production

Kenneth Lundstrom, Ph.D., CEO, PanTherapeutics

15:05 High-Level Production and Characterization of a G-Protein Coupled Receptor Signaling Complex

Stephen Marino, Ph.D., Department of Molecular Membrane Biology, Max Planck Institute of Biophysics

16:00 Advancing Synthetic Gene Design

Claes Gustafsson, Ph.D., Vice President, Marketing and Sales, DNA2.0



16:30 A Simplified Protocol for the Refolding and Purification of Recombinant Human β-Secretase 1 (BACE1) Expressed in Escherichia coli for Structural Studies

Zhongren Wu, Research Fellow, Biochemistry, Vitae Pharmaceuticals

17:00 EasyProt: An Innovative Protein Expression System Based on the Secretion System Type III of Pseudomonas aeruginosa

Audrey Le Gouvellec, Ph.D., Assistante Hospitalo-Universitaire, HumProTher Lab, Joseph Fourier University

17:30 Close of Day



18:30 – 21:00 BIOTECHNICA Night! Traditional Bavarian Beer Hall, dinner reception, live band playing popular music from U.S. Location: Münchner Hall

(Please register to reserve your complimentary ticket ahead of time. No tickets will be available on site.)

Thank You to Our Media Partners

Official Publication:

Bio-IT World

Sponsoring Organizations:



THURSDAY, 7 OCTOBER (Morning Sessions)

Track 3

Empowered Bispecific Antibodies and Antibody-Drug Conjugates

Location: Room 1A

Track 4

Difficult Protein Expression and Purification

Location: Room 1B

9:00 Conference Registration and Morning Coffee

New Bispecific and Multi-Valent Constructs: Optimizing Discovery for Best Results Downstream

9:30 Chairperson's Remarks

Lutz Jeremtus, Ph.D., FRSC, Senior Director, Technology, MedImmune

9:35 Optimization of Variable Domain Combination, Orientation and Linkers to Construct Dual Variable Domain (DVD) – IgTM Molecules

Tariq Ghayur, Ph.D., Senior Principal Scientist & Research Fellow, Biologics, Abbott Bioresearch Center, Inc.

10:05 Novel Multispecific Construct

Peter Kiener, CEO, Zyngenia

10:35 Coffee Break

Sponsored by



11:00 Development of a Bispecific TandAb for Clinical Studies: Issues Relating to Immunogenicity, Production and Formulation

Melvyn Little, Ph.D., CSO, Affimed Therapeutics AG

11:30 Bispecific T Cell-Engaging Antibodies of the BiTE Class

Patrick Baeuerle, Ph.D., CSO & Senior Vice President, R&D, Micromet

12:00 Improving the *in vivo* Utility of Targeted Toxins by Rendering them Bispecific

Daniel A. Valleria, Ph.D., Lion Scholar and Director, Section on Molecular Cancer Therapeutics, Professor of Therapeutic Radiology, University of Minnesota Cancer Center

Automation and High-Throughput

9:30 Chairperson's Remarks

Gert E. Folkers, Ph.D., NMR Spectroscopy Research Group, Bijvoet Center for Biomolecular Research, Utrecht University

9:35 Production of scFv Fragments on the G/L Scale in the Cytoplasm of *E. coli*

Dominique Desplanca, Ph.D., Research Scientist, Biotechnologie des Interactions Moléculaires, Institut de Recherche de l'École de Biotechnologie de Strasbourg

10:05 Parallel Protein Production and Verification of Protein Product Using a High-Throughput Method in Plate Format

Louise Yderland, Group Leader, Proteomics, School of Biotechnology, Royal Institute of Technology, Albanova Universitetscentrum

10:35 Coffee Break

Sponsored by



11:00 An Accelerated Protein Stability Testing Assay For Optimizing Purification Steps and Storage Conditions

Wayne F. Patton, Ph.D., Chief Scientific Officer, Enzo Life Sciences

Sponsored by



11:30 Automated Multigene Recombineering for Protein Complex Production in Prokaryotic and Eukaryotic Hosts

Imre Berger, Ph.D., Group Leader, Berger Group, EMBL-Grenoble

12:00 High-Throughput Technologies for Preparation of High Value Proteins

Gert E. Folkers, Ph.D., NMR Spectroscopy Research Group, Bijvoet Center for Biomolecular Research, Utrecht University

12:30-14:20 Dedicated Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion & Posters across from Catering.



iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.

PEGS Poster Presenters (continued) Presenting Tuesday, 5 October - Thursday, 7 October

Hebrew University of Jerusalem

213. Michal Shpilman; Leonora Niv-Spector; Meirav Katz; Chen Varol; Gill Solomon; Eran Elinav; and Arieh Gertler: Development of Superactive Leptin Antagonists Using Yeast Surface Display Methodology

ICx Technologies

214. John Quinn and Michel Perriere: FaststepTM: A New Approach to Increase Throughput for Screening and Kinetics

Immunostep, S.L.

215. M. Jara-Acevedo; M. González; Alberto Orfaob; Manuel Fuentes Garcia; and Ricardo Jara-Acevedo: New Methods and Approaches for the Development of Antibodies Against Site-Point Mutated Proteins

Keio University

216. Hiroshi Yanagawa; Nobuhide Doi; and Takeshi Sumida: Novel Display Methods Based on In Vitro Compartmentalization for Selecting Fab Fragments

MedImmune, LLC

217. David Lowe; Stefan Gerhardt; Alison Ward; David Hargreaves; Malcolm Anderson; Steve St-Gallay; Franco Ferraro; Richard Paupit; Debbie Pattison; Catriona Buchanan; Bojana Popovic; Donna Finch; Trevor Wilkinson; Matthew Sleeman; Tristan Vaughan; Simon Cruwys; Philip Mallinder; and Katherine Voudsen: Engineering a High Affinity, Ultrapotent Human Anti-IL-15 Antibody: Crystal Structure Reveals an Alpha-Helix in VH CDR3 as Key Component of Paratope

THURSDAY, 7 OCTOBER (Afternoon Sessions)

