

INNOVATION FORUM

07-09 October / Oktober

PROGRAM



Hall / Halle 9
Forum 1 (Stand D65)
Forum 2 (Stand G63)

Tuesday, 07 October / Dienstag 07. Oktober

Biotechnik / Bioengineering

09:45 - 10:10 **Automatisierung für "Disposables"**
English **How to automate disposables?**
Jan Rougoor
Hall / Halle 9 - Forum 1 (Stand D 65)

The increased application of disposables in biopharmaceutical processes poses a challenge for process automation. Is the trend to disposables leading to a decrease of the automation level? what is the new role of automation systems in this scenario?

Veranstalter / Organizer: Siemens AG



Biotechnik / Bioengineering

10:15 - 10:40 **Introducing DNA2.0**
English Dr. Marc Bruyninx; Dr. Louise Rafty
Hall / Halle 9 - Forum 1 (Stand D 65)

DNA2.0, a California company is a global provider of gene synthesis and protein engineering. We will present exciting new applications of gene synthesis and demonstrate our widely used free for download Gene Designer software.

Veranstalter / Organizer: DNA 2.0 Inc. (USA)



Biotechnik / Bioengineering

10:45 - 11:10 **Biotechnologie in Polen**
English **Biotechnology in Poland**
Prof. Tomasz Twardowski
Hall / Halle 9 - Forum 1 (Stand D 65)

Biotechnology in Poland will be described within following topics: legislation including IPR, public acceptance and perception, market and cooperation academia with industry including human factor. In summary SWOT analysis will be presented.

Veranstalter / Organizer: Polish Federation of Biotechnology



Biotechnik / Bioengineering

10:45 - 11:10 **Boehringer Ingelheim's Biopharmaziegeschäft - Werte durch Innovationen**
English **Boehringer Ingelheim's Biopharmaceutical Business - Value through Innovation**
Dr. Julia Knebel
Hall / Halle 9 - Forum 2 (Stand G 63)

Boehringer Ingelheim is one of the leading companies for industrial customer manufacturing of Biopharmaceuticals by offering the entire production technology chain in development and production at its biopharmaceutical facilities in Biberach (Germany) and in Vienna (Austria).

Veranstalter / Organizer: Boehringer Ingelheim GmbH



Equipment / Equipment

11:15 - 11:40 **AxiChrom - die neue Säulen Plattform mit Intelligent Packing**
English **AxiChrom - a new column platform that brings Lean into your process**
Sara Corin; Per Karlberg
Hall / Halle 9 - Forum 1 (Stand D 65)

With Intelligent Packing, intuitive handling and predictable scale-up, new AxiChrom™ columns make process chromatography more efficient. Pre-programmed and verified packing methods, a column design with swing out or pivot stand & interactive guidance ensure easier, safer handling and operation.

Veranstalter / Organizer: GE Healthcare Europe GmbH



Bioinformatik, Service / Bioinformatics, Services

11:15 - 11:40 **Use design to add value to your science**
English Alastair Kingsland
Hall / Halle 9 - Forum 2 (Stand G 63)

Presenting your company and your science professionally says a lot about you to customers and potential investors. It is no longer good enough that your science works. It also needs to communicate your uniqueness. Design can be the missing link between companies that get investment and those that don't.

Veranstalter / Organizer: Minima Design Limited



LIFE SCIENCE SPOTLIGHT

12:00 - 14:00

English, German

Expressionsanalyse innovativ

Hall / Halle 9 - Forum 2 (Stand G 63)

12:00 - 12:15

Breaking the frontiers of single cell gene expression analysis

Dr. Diana Hops, Olympus Life Science Research Europa GmbH

12:17 - 12:32

Bead-based Assays

Prof. Dr. Thomas Herget, Merck KGaA

12:35 - 12:50

**Quantitative Genexpressionsanalyse mikrodissasierter 3D-Zellaggregate
Quantitativ Analysis of the Genexpression of microdissected 3D-Zellaggregates**

M.Sc. Anna Emilia Petschnik

Fraunhofer Einrichtung für Marine Biotechnologie, Lübeck

12:50 - 13:05

microRNA. relevance and challenge in analytics

Peer Stähler, Febit

13:07 - 13:22

RNA interference: Powerful tool for specific gene knockdowns in mammalian cells in high throughput

Dr. Merja Perälä, VTT Technical Research Centre of Finland - Medical Biotechnology, Turku, Finland

13:25 - 13:40

Application of High Throughput Technologies to drug targets from Academia

Dr. Philip Gribbon, European Screening Port, Hamburg

13:43 - 14:00

Neue Trends und Technologien in der Genexpression

Knut Hamann, Invitrogen

Veranstalter / Organizer: Fachgruppe Life Science Research im Verband der Diagnostica-Industrie e.V.



