Marketing of Life Science

10:30 - 10:55 **All year exposure on BIOTECHNICA Homepage TV**
11:30 – 11:55 *drs Rob Chömpff*
14:45 – 15:10 **Hall 9 - Forum 1, Stand B49**
16:15 – 16:40
Tuesday, 05 Oct.
English

BIOTECHNICA Homepage TV with exhibitor videos proofed 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

Organizer: Webvertising Studios

Medical and pharmaceutical applications

10:30 - 10:55 **Diskonnektoren und Konnektoren für sichere sterile Interaktionen**
Tuesday, 05 Oct. ***Disconnectors and connectors for safe sterile interactions***
German Mona Keller
Hall 9 - Forum 2, Stand 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.

Organizer: Pall GmbH

Medical and pharmaceutical applications

11:00 - 11:25 **Micro-24 Microbioreactor: "High-throughput" Bioreaktoren zur effizienten Zelllinienoptimierung und Prozessentwicklung**
Tuesday, 05 Oct. ***Micro-24 Microbioreactor: "High-throughput" bioreactors redefining cell line optimization and process development***
English Tiffany D Rau, PhD
Hall 9 - Forum 2, Stand 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.

Organizer: Pall GmbH

Bioengineering

11:30 - 11:55 **Industrielle Biotechnologie: Ein Markt für Forschung und Entwicklung**
Tuesday, 05 Oct. ***Industrial Biotechnology: A Market for Research & Development***
German Dr. Manfred Kircher
Halle 9 - Forum 2, Stand 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

Organizer: CLIB2021 - Cluster Industrielle Biotechnologie e.V.

Life Science Spotlight

12:00 - 14:00 **Molecular Food Analysis**
Tuesday, 05 Oct. **Hall 9 - Forum 2, Stand G61**
English/German

Every day between 12 noon and 2:00 p.m., The Life Science Research Group will be spotlighting particular life science themes. such as "Molecular Food Analysis" (05.10), "Stem Cells" (06.10.), "Forensic" and "Biobank" (07.10.).

Organizer: Life Science Research Unternehmen

Bioengineering

14:15 - 14:40
Tuesday, 05 Oct.
English

Gezielte Integration Transgen in einer CHO-S-Hotspot für die schnelle und reproduzierbare Herstellung von High-Protein-Titer
Targeted transgene integration in a CHO-S hotspot for the fast and reproducible production of high protein titers
M. Sc., Peter Steinhardt
Hall 9 - Forum 1, Stand 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.

Organizer: Cellectis bioresearch

Medical and pharmaceutical applications

14:15 - 14:40
Tuesday, 05 Oct.
English

Bioenergoinformation des lebenden Wesens - „DINO96" – Breite Anwendung
Bioenergoinformation of a living organizm – „DINO96" – versatile use
mgr inz. Jan Stoj
Hall 9 - Forum 2, Stand G61

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

Organizer: DINO-96

Bioengineering

14:45 - 15:10
Tuesday, 05 Oct.
English

Neuartige Wachstumsoberfläche ganz ohne tierische Komponenten zur Kultivierung von Stammzellen und anderen anspruchsvollen Zelltypen
A novel animal component free surface for growth of stem cells and other fastidious cells
Dr. Y. Cindy Neeley
Hall 9 - Forum 2, Stand 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.

Organizer: Thermo Fisher Scientific Nunc

Equipment

15:15 - 15:40
Tuesday, 05 Oct.
English

Automatisierung und Liquid Handling
Robotic Liquid Handling
Kajsa Pettersson
Hall 9 - Forum 1, Stand 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.

Organizer: GC biotech B.V.

Equipment

15:15 - 15:40
Tuesday, 05 Oct.
English

evapeosTM: Die neue Generation von Verdampfern für Life Sciences
evapeosTM: The new generation of evaporators for Life Sciences
Dr. Fabrice Gascons Viladomat
Hall 9 - Forum 2, Stand 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.

Organizer: Ederna

Medical and pharmaceutical applications

15:45 - 16:10 **We target disease**
Tuesday, 05 Oct. Dr. Andre Hoekema
English **Hall 9 - Forum 2, Stand 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.

Organizer: Galapagos NV

Medical and pharmaceutical applications

16:15 - 16:40 **Apeiron Biologics: Private Finanzierung und erfolgreich**
Tuesday, 05 Oct. ***Apeiron Biologics: privately financed, private success***
English Dr. Hans Loibner
Hall 9 - Forum 2, Stand 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.

Organizer: APEIRON Biologics AG

Bioinformatics and Services

10:00 - 10:25 **Data analysis in an instant - a simpler and faster way to explore large data sets**
Wednesday 06 Oct. Ann Holmberg, M. Sc.
English **Hall 9 - Forum 1, Stand 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.