Track 3

Empowered Bispecific Antibodies and Antibody-Drug Conjugates

Location: Room 1A

Track 4

Difficult Protein Expression and Purification

Location: Room 1B


Engineering for Enhanced Stability and Manufacturability of Proteins

14:30 Chairperson's Remarks

Bernhardt L. Trout, Ph.D., MIT

14:35 KEYNOTE PRESENTATION

Incorporation of Developability and Manufacturability in Therapeutic Antibody Discovery

 Bernhardt L. Trout, Ph.D., Director, Novartis-MIT Center for Continuous Manufacturing; Director, Concourse; Co-Chair, Singapore-MIT Alliance, Chemical and Pharmaceutical Engineering; Professor, Department of Chemical Engineering, MIT

15:05 *In silico* Methods to Reduce Development Risks in Biopharmaceuticals: Engineering Optimal Lead Compounds

Jesús Zurdo, Ph.D., Head of Innovation, LCM Development Services, Lonza Biologics plc

15:35 Refreshment Break

16:30 Screening Antibody Candidates for Manufacturability, Stability, and Deliverability

Andrew Kosky, Senior Manager, Early Stage Pharmaceutical Development, Genentech, Inc.

17:00 Engineered Ig-Like Bispecific Molecules with Enhanced Therapeutic Potential

Justin Caravella, Ph.D., Scientist, Physical Biochemistry, Drug Discovery, Biogen Idec, Inc.

17:30 Close of Conference

Unique Proteins – Unique Techniques

14:30 Chairperson's Remarks

James Groarke, Ph.D., Senior Research Investigator II, Protein Structure, Novartis Institute for Biomedical Research

14:35 The Baculovirus Expression Platform: Recent Advances & More Lessons Learned

James Groarke, Ph.D., Senior Research Investigator II, Protein Structure, Novartis Institute for Biomedical Research

15:05 A Simple High-Throughput Purification Method for Hit Identification in Protein Screening

Emma Cummins, M.Sc., Senior Scientist, Global Biotherapeutic Technologies, Pfizer

15:35 Refreshment Break

Polypeptide Expression

16:30 Elastin-Like Polypeptides – Up-and-Coming Tools for Recombinant Protein Expression and Biomedical Application

Doreen M. Floss, Ph.D., Researcher, Institute of Biochemistry, Christian-Albrechts-University

17:00 Secreted Production of an Elastin-Like Polypeptide by *Pichia pastoris*

Roelof Schipperus, M.S., Agrrotechnology and Food Sciences Group, Wageningen University and Research Center

17:30 Close of Conference

PEGS Poster Presenters (continued) Presenting Tuesday 5 October - Thursday, 7 October

Rigshospitalet

218. Michael Ploug and Henrik Gårdsvoll: Optimized Tagging of Recombinant Proteins Produced in *Drosophila* S2 Cells Using the Third Domain of the Urokinase Receptor for Efficient One-Step Purification

Roche Diagnostics GmbH

219. Diana Weininger; Christian Gassner; Christian Klein; Gerhard Niederfellner; Claudio Sustmann; and Raffaella Castoldi: Generation and In Vitro Characterization of Bispecific c-Met – HER1/HER2 Antibodies for the Treatment of Cancer

Sanofi Pasteur

220. Nicolas Chaudet; Charlotte Mignon; Géraldine Hild; Stéphanie Husson; Virginie Courtois; Karelle De Luca; Denis Speck; Régis Sodoyer; and Isabelle Peubez: Antibiotic-Free Selection in *E. coli*: New Considerations for Optimal Design and Improved Production

Tohoku University

221. Keiko Ikoma; Mitsuo Umetsu; Izumi Kumagai; and Ryutarō Asano: Highly Enhanced Cytotoxicity of a Dimeric Bispecific Diabody, the Humanized EGFR x CD3 Tetrabody

University of Copenhagen

222. Mikkel Harndahl; Søren Buus; and Sune Justesen: High Throughput FcRn Binding Assays

University of Lisbon

223. Frederico Aires-Silva; João Gonçalves; and Soraia Oliveira: Accessing Combinatorial Strategies to Multimerize Libraries of Single-Domain Antibodies

University of Salamanca

224. Sanjeeva Srivastava; Niroshan Ramachandran; Joshua LaBaer; and Manuel Fuentes Garcia: Self-Assembling Protein Microarrays and Surface Plasmon Resonance Imaging to Study High-Throughput Protein Interactions of p53 and Mdm2

BioSilta
P.O. 4300 FI-90014
Oulu Finland
www.BioSilta.com



BioSilta specializes in microbial cell cultivation and protein production. The patented EnBase® media technology provides a cultivation environment with enzymatic glucose-control and pH maintenance without the need for traditional mechanical pumps. The BioSilta products offer solutions for cultivations ranging from multi-well plates to small-scale bioreactors.

Cevec Pharmaceuticals GmbH CEVEC
Gottfried-Hagen-Str. 62
51105 Köln, Germany
www.cevec-pharmaceuticals.com/

CEVEC's superior protein expression technologies CAP and CAP-T are designed for stable and transient protein production and achieve highest protein yields with authentic human glycosylation patterns. The immortalized cells are derived from primary human amniocytes and meet highest ethical standards. Already adopted to serum-free growth conditions, they can be very efficiently transfected with commercially available transfection reagents and are optimized to grow in a variety of flask/wave formats up to large-scale processing in bioreactors.

Crucell
Archimedesweg 4-6
2333 CN Leiden
Ypsilon building, Newtonweg 1
2333 CP Leiden, The Netherlands
www.crucell.com



Crucell is a leading biotechnology company developing vaccine, antibody and therapeutic protein products and technologies. We aim to protect human health through our commitment to combat infectious diseases, and in the partnerships we forge in facing that challenge. One of our key technologies is the Per.C6 human cell line technology which offers remarkable high-yields and low costs for the production of biologics

DNA2.0
1430 O'Brien Drive, Suite E
Menlo Park, CA 94025 USA
www.DNA2.0.com



DNA2.0 is the leading synthetic genomics company and the fastest provider of synthetic genes, based in the US with a global customer base encompassing industry, academia, and government. DNA2.0 has developed novel gene redesign algorithms to ensure the synthetic genes encode high protein expression levels and efficient protein engineering algorithms. DNA2.0 has provided genes to thousands of customers, for whom it has synthesized many millions of base pairs. The tools and applications brought to market by DNA2.0 are transforming biology into an engineering discipline.