Bioinformatik, Service / Bioinformatics, Services

14:15 - 14:40

English

CANCELLED

Synthese und Anwendungen der dicer Substrat RNA Duplexen

Synthesis and applications of dicer-substrate RNA duplexes

Dr. Brian Sproat

Hall / Halle 9 - Forum 1 (Stand D 65)

Dicer-substrate RNAs have exceptional potency for target validation applications both in vitro and in vivo. Synthesis, purification and analytical methods will be described with emphasis on high purity. Their use as tools in molecular biology and drug development research will be illustrated.

Veranstalter / Organizer: Integrated DNA Technologies BVBA



Pharmazie, Medizin / Medical and pharmaceutical applications

14:15 - 14:40

English

Biopharmazeutika Produktion in Hefen - der ökonomische Weg vom Gen zum Produkt

Yeast-derived biopharmaceuticals - the economic way from gene to product

Prof. Dr. Gerd Gellissen

Hall / Halle 9 - Forum 2 (Stand G 63)

Hefen, darunter *Hansenula polymorpha*, *Pichia pastoris* oder *Saccharomyces cerevisiae*, werden von der PharmedArtis GmbH für die Produktion von Biopharmazeutika und anderen rekombinanten Proteinen genutzt. Mit dem „universellen“ CoMed™ Vektor System kann frühzeitig ein optimales Hefesystem für ein Produkt der Wahl identifiziert und festgelegt werden.

Yeasts, among others H. polymorpha, P. pastoris and S. cerevisiae, are being used by PharmedArtis for the production of biopharmaceuticals and other recombinant proteins. The "universal" yeast vector (CoMed™) system provides a tool for comparative assessment and thus for an early definition of an optimal yeast platform for a protein of choice.

Veranstalter / Organizer: PharmedArtis GmbH



Biotechnik / Bioengineering

14:45 - 15:10

German

Innovationspreis der deutschen BioRegionen 2008

Innovation Awards of German BioRegions 2008

Uwe Seidel (Bioindustry e.V.)

Hall / Halle 9 - Forum 1 (Stand D 65)

Vorstellung der Preisträger

Presentation of Laureates

Veranstalter / Organizer: BIO.NRW



Pharmazie, Medizin / Medical and pharmaceutical applications

14:45 - 15:10

German

Modulare Dienstleistungen der hameln rds Biotechnologische Prozessentwicklung

Modular Services from hameln rds Biotechnological process development

Dr. Sabine Glombitza; Heiner Zindel

Hall / Halle 9 - Forum 2 (Stand G 63)

hameln rds ist Anbieter von Dienstleistungen für den Gesundheitsmarkt (Produktentwicklung und -versorgung, Studien, biotechnologische Prozessentwicklung).

hameln rds is a provider of services for the healthcare market (Product development and supply, studies, biotechnological process development).

Veranstalter / Organizer: hameln rds gmbh



Equipment / Equipment

15:15 - 15:40

English

Die Echtzeit-Analyse von biomolekularen Wechselwirkungen mit Oberflächen-

Plasmonen-Resonanz-Imaging (SPRi)

Biomolecular interaction analysis in real time using Surfaces Plasmon Resonance imaging (SPRi)

Chiraz Frydman, PhD

Hall / Halle 9 - Forum 1 (Stand D 65)

SPRi is an innovative optical technique for the study of bio-interactions such as: DNA-DNA, proteine-DNA, proteine-ligand or peptide-ligand

- label-free bio-molecular interaction analysis
- affinity / binding characterisations
- fast quantification and real-time visualization of reaction kinetics
- simultaneous measurements of up to 400 spots

Veranstalter / Organizer: HORIBA Jobin Yon GmbH



Biotechnik / Bioengineering

15:45 - 16:10

English

Biointerface - Analyse + Design + Anwendungen

Biointerface - Analysis + Design + Application

Prof. of Kyoto University Dr. Hiroo Iwata

Hall / Halle 9 - Forum 1 (Stand D 65)

BioBridge KANSAI Japan is a comprehensive contact organization in the Kansai`s Life science related industries and academics to show an example of activities. We are organizing a seminar presented by Dr. Hiroo Iwata from "The Institute for Frontier Medical Sciences Kyoto University"

Veranstalter / Organizer: BioBridge Kansai



Biotechnik / Bioengineering

16:15 - 16:40

English

evocatal - Molekularbiologische Werkzeuge für effiziente Biokatalyse

evocatal - Novel Tools For Efficient Biocatalysis

Dr. Michael Puls

Hall / Halle 9 - Forum 1 (Stand D 65)

evocatal is a thriving German biotech-company specialized in enzyme technology. Next to a range of proprietary enzymes (evozymes®) the company provides outstanding solutions for protein expression and secretion. This presentation will give an insight into evocatal`s unique products and technologies.