Organizer: Qlucore AB

Bioinformatics and Services

10:00 - 10:25 **Einsatz von IPA und Ingenuity Answers zur Identifizierung von Genen, Pathways und molekularen Prozessen, beteiligt an der Kinase-Hemmung von Krebszellen**
Wednesday 06 Oct. ***Identification of Genes, Pathways and Processes Affected by Cancer Kinase Inhibitors Using IPA and Ingenuity Answers***
English Adam S. Corner, PhD
Hall 9 - Forum 2, Stand 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.

Organizer: Ingenuity Systems, Inc.

Bioinformatics and Services

10:30 - 10:55 **Genevestigator - how are your genes expressed across thousands of experimental conditions, diseases and tumors?**
Wednesday 06 Oct. Dr. Philip Zimmermann
English **Hall 9 - Forum 1, Stand 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).

Organizer: Nebion AG

Medical and pharmaceutical applications

10:30 - 10:55
Wednesday 06 Oct.
English

Ein Low-Cost-Plattform für die molekulare Diagnostik von Infektionskrankheiten
A low cost molecular diagnostics platform for infectious diseases
Rob Jenison, Chief Technology Officer
Hall 9 - Forum 2, Stand 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.

Organizer: Great Basin Scientific

Equipment

11:00 - 11:25
Wednesday 06 Oct.
German

Metallisch dichtende Aseptik-Rohrverbindung ConnectS ®
Coupling for aseptic applications without elastomere- ConnectS ®
Harry Jost
Hall 9 - Forum 2, Stand 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.

Organizer: NEUMO GmbH + Co. KG

Bioengineering

11:00 - 11:25
Wednesday 06 Oct.
English

Multiplexed biomolecular interactions monitoring using Surface Plasmon Resonance imaging (SPRi)
Dr. Elodie LY-MORIN
Hall 9 - Forum 1, Stand B49

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

Organizer: HORIBA Jobin Yvon GmbH

Equipment

11:30 - 11:55
Wednesday 06 Oct.
German

BX3 - built by your needs
Die neuen aufrechten Mikroskopsysteme von Olympus
BX3 - build by your needs
The new upright microscope systems from Olympus
Dr. Jan Barghaan
Hall 9 - Forum 2, Stand 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.

Organizer: Olympus Deutschland GmbH

Bioengineering

11:30 - 11:55
Wednesday 06 Oct.
English

A novel bioreactor for tissue reconstruction in vitro
Dr. Antje Fuhrmann
Hall 9 - Forum 1, Stand 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 an in vivo like cultivation. In this study a novel bioreactor system suitable for load bearing tissue is discussed.

Organizer: Greiner Bio-One GmbH

Equipment

12:00 - 12:15
Wednesday 06 Oct.
English

HSG-IMIT Lab-on-a-Chip Design und Foundry Service
HSG-IMIT Lab-on-a-Chip Design and Foundry Service
Dr. Felix von Stetten
Hall 9 - Forum 1, Stand 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: HSG-IMIT

Life Science Spotlight

12:00 - 14:00
Wednesday, 06 Oct.
English/German

Stem Cells
Hall 9 - Forum 2, Stand G61

Every day between 12 noon and 2:00 p.m., The Life Science Research Group will be spotlighting particular life science themes. such as "Molecular Food Analysis" (05.10), "Stem Cells" (06.10.), "Forensic" and "Biobank" (07.10.).

Organizer: Life Science Research Unternehmen

Bioinformatics and Services

14:00 - 14:20
Wednesday 06 Oct.
English

German-Russian Forum
Industrial Biotechnology in Russia
Deutsch-Russischer Kooperationsverbund Biotechnologie
German-Russian Cooperation Network Biotechnology
Dr. Gabriele Gorzka, East-West-Science Center, University of Kassel
Hall 9 - Forum 1, Stand B49

Organizer: Deutsche Messe AG

Equipment

14:15 - 14:40
Wednesday 06 Oct.
German

3D Fluoreszenz Imaging einfach gemacht
3D Fluorescence Imaging Made Easy
Dr. Hubert Bauch
Hall 9 - Forum 2, Stand 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.

Organizer: Carl Zeiss MicroImaging GmbH

Medical and pharmaceutical applications

14:20 - 14:40
Wednesday 06 Oct.
English

German-Russian Forum
Industrial Biotechnology in Russia
Overview on the Russian Industrial Biotechnology Sector
Prof. Raif Vasilov
Hall 9 - Forum 1, Stand B49

Main characteristics of the current state of the biotech industry in Russia: Market volume ~ $ 1.6 billion; Growth rate ~ 10-12%; Market saturation <50%. Priority biotech areas in RF: Pharma and Medical industry; Industrial Biotechnology and Biofuels; Food for Life; Plants for the nature; Animal Health and Welfare; Forestry; Fisheries and Aquacultures.