Malvern Instruments Ltd
Enigma Business Park,
Grovedwood Road,
Malvern, Worcestershire
WR14 1XZ, UK
www.malvern.com

Malvern Instruments is a market leader in measuring performance controlling material properties supplying complementary materials characterization systems which deliver inter-related measurements. Particle



Enzo Life Sciences International, Inc.
5120 Butler Pike
Plymouth Meeting, PA 19462 USA
www.enzolifesciences.com



Enzo Life Sciences, incorporating ALEXIS®, Assay Designs®, BIOMOL® and Stressgen®, offers a comprehensive panel of innovative life science reagents. Antibodies, enzymes, proteins, small molecule inhibitors, and assay kits are available for research in cancer, cellular stress, cell death, epigenetics, genomics, immunology, neuroscience, signal transduction, and ubiquitin & proteasomes.

ForteBio
1360 Willow Road, Suite 201
Menlo Park, CA 94025 USA
www.fortebio.com



ForteBio markets a novel, label-free, 96 or 384-well format detection platform that includes instrument hardware, biosensors and data analysis software to measure affinity, kinetics, and concentration in crude or purified samples. This real-time dip and read method allows greater throughput and cost-effectiveness in many applications compared to existing methods such as SPR, ELISA and HPLC.

GTP Technology
Rue Pierre et Marie Curie,
BP48184 31681 Labège, France
www.gptech.com



GTP Technology offers custom protein expression services, in multiple expression systems, to accelerate recombinant proteins – related projects. Our services address the needs of biopharmaceutical firms, diagnostic companies and academic research laboratories, involved in identifying and producing target proteins, therapeutic proteins, vaccines, disease biomarkers and reagent proteins.

Gyros
11 Deer Park Drive, Suite 100
Monmouth Junction, NJ 08852 USA
www.gyros.com



Gyros™ develops and markets nano-scale immunoassays for bioanalytics, including assays for toxicology, drug metabolism, biomarkers, titer and impurities. Its Gyrolab™ platform is based on proprietary compact disc (CD) technology, enabling miniaturization in nanoliter volumes and workflow automation for reaction times in minutes. Nano-scale innovation provides assays exhibiting wide dynamic ranges, minimal matrix interference, throughput and efficiencies in time and personnel.

size, particle shape, zeta potential, molecular weight, chemical composition and rheological properties measurements are now joined by advanced chromatography solutions (GPC/SEC), extending the technologies for protein molecular weight, size and aggregation.

MedImmune
One MedImmune Way
Gaithersburg, MD 20878 USA
www.medimmune.com



MedImmune is a leading innovation-focused biotechnology company whose mission is to provide better medicines to patients, new medical options for physicians and rewarding careers to employees. Dedicated to advancing science and medicine to help people live better lives, the company is focused on infection, oncology, respiratory disease and inflammation, cardiovascular/gastrointestinal disease and neuroscience.

Precision Antibody™
9130 Red Branch Road, Suite U
Columbia, MD 21045
www.precisionantibody.com



Precision Antibody provides customized, high-affinity monoclonal antibodies. The company's services are based on a proprietary antibody discovery and development platform technology that enables rapid development of target-specific, high-affinity antibodies. Precision Antibody provides one-stop service for antibody development, characterization (affinity determination by Biacore), purification/production (from pilot to large scale), and conjugation, as well as hybridoma cell banking.

ProtAffin Biotechnologie AG
Impulszentrum Graz W,
Reininghausstrasse 13a
Graz, A-8020, Austria
www.protaffin.com



ProtAffin AG is a biotechnology company developing a novel class of biopharmaceutical products that act by targeting cell-surface glycan structures. ProtAffin's products are first-in-class engineered versions of human proteins which bind to cell surface glycans (sugars) to affect their biological activity. Activated versions of specific cell surface glycans underlie inflammatory processes in several diseases including rheumatoid arthritis, chronic obstructive pulmonary disorder, Crohn's disease and cancer and represent a rich and relatively under-investigated class of potential drug targets for the pharmaceutical and biotechnology industries.

VTU Technology
Parkring 18
Grambach, Austria A-8074
www.vtu.com



VTU Technology offers services with its exclusive cutting-edge Pichia pastoris protein production platform. VTU's technology is best suited for biologics production furnishing titers of >10 g/L of secreted target proteins.

Cambridge Healthtech Institute's Inaugural

5 - 7 October 2010

MOLECULAR DIAGNOSTICS EUROPE

Exhibition Grounds • Hannover, Germany

 **Moving Molecular Diagnostics from Bench to Bedside**
5 - 6 October

 **NGS: The Ultimate for Molecular Diagnostics**
5 - 6 October

 **Point-of-Care Diagnostics**
6 - 7 October

Keynote Speakers

Linh Hoang, M.D., Ph.D., LIFE Technologies
Marjolein Kriek, M.D., Ph.D., Leiden University Medical Center
Stephen Little, Ph.D., QIAGEN
Rudi Pauwels, Ph.D., Biocartis
Rosanna W. Peeling, Ph.D., London School of Hygiene and Tropical Medicine

Premier Sponsors:



Corporate Sponsors:



Organized & Managed by:
Cambridge Healthtech Institute
250 First Avenue, Suite 300
Needham, Massachusetts 02494, USA
Telephone: +1-781-972-5400 • Fax: +1-781-972-5425
Email: chi@healthtech.com • www.healthtech.com

Held in Conjunction with
Europe's No.1 Event in Biotechnology and Life Sciences



MolecularDiagnosticsEU.com

Molecular Diagnostics Europe CONFERENCE-AT-A-GLANCE

Monday, 4 October

8:20-9:30	Pre-Conference Short Course Registration (separate registrations required)	Convention Center in front of Room 1
9:30-13:00	Short Course 3: Micro- and Nanofluidics in Diagnostics and Life Sciences: Technologies and Applications	Location: Room Berlin
14:00-17:00	Short Course 1: Creating Synergy – Introduction to Biomedical Data Fusion	Location: Room Dresden
14:00-17:00	Short Course 2: What are the Key Trends in Microfluidics for the Next 5 Years?	Location: Room Berlin
16:00-18:30	Conference Registration	Convention Center in front of Room 1
18:30	Biotechnica Opening and European Award Ceremony plus Reception	Location: Room 1