Veranstalter / Organizer: evocatal GmbH



Equipment / Equipment

16:45 - 17:10

German

Berührungsfreies Dispensieren

Non contact dispensing

Dr. Udo Sonnhof (GF)

Hall / Halle 9 - Forum 1 (Stand D 65)

P-Jet: System das Tropfen mit hoher Genauigkeit berührungsfrei abgibt; Aufbau eines industrietauglichen Dispensors; Druckventil + Fluidikteil getrennt; Totvolumen =0. Tropfengröße: 100pl – Dauerstrahl; Maximale Schwankung des Tropfenvolumens < 3%. Dosierfrequenz 300Hz Dosierspitze beheizbar

Veranstalter / Organizer: SPI Robot Systeme GmbH

Wednesday, 08 October / Mittwoch 08. Oktober

Pharmazie, Medizin / Medical and pharmaceutical applications

09:45 - 10:10
English

Systematische Entwicklung von neuen Antikörpern für diagnostische Protein Biochips am Beispiel Multipler Sklerose
Systematic Development of Novel Antibody Bio-markers for Diagnostic Biochips -Multiple Sclerosis Case Study

Dr. Stefan Müllner (CEO Protagen AG)
Hall / Halle 9 - Forum 1 (Stand D 65)

The determination of autoantibody signatures is an innovative approach for the development of more specific diagnostics.

Veranstalter / Organizer: BIO.NRW



Equipment / Equipment

09:45 - 10:10
German

"Perfect Dosing" - Automatische Pulverdosisierung für kleinste Probenmengen
-Perfect Dosing - automatic powder dispensing for small sample quantities.
t.b.a.

Hall / Halle 9 - Forum 2 (Stand G 63)

QUANTOS -Automatisches Dosieren kleinster Probenmengen von 1mg bis 250mg auf der Grundlage von Erfahrung und präziser Wägetechnologie von METTLER TOLEDO. QUANTOS ersetzt stundenlanges Einwiegen von Hand: Spatel waren gestern – heute ist QUANTOS. schnell - sicher - sparsam

Veranstalter / Organizer: Mettler Toledo GmbH



Equipment / Equipment

10:15 - 10:40
English

Biochip-basierte, markerfreie Zell-Analyse
On-chip & label-free single cell analysis

Dr. Marco Di Berardino
Hall / Halle 9 - Forum 1 (Stand D 65)

We present a novel, chip-based and label-free technology for cell counting and characterisation. Our Impedance flow cytometer addresses routine and quality control applications in the fields of cell differentiation (stem cells), haematology, parasitology (diagnostics) and fermentation.

Veranstalter / Organizer: LEISTER Process Technologies



Biotechnik / Bioengineering

10:15 - 10:40
English

Vom Gen zum Produkt - Exklusivtechnologie für die Proteinexpression in Pichia pastoris
From gene to product -exclusive technology for protein expression in Pichia pastoris

Dr. Thomas Purkarthofer
Hall / Halle 9 - Forum 2 (Stand G 63)

With an exclusive library of promoter variants expression strength and characteristics can be tuned individually leading to high yield and purity of a given target protein . The capabilities of this yeast platform and the customized services of VTU Technology will be presented with selected examples.

Veranstalter / Organizer: VTU Technology Technologieentwicklungsgesellschaft mbH



Equipment / Equipment

10:45 - 11:10
English

Das SOLID System - Technologie und Applikationen
The SOLID System - Basic of Functionally and Applications

Dr. Thomas Rygus
Hall / Halle 9 - Forum 1 (Stand D 65)

The SOLID System enables massively parallel sequencing of clonally amplified DNA fragments with Ultra high throughput and unmatched accuracy. Mate Pair analysis enables the analysis of structural variation of whole genomes. Gene expression, miRNA discovery or ChIP experiments are common applications.