Organizer: Deutsche Messe AG

Bioengineering

14:40 - 15:00
Wednesday 06 Oct.
English

German-Russian Forum
Industrial Biotechnology in Russia
Deutsch-Russische Zusammenarbeit in der industriellen Biotechnologie - Ausblick und Perspektiven
German-Russian cooperation in the Industrial Biotechnology Sector: outlook and perspectives
Dr. Christian Patermann, Former Director EU-Commission
Hall 9 - Forum 1, Stand B49

Industrial biotechnology is one of the most promising areas of future economic success: ranging from new biobased materials to the production of new enzymers. 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.

Organizer: Deutsche Messe AG

Equipment

14:45 - 15:10
Wednesday 06 Oct.
English

sam5 Biosensor – die neue Lösung für die einfache und robuste Label-freie Analyse biomolekularer Interaktionen in Industrie und Wissenschaft
sam5 biosensor – A new solution for simple and robust label-free biomolecular interaction analyses in biotech and academia
Dr. Thomas Gronewold
Hall 9 - Forum 2, Stand 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 specifity and analyte concentration. Superior to common systems it allows to detect protein conformational changes in membranes and vesicles due to binding events.

Organizer: SAW instruments GmbH

Medical and pharmaceutical applications

15:15 - 15:40
Wednesday 06 Oct.
English

SPS – Stabilisierung und Schutz von Proteinen bei Lagerung und Sterilisation
SPS - Stabilization and Protection of Biologics during Storage and Sterilization
Michael Scholl
Hall 9 - Forum 2, Stand 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.

Organizer: Leukocare AG

Equipment

15:15 - 15:40
Wednesday 06 Oct.

BlueInOne - die kleinste Gasanalyse für Bioprozesse
BlueInOne - the smallest gas analysis for bioprocesses
Dr. Holger Müller
Hall 9 - Forum 1, Stand 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.

Organizer: BlueSens gas sensor GmbH

Bioengineering

15:45 - 16:10
Wednesday 06 Oct.
English

Anwendungen der Statistischen Versuchsplanung (DoE) zur Herstellung rekombinanter Proteine mit dem Multibioreaktorsystem BIOSTAT Qplus
Applications in Design of Experiments in optimal recombinant protein production with the multibiorector system BIOSTAT Qplus
Prof. Dr.-Ing. Reiner Luttmann, Hochschule für Angewandte Wissenschaften (HAW) Hamburg
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.

Organizer: Sartorius Stedim Biotech GmbH

INNOVATION FORUM

BIO TECHNICA
Hannover, 5–7 October 2010

Equipment

15:45 - 16:10
Wednesday 06 Oct.
German

Chancen und Möglichkeiten - real-time PCR
Chances and perspectives - real-time PCR
Holger Densow
Hall 9 - Forum 1, Stand 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.

Organizer: Analytik Jena AG

Equipment

16:15 - 16:40
Wednesday 06 Oct.
German

Raman Spektroskopie - Eine Technologie zum Gewinn neuer Informationen für LifeScience Anwendungen
Raman Spectroscopy - A technology to gain a higher information content for LifeScience applications
Dr Johanna Neumayer
Hall 9 - Forum 1, Stand 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.

Organizer: HORIBA Jobin Yvon GmbH

Medical and pharmaceutical applications

16:15 - 16:40
Wednesday 06 Oct.
English

The riboxx® HTP-RNA-Synthesis: A fast, easy and cost-effective method dedicated to siRNA-screens
Dr. med. habil. Jacques Rohayem
Hall 9 - Forum 2, Stand 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.

Organizer: Riboxx GmbH

Bioinformatics, Services

16:45 - 17:10
Wednesday 06 Oct.
English

Die Anwendung von barcode-markierten Medien für das papierlose Umgebungs-Monitoring
Use of pre-barcoded media for paperless Environmental Monitoring
Dr. Ulrich Eikmanns, Head of Product Management, heipha Dr. Müller GmbH
Michael Desiderio, Global Director, Informatics, Lonza Cologne AG
Hall 9 - Forum 1, Stand 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.

Organizer: heipha Dr. Müller GmbH / Lonza Cologne AG

Bioengineering

16:45 - 17:10
Wednesday 06 Oct.
English

Upcyte Technologie ermöglicht erweiterte Proliferation von Primärzellen
Upcyte technology allows extended proliferation of primary cell cultures
Dr. Joris Braspenning, Medicyte GmbH
Hall 9 - Forum 2, Stand 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.

Organizer: LGC Standards GmbH

Life Science Spotlight

12:00 - 14:00 **Forensic and Biobank**
Thursday, 07 Oct. **Hall 9 - Forum 2, Stand G61**
English/German

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Organizer: Life Science Research Unternehmen