Tuesday, 5 October

	Track 1: Moving Molecular Diagnostics from Bench to Bedside Location: Room Dresden	Track 2: NGS: The Ultimate for Molecular Diagnostics Location: Room Berlin
9:00-9:30	Registration and Morning Coffee	
9:30-10:35	Cancer: Molecular Biomarkers for Clinical Value Room Dresden	Infectious Disease: Sequencing Microbes to Metagenomes Room Berlin
10:35-11:00	Coffee Break Outside Session Room	
11:00-12:30	Cancer: Molecular Biomarkers for Clinical Value (cont.) Room Dresden	Infectious Disease: Sequencing Microbes to Metagenomes (cont.) Room Berlin
12:30-14:20	Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion across from Catering. iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.	
14:30-15:35	Infectious Disease: Rapid Detection Strategies Room Dresden	Cancer: Deep Sequencing for Genomic Rearrangements Room Berlin
15:35-16:00	Refreshment Break Outside Session Room	
16:00-18:15	Infectious Disease: Rapid Detection Strategies (cont.) Room Dresden	Cancer: Deep Sequencing for Genomic Rearrangement (cont.) Room Berlin
18:15-19:15	Interactive Breakout Discussion Groups Room Bonn	Interactive Breakout Discussion Groups Room Bonn
19:15-21:00	Cambridge Healthtech Institute (CHI) Networking Dinner Reception Sponsored by   Location: Foyer	

Wednesday, 6 October

	Track 1: Moving Molecular Diagnostics from Bench to Bedside Location: Room Bonn	Track 2: NGS: The Ultimate for Molecular Diagnostics Location: Room Bonn
9:30-10:35	Plenary Keynotes – The Future of Molecular Diagnostics Room Bonn	Plenary Keynotes – The Future of Molecular Diagnostics Room Bonn
10:35-11:00	Coffee Break Outside Session Room	
11:00-12:30	Plenary Keynotes (continued) Room Bonn	Plenary Keynotes (continued) Room Bonn
12:30-13:45	Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion across from Catering. iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.	
13:45	Close of Conference	

Track 3: Point-of-Care Diagnostics Location: Room Dresden

13:00-14:00	Conference Registration
14:00-15:35	Overview and Keynote Presentation Room Dresden
15:35-16:30	Refreshment Break Outside Session Room
16:30-17:30	Point-of-Care in Clinical Settings Room Dresden
18:30-21:00	BIOTECHNICA Night! Traditional Bavarian Beer Hall, dinner reception, live band playing popular music from U.S. Location: Münchner Hall

Thursday, 7 October

	Track 3: Point-of-Care Diagnostics Location: Room Dresden
9:30-10:35	Amplification, Detection & Readout Technologies Room Dresden
10:35-11:30	Coffee Break Outside Session Room
11:30-12:30	Amplification, Detection and Readout Technologies (continued) Room Dresden
12:30-14:20	Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion across from Catering. iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.
14:30-15:35	Enabling Technologies for Diagnostics Room Dresden
15:35-16:00	Refreshment Break Outside Session Room
16:00-16:30	Standards for System Integration Room Dresden
16:30-17:30	Uptake of Point-of-Care Devices Panel Room Dresden
17:30	Close of Conference

MOLECULAR DIAGNOSTICS EUROPE

Quick Reference to Locations for Sessions, Exhibits & Posters, and Receptions

Bio-IT World Europe	PEGS Europe	Molecular Diagnostics Europe
Conference Registration: Front of Room 1		
MONDAY, 4 OCTOBER COURSES		
Next-Gen Sequencing Data Room 13	Protein Aggregation Room 16	Micro- and Nanofluidics Room Berlin
Biomedical Data Fusion Room Dresden		Biomedical Data Fusion Room Dresden
Cloud Computing Room 13		Trends in Microfluidics Room Berlin
Visualization of Omics Data Room 14		
Coffee & Refreshment Breaks: Outside Session Room		
Exhibit & Poster Viewing Hall 9 (CHI Pavillion which is across from the Catering area)		
BIOTECHNICA Opening Reception & Award Ceremony Located in Room 1		

TUESDAY, 5 OCTOBER SESSIONS

Track 1	Room 13/14	Track 1	Room 1A	Track 1	Room Dresden
Track 2	Room 15/16	Track 2	Room 1B	Track 2	Room Berlin
Breakout Discussion Groups	Rooms 11 & 12	Breakout Discussion Groups	Rear of Rooms 1A & 1B	Breakout Discussion Groups	Room Bonn
Coffee & Refreshment Breaks: Outside Session Room					
Exhibit & Poster Viewing Hall 9 (CHI Pavillion which is across from the Catering area)					
CHI Reception Located in the Foyer					

WEDNESDAY, 6 OCTOBER SESSIONS

Track 1	Room 13/14	Track 1 & 3	Room 1A	Track 1 & 2	Room Bonn
Track 2	Room Bonn	Track 2 & 4	Room 1B	Track 3	Room Dresden
Track 3	Room 13/14				
Track 4	Room 15/16				
Coffee & Refreshment Breaks: Outside Session Room					
Exhibit & Poster Viewing Hall 9 (CHI Pavillion which is across from the Catering area)					
BIOTECHNICA Night! Traditional Bavarian Beer Hall, dinner reception, live band playing popular music from U.S. Location: Münchner Hall					

THURSDAY, 7 OCTOBER SESSIONS

Track 3	Room 13/14	Track 3	Room 1A	Track 3	Room Dresden
Track 4	Room 15/16	Track 4	Room 1B		
Coffee & Refreshment Breaks: Outside Session Room					
Exhibit & Poster Viewing Hall 9 (CHI Pavillion which is across from the Catering area)					

Thank You to Our Media Partners

Official Publication:

Bio-IT World

Sponsoring Organizations:



Media Partners:



Track 1



Moving Molecular Diagnostics from Bench to Bedside
"SAMPLE IN - ANSWER OUT" DIAGNOSTIC SYSTEMS
Location: Room Dresden



NGS: The Ultimate for Molecular Diagnostics
MEDICAL SEQUENCING AND MUTATION DISCOVERY
Location: Room Berlin