Veranstalter / Organizer: Aplerla Deutschland GmbH



Biotechnik / Bioengineering

10:45 - 11:10

English

In der 3-D Zellkultur kündigt sich eine Revolution an An Emerging Revolution in 3-D Cell Culture

Dr. Clara Cavalier

Hall / Halle 9 - Forum 2 (Stand G 63)

Automated 3-D cell culture not only provides cells that more closely mimic in vivo characteristics but also allows hands-free growth, maintenance, and monitoring of cells. The resulting implications of using cells as reagents for just-in-time delivery into downstream applications will be discussed.

Veranstalter / Organizer: Hamilton Bonaduz AG



Equipment / Equipment

11:15 - 11:40

German

Elastomerfreie Schnittstellen in Rohrleitungen Aseptic Couplings-Elastomer Free

Harry Jost

Hall / Halle 9 - Forum 1 (Stand D 65)

NEUMO ConnectS - Die ConnectS ist die erste elastomerfreie Aseptikverbindung. Das Produkt ist weltweit patentgeschützt und erfüllt aufgrund des revolutionären Designs alle relevanten Anforderungen der pharmazeutischen Industrie. TÜV-Bauteilprüfung, EHEDG- Zertifikat, Zulassung TA-Luft ist verfügbar.

Veranstalter / Organizer: Neumo GmbH + Co. KG



Pharmazie, Medizin / Medical and pharmaceutical applications

11:15 - 11:40

English

Biotechnische Anwendungen der Cyclo-Olefin-Polymere von ZEON Biotech-Applications of Zeon's Cyclo-Olefin-Polymers

Mr. Yoshimasa Tagata

Hall / Halle 9 - Forum 2 (Stand G 63)

ZEONEX® and ZEONOR®, Cyclo Olefin Polymers (COP) are high-performance thermoplastics which are used for innovative diagnostic applications, e.g. micro-well plates and microfluidic devices. Further uses are in cellular and bio-chemical assays, PCR thermo-cycling, very low protein-binding and chemical-specific compound storage.

Veranstalter / Organizer: Zeon Europe GmbH



LIFE SCIENCE SPOTLIGHT

12:00 - 14:00

English, German

Lebensmittelsicherheit durch molekulare Analytik

Hall / Halle 9 - Forum 2 (Stand G 63)

12:00 - 12:15

Analytik - die Voraussetzung für Lebensmittelsicherheit und Qualität

Prof. Klaus-Dieter Jany, Member of the Scientific Committee of the European Food Safety Authority (EFSA) und Chairman of the CEF-Panel (EFSA)

12:17 - 12:32

Real Time PCR Lebensmittelanalytik: State of the Art und Perspektiven

Dr. Matthias Kuhn, Congen

12:35 - 12:50

Rapid detection of food-borne pathogens using foodproof Real Time-PCR Kits

Dr. H. Schoenenbrücher, Merck KGaA

12:50 - 13:05

Aktuelle Tuberkulosedagnostik aus der Sicht des Veterinärinstitutes Oldenburg

Dr. Andreas Moss, Niedersächsisches Landesamt für Verbraucherschutz und Lebensmittelsicherheit (LAVES)

13:07 - 13:22

GMO Analysis in Europe

Dr. Yves Bertheau, Inst. National la Recherche Agronomique (INRA), Versailles, France

13:25 - 13:40

A sensitive high-throughput PCR method for identifying common clinical serotypes of Salmonella enterica subsp. Enterica

Florian Mertes, Max-Planck-Institut für molekulare Genetik, Berlin

13:43 - 14:00

Recent Advances in the Detection of Pathogens in Food

David Warening, Invitrogen Ltd.

Veranstalter / Organizer: Fachgruppe Life Science Research im Verband der Diagnostica-Industrie e.V.

Biotechnik / Bioengineering

14:15 - 14:40

German

Automatisierte Zellsysteme: (R)evolution in der Entwicklung serumfreier Medien der 2. Generation?

Automated Cell Culture Systems: (R)evolution in the Development of 2nd Generation serumfree Media?

Prof. Dr. Michael Wiechmann

Hall / Halle 9 - Forum 1 (Stand D 65)

Die Zellkultur ist ein wichtiges Werkzeug in der medizinischen und pharmazeutischen Wissenschaft. Hierbei kommen verschiedene Medien – oftmals unter Verwendung von foetalem Kälberserum – zum Einsatz. Da foetales Kälberserum als Produkt tierischen Ursprungs mit ganz spezifischen