9:00 Conference Registration and Morning Coffee

CANCER: MOLECULAR BIOMARKERS FOR CLINICAL VALUE

9:30 Chairperson's Remarks

Mark Bradley, Ph.D., Professor, Chemical Biology, University of Edinburgh, UK

9:35 Tumor-Derived Circulating DNA as Predictive Biomarker in Oncology

Tim Ward, Ph.D., Staff Scientist, Clinical and Experimental Pharmacology, Paterson Institute for Cancer Research, University of Manchester, UK

10:05 Detecting Molecular Malignancy in Gliomas: Robust Copy Number Analysis of Chromosome 1p and 19q, CDKN2A, PTEN and EGFR (Rearrangements) Using MLPA Analysis

Judith Jeuken, Ph.D., Pathology, Nijmegen University Medical Center, The Netherlands

10:35 Coffee Break

11:00 Probes and Tools for Real Time Optical Imaging of Cancer and Infection

Mark Bradley, Ph.D., Professor, Chemical Biology, University of Edinburgh, UK

11:30 Molecular Biomarkers for Prostate Cancer

Bastiaan J. de Leeuw, CEO, NovioGendix, The Netherlands

11:45 Autoantibodies as Biomarkers for Prostate Cancer Risk Assessment in Patients with Elevated PSA and Negative Biopsy

Peter Schulz-Knappe, Ph.D., CSO & Executive Vice President, Diagnostics, Protagen AG

12:00 ExiStation: A Cost Effective High Throughput qPCR System for Medium and Large Hospitals



Vincent Prezioso, Ph.D., V.P., Global Marketing, Bioneer

INFECTIOUS DISEASE: SEQUENCING MICROBES TO METAGENOMES ENABLES DIAGNOSTIC TO PROGNOSTIC

9:30 Chairperson's Remarks

Stefan Niemann, Ph.D., Head, Molecular Mycobacteriology, National Reference Center for Mycobacteria, Research Center Borstel, Germany

9:35 Next-Generation Sequencing in the Analysis of Polymicrobial Infections: Some Essential Considerations

Geraint Rogers, Ph.D., Pharmaceutical Science, King's College London, UK

10:05 Comparative Genomics to Understand the Population Structure and Evolution of the Major Human Pathogen Mycobacterium Tuberculosis

Stefan Niemann, Ph.D., Head, Molecular Mycobacteriology, National Reference Center for Mycobacteria, Research Center Borstel, Germany

11:00 The Human Intestinal Metagenome

S. Dusko Ehrlich, Ph.D., Research Director and MetaHIT Coordinator, Department of Microbiology and Food Chain (MICA), INRA, France

11:30 Novel Diagnostic Opportunities for Oral Health through Application of NGS

Bart Keijser, Ph.D., Principal Investigator, Microbial Genomics, TNO, NL

12:00 Agilent Technologies' SureSelect Platform: Flexible High Performance Target Enrichment System for Next-Gen Sequencing

Sponsored by



Angelica Giuffre, R&D Scientist III, Genomics Division, Agilent Technologies

12:30-14:20 Dedicated Exhibit & Poster Viewing. Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion & Posters across from Catering.



iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.

Track 1



Moving Molecular Diagnostics from Bench to Bedside
"SAMPLE IN - ANSWER OUT" DIAGNOSTIC SYSTEMS
Location: Room Dresden



NGS: The Ultimate for Molecular Diagnostics
MEDICAL SEQUENCING AND MUTATION DISCOVERY
Location: Room Berlin

INFECTIOUS DISEASE: RAPID DETECTION STRATEGIES

14:30 Chairperson's Remarks

Vanya Gant, M.D., Ph.D., Head of Departments of Microbiology and Infectious Diseases, University College Hospitals, NHS Foundation Trust, UK

14:35 Regulatory Considerations

Erik Vollebregt, Lawyer, Greenberg Traurig, LLP, The Netherlands

15:05 A Genomic Fingerprinting Microarray for Identification of Pathogenic Bacteria

Juerg E. Frey, Ph.D., Group Leader, Molecular Diagnostics and Epidemiology, Plant Protection; Federal Department of Economic Affairs, FDEA Agroscope Changins-Wädenswil Research Station, Switzerland

15:35 Refreshment Break

16:30 Towards "Same Day" Blood Culture Pathogen Detection: It's Here, and It's Easy

Vanya Gant, M.D., Ph.D., Head, Microbiology and Infectious Diseases, University College Hospitals, NHS Foundation Trust, UK

17:00 Speed is of the Essence - Metagenomic Analysis of Microbes in the Clinic

Colin Davenport, Ph.D., Clinical Research Group, Hannover University Medical School, Germany

17:30 Panel Discussion with Afternoon Speakers

CANCER: DEEP SEQUENCING FOR GENOMIC REARRANGEMENTS

14:30 Chairperson's Remarks

Neil Gibson, Ph.D., Team Leader, Research and Genetics, AstraZeneca, UK

14:35 Systems Medicine Perspective towards Bionetworks-Based Discovery of Biomarkers and Biologic Agents in Cancer

Dimitrios Roukos, M.D., Ph.D., Associate Professor, Surgery, Ioannina University School Medicine, Greece

15:05 Highly Sensitive Detection of Genome Instability Using Next-Generation Sequencing

Francesca Ciccarelli, Ph.D., Principal Investigator, IEO, European Institute of Oncology, Italy

16:00 Understanding Genomic Variations in NGS Data

Frank Schacherer, Ph.D., COO, BIOBASE GmbH

16:30 Use of Cancer-Specific Genomic Rearrangements to Quantify Disease Burden in Plasma from Patients with Solid Tumors

Phil Stephens, Ph.D., Senior Scientist, Cancer Genome Project, Sanger Institute, UK

17:00 Speaker to be Announced

17:30 Deep Clonal Sequencing of Archival Tumor Samples Increases Mutation Detection Success

Neil Gibson, Ph.D., Team Leader, Research and Genetics, AstraZeneca, UK

Sponsored by
BIOBASE
BIOLOGICAL DATABASES

18:15 Interactive Breakout Discussion Groups Location: Room Bonn

1. NGS and Data Quality for Diagnostic Applications

Moderator to be Announced

2. Sequencing Cancer Genomes: Potential Healthcare Applications

Phil Stephens, Ph.D., Senior Scientist, Cancer Genome Project, Sanger Institute, United Kingdom

3. Circulating Tumor Cells and Cell Free Nucleic Acids: A Real Time Access to the Cancer Genome

Tim Ward, Ph.D., Staff Scientist, Clinical and Experimental Pharmacology, Paterson Institute for Cancer Research, University of Manchester, UK

4. What Does Success Look Like for an Infectious Disease Molecular Diagnostics Test, and Which of the Following Factors Drive This?

Vanya Gant, M.D., Ph.D., Head of Departments of Microbiology and Infectious Diseases, University College Hospitals, NHS Foundation Trust, UK

5. High-Throughput Protein Detection Technologies in Molecular Diagnostics of Cancer

Cristiana Tanase M.D., Ph.D., Head, Biochemistry Proteomics, Victor Babes National Institute of Pathology, Romania

6. NGS: Opportunities for Improving Oral Care Diagnostics: Translating Research to Practice

Bart Keijser, Ph.D., Principal Investigator, Microbial Genomics, TNO, The Netherlands

19:15



CHI Networking Dinner Reception

Location: Foyer



aufstörn



Tuesday, 5 October - Foyer

19:15-21:00 CHI Networking Dinner Reception

Enjoy an evening with your colleagues and discover the world of German cuisine. The evening includes a full-dinner reception and cocktails. While there, take a moment to visit the reception sponsor tables to learn about their products.

Sponsored by
BIOBASE
BIOLOGICAL DATABASES
QIAGEN



Track 1
Moving Molecular Diagnostics
from Bench to Bedside

"SAMPLE IN - ANSWER OUT" DIAGNOSTIC SYSTEMS

Location: Room Bonn



Track 2
NGS: The Ultimate for
Molecular Diagnostics

MEDICAL SEQUENCING AND MUTATION DISCOVERY

Location: Room Bonn

9:00 Conference Registration and Morning Coffee

**PLENARY KEYNOTES – THE FUTURE OF MOLECULAR DIAGNOSTICS
CONNECTING SCIENCE AND BUSINESS FOR CLINICAL IMPACT**

9:30 Chairperson's Remarks
Kevin Davies, Ph.D., Editor-in-Chief, Bio-IT World

9:35 Applications of Next-Generation Sequencing in an Academic Medical Hospital: From Single Molecules to a Complete Female Genome
Marjolein Kriek, M.D., Ph.D., Clinical Geneticist, Human & Clinical Genetics, Leiden University Medical Center, The Netherlands

10:05 Drivers, Challenges and Opportunities to Bring Diagnostics Closer to the Points of Need
Rudi Pauwels, Ph.D., Founding Director & CEO, Biocartis

10:35 Coffee Break

11:00 Pioneering Personalized Healthcare through Pharma Partnering: A Case Study in Companion Diagnostic Co-Development
Stephen Little, Ph.D., Vice President, Personalized Healthcare, QIAGEN



11:30 Bringing Next-Generation Sequencing to the Clinic
Linh Hoang, M.D., Ph.D., Director, Genomic Medicine, LIFE Technologies, United States

12:00 PANEL DISCUSSION
Moderator: Kevin Davies, Ph.D., Editor-in-Chief, Bio-IT World

- Panelists:
- Marjolein Kriek, Leiden University Medical Center
 - Rudi Pauwels, Biocartis
 - Stephen Little, Qiagen
 - Linh Hoang, LIFE Technologies

12:30-13:45 Dedicated Exhibit & Poster Viewing.
Lunch for purchase at Catering Area in Exhibit Hall 9. Visit the Cambridge Healthtech Institute (CHI) Pavilion & Posters across from Catering.



iPod® raffle daily at 13:30 at CHI's Pavilion. To enter, drop off business card at CHI's Registration Desk or exhibit booth.

13:45 Close of Conference

13:45 Close of Conference



Track 3
Point-of-Care Diagnostics

FROM LAB BENCH TO RAPID TESTING DEVICES

Location: Room Dresden

14:00 Chairperson's Remarks

Penny Wilson, Ph.D., Lead Specialist, Detection and Identification of Infectious Agents, Technology Strategy Board, United Kingdom

KEYNOTE PRESENTATION

14:05 Overview on POCT for Infectious Diseases: Its Promises and Challenges
Rosanna W. Peeling, Ph.D., Professor, Diagnostics Research, London School of Hygiene and Tropical Medicine, Faculty of Infectious and Tropical Diseases, Department of Clinical Research

14:35 An Overview of the Diagnostics Related Programmes at NICE

Nick Crabb, Ph.D., Associate Director, Diagnostics Assessment Programme, National Institute for Health and Clinical Excellence, UK

15:05 Recombinase Polymerase Amplification: Bringing Nucleic Acid Testing to Point-of-Care

David Brooks, Ph.D., M.B.A., Business Development Manager, TwistDx Ltd.

15:35 Refreshment Break

POINT-OF-CARE IN CLINICAL SETTINGS

16:30 Blood Glucose POCT in Intensive Care Unit Patients

Hans Günther Wahl, M.D., Ph.D., Director, Institute of Lab Medicine; Professor, University Hospital, Gießen and Marburg, Department of Clinical Chemistry and Molecular Diagnostics, Germany

17:00 Implementing and Supporting POCT for Glucose, Cardiac Markers, Coagulation Parameters, Blood Gases and Ions in a Hospital Setting: Technical, Regulatory and Logistic Challenges

Viviane Van Hoof, M.D., Ph.D., Professor, Head of Department, Clinical Chemistry, University Hospital Antwerp, Belgium

17:30 Close of Day

18:30 – 21:00 BIOTECHNICA Night! Traditional Bavarian Beer Hall, dinner reception, live band playing popular music from U.S.

Location: Münchner Hall

(Please register to reserve your complimentary ticket ahead of time. No tickets will be available onsite.)

Poster Presenters

Presenting Tuesday, 5 October - Thursday, 7 October

BGI Shenzhen

301. Jun Wang and Sujie Cao: Application of New Generation Sequencing Technology in Microbiology
302. Jun Wang and Xuegang Wang: Next Generation Sequencing to Reveal New Sight into Cancer Research

Erasmus University Medical Centre

303. John P. Hays: TEMPtest-QC - An EU FP7-Funded Project Designed to Help Promote the Development and Use of Microbiological (Bacterial and Fungal) Point-of-Care Testing Within Europe

Genomic Vision

304. Pierre Walrafen; Jun Komatsu; Etienne Rouleau; Karine Nguyen; Anne Vannier; Emilie Renard; Charlene Chaix; Rafaëlle Bernard; Kevin Cheeseman; Aurélie Thomas; Rosette Lidereau; Nicolas Lévy; Aaron Bensimon; Emmanuel Consellier; and Maurizio Ceppi: The Strength of Molecular Combining for Detecting Multiple and Complex Rearrangements on Single DNA Molecules

Hospital de Terrasa

305. María José Gamundi; Emma Borrás; Ismael Jurado; Miguel Dias; Isabel Martí; Begoña Mañé; Angels Arcusa; Monserrat Culubret; Miguel Carballo; and Imma Hernan: Personalized Oncology: Detection of EGFR, KRAS and BRAF Mutations in Tumor Samples by High Resolution Melting Analysis

MBio Diagnostics, Inc.

306. James Heil; Chad Greef; Kevin Moll; Marie Delaney; Keagan Rowley; Kurt Vogel; Michael Lochhead; and Christopher Myatt: Low-Cost System for Multiplexed Nucleic Acid Hybridization Assays

National University Hospital

307. Lily Chiu; Evelyn S. C. Koay; S. Baig; S. S. Y. Ho; M. Choolani; and Gek Har Leow: The Use of Quantitative-Fluorescence Polymerase Chain Reaction for Detection of Sex Chromosome Aneuploidies in Singapore
308. Julian W. Tang; Evelyn S. C. Koay; and Mingxuan Lin: Viral Loads of Herpes Simplex Virus in Clinical Samples: A 5-Year Retrospective Analysis

QIAGEN GmbH

309. Frank Narz; Christin Klockmann; Margarethe Hartung; Monica Pettersson; and Sandra Richardt: Performance Characteristics of a Pyrosequencing Assay Panel for the Identification of Key Mutations in the Cancer-Related Genes BRAF, NRAS and EGFR

Renishaw Diagnostics Ltd.

310. Karen M. Fitchett; Kate Dempsey; Julie Redden; W. Ewen Smith; P. Lewis White; Michael D. Perry; Rosemary A. Barnes; and Alastair Ricketts: Identification of Common Fungal Pathogens in a Single Sample

St. Joseph's Healthcare

311. K. Luinstra; S. Chong; S. Carruthers; E. Goodall; L. Banh; A. Granados; J. B. Mahony; A. Petrich; M. Smieja; and Santina Castriciano: Nasal Mid-Turbinate Swabs Collected in UTM or CyMoL Transport Media for Respiratory Virus Diagnosis with Molecular Assays

SurExam Bio-Tech Co. Ltd.

312. Guoqiang Li; Xiaodi Lou; Jiaying He; Zeyao Zhu; Gang Yu; Huijuan Qin; Tao Zeng; Zhiming Liu; Shiyang Wu; Jiasen Xu; and Lifan Ren-Heidenreich: A Novel Liquidchip Platform for Simultaneously Detecting 70 Alleles of DNA Somatic Mutations of EGFR, KRAS, BRAF and PI3K from a Formalin-Fixed and Paraffin-Embedded Slide of Tumor Tissue

University of Cambridge

313. Haitao Li; Jung-uk Shim; Richard W. Clarke; Chris Abell; David Klenerman; and Rohan T. Ranasinghe: Single Molecule Detection in Fast Flow: Potential for Rapid, Ultrasensitive Diagnostic Applications



Point-of-Care Diagnostics
FROM LAB BENCH TO RAPID TESTING DEVICES

Location: Room Dresden

9:00 Conference Registration and Morning Coffee

AMPLIFICATION, DETECTION AND READOUT TECHNOLOGIES

9:30 Chairperson's Remarks

Frédéric Breussin, Project Manager Microfluidics, Yole Développement

9:35 Microfluidics: From the Bench to the Bedside

Luc Gervais, Researcher, Point-of-Care Diagnostics, IBM Zürich Research Laboratory

10:05 Towards Diagnostics on a Single Chip

Christopher J. Backhouse, Ph.D., Professor, Electrical & Computer Engineering, University of Alberta, Edmonton, Canada

10:35 Coffee Break

11:30 High-Speed, Single-Molecule Detection for Point-of-Care Diagnostics

Cameron Frayling, CEO, Base4Innovation, UK

12:00 Microfluidic Technologies for Point-of-Care Testing

Frédéric Breussin, Project Manager Microfluidics, Yole Développement

**12:30-14:20 Dedicated Exhibit & Poster Viewing.
Lunch for purchase at Catering Area in Exhibit Hall
9. Visit the Cambridge Healthtech Institute (CHI)
Pavilion & Posters across from Catering.**



**iPod® raffle daily at 13:30 at CHI's Pavilion.
To enter, drop off business card at CHI's
Registration Desk or exhibit booth.**

ENABLING TECHNOLOGIES FOR DIAGNOSTICS

14:30 Chairperson's Remarks

Gerd Michel, Ph.D., Senior Technology Officer, R&D, Foundation for Innovative New Diagnostics (FIND), Switzerland

14:35 Integrated Innovation and Point-of-Care Diagnostics

Penny Wilson, Ph.D., Lead Specialist, Detection & Identification of Infectious Agents, Technology Strategy Board, UK

15:05 Development and Implementation of Rapid Diagnostics for Developing Countries

Gerd Michel, Ph.D., Senior Technology Officer, R&D, Foundation for Innovative New Diagnostics (FIND), Switzerland

15:35 Refreshment Break

STANDARDS FOR SYSTEM INTEGRATION

16:00 Using VitalPAC to Integrate Point-of-Care Diagnostic Results into Clinical Pathways In Real-Time

Roger Killen, Managing Director, The Learning Clinic, UK

16:30 PANEL: UPTAKE OF POINT-OF-CARE DEVICES

Moderator: Penny Wilson, Ph.D., Lead Specialist, Detection & Identification of Infectious Agents, Technology Strategy Board, UK

Distinguished Panelists:

- *Doris-Ann Williams, Director General, British In Vitro Diagnostics Association, UK*
- *Nick Crabb, Ph.D., Associate Director, Diagnostics Assessment Programme, National Institute for Health and Clinical Excellence, UK*
- *Rosanna W. Peeling, Ph.D., Professor, Diagnostics Research, London School of Hygiene and Tropical Medicine, Faculty of Infectious and Tropical Diseases, Department of Clinical Research*
- *Gerd Michel, Ph.D., Senior Technology Officer, R&D, Foundation for Innovative New Diagnostics (FIND), Switzerland*

17:30 Close of Conference

MOLECULAR DIAGNOSTICS EUROPE

Sponsor Descriptions

Agilent Technologies

2850 Centerville Road
Wilmington, DE 19808 USA
800.227.9770/www.chem.agilent.com



Agilent Technologies is a leading global supplier of life science instrumentation and reagents. From sample preparation to data analysis, Agilent Technologies provides microarrays, reagents and a QPCR platform for multiple genomic applications, along with the new SureSelect Target Enrichment Platform for next-gen sequencing.

Applied Biosystems Inc./ Life Technologies

www.appliedbiosystems.com



The Applied Biosystems brand is a global leader in providing innovative, optimized instrument systems and workflows to accelerate academic and clinical research, drug discovery and development, pathogen detection and forensic DNA analysis. Through its Applied Biosystems and Invitrogen brand of reagents, kits and bench-top devices, Life Technologies markets the most comprehensive portfolio of solutions for molecular and cell biology. Life Technologies (www.lifetech.com) is a global biotechnology tools company dedicated to improving the human condition. Our systems, consumables and services enable researchers to accelerate scientific exploration, driving to discoveries and developments that make life even better.

BIOBASE GmbH

Halchtersche Strasse 33
D-38304 Wolfenbuettel, Germany

49 5331 8584 0/www.biobase-international.com
BIOBASE now offers Genome Trax™ for Next Generation Sequencing analysis, featuring annotations such as disease-causing mutations and regulatory sites, mapped to genomic coordinates. BIOBASE is a leading provider of biological databases including the Human Gene Mutation Database (HGMD®), TRANSFAC® and PROTEOME™. Our mission is to help researchers answer biological questions.

Bioneer, Inc.

1000 Atlantic Avenue, Suite 102
Alameda, CA 94501-1147 USA
http://us.bioneer.com



Bioneer provides value with cost effective solutions for the global healthcare market. Bioneer offers Molecular Diagnostics instruments and reagents, state-of-the-art RNAi therapeutics and in-vivo SAMIRNA delivery systems. Additionally, Bioneer has a broad portfolio in molecular biology, DNA/RNA-synthesis, nano-biotechnology, PCR and automation. Bioneer is a public company listed on the KOSDAQ.



QIAGEN GmbH

QIAGEN Strasse 1
40724 Hilden, Germany
www.qiagen.com



QIAGEN acquired DxS, in September 2009 to create a Center of Excellence in Companion Diagnostics. QIAGEN work with pharmaceutical companies to support development of targeted cancer therapies by providing biomarkers and companion diagnostics. QIAGEN's product portfolio includes real-time PCR and Pyrosequencing assays for K-RAS to identify colorectal cancer patients more likely to benefit from anti-EGFR therapies such as panitumumab and cetuximab, EGFR to aid doctors in selecting lung cancer patients suitable for treatment with tyrosine kinase inhibitors, B-RAF and PI3K genes among others.

About Cambridge Healthtech Institute - Your Life Science Network

Founded in 1992, Cambridge Healthtech Institute (CHI) strives to develop quality information sources that provide valuable new insights and competing points of view while offering balanced coverage of the latest developments in the life sciences industry. Basic research related to commercial implications is covered, with heavy emphasis placed on end-user insights into new products and technology as well as coverage of the strategy behind the business.

Cambridge Healthtech Institute (CHI) is the preeminent life science network for leading researchers and business experts from top pharmaceutical, biotech, and academic organizations. CHI's integrated portfolio of products and services includes Cambridge Healthtech Institute Conferences, the Pharmaceutical Strategy Series, Insight Pharma Reports, Cambridge Marketing Consultants, Cambridge Meeting Planners, and Cambridge Healthtech's Media Group, which

includes numerous eNewsletters, Bio-IT World magazine, as well as Lead Generation Programs.

For a comprehensive listing and detailed information, visit the following web sites:

- Cambridge Healthtech Institute Conferences: www.healthtech.com
- Barnett International: www.barnettinternational.com
- Cambridge Healthtech Associates: www.chacorporate.com
- Insight Pharma Reports: www.insightpharmareports.com
- CHI's Marketing Services: <http://proservices.healthtech.com>
- Cambridge Meeting Planners: <http://proservices.healthtech.com>
- Cambridge Healthtech Media Group: www.chimediagroup.com

ABOUT BIOTECHNICA



Geared to "Evolution of business and research" BIO-TECHNICA 2010 invites you to Europe's leading

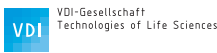
gathering for biotechnology and life sciences, staged annually in Hannover, Germany. Due to last year's success we feature again a joint pavilion for CHI European events within the BIOTECHNICA exhibition hall. For three days the exhibition halls, the conference rooms and the partnering meeting boxes will be alive with exhibitors and visiting professionals from all over the world, together with investors and distinguished speakers from business, science and politics - all here to discuss the latest products, innovations, research findings and market opportunities.

Reduce time and cost by making BIO-TECHNICA the event of your choice in 2010. You can close deals, find business or research partners, discuss politics and forms of financing with experts and meet old and new friends - all this under one roof in just three days! All details at www.biotechnica.de.

PARTNERS & SPONSORS



BIOCOM AG





Deutsche Messe

Hannover · Germany

**Deutsche Messe
Messegelände
30521 Hannover
Germany**

Tel. +49 511 89-0

Fax +49 511 89-32626

info@messe.de

www.messe.de

YOUR CONTACT

Susan Canisius

Tel. +49 511 89-31152

susan.canisius@messe.de

Heidi Rolack

Tel. +49 511 89-31139

heidi.rolack@messe.de

CONFERENCE REGISTRATION

Stefanie Hille

Tel. +49 511 89-33575

stefanie.hille@messe.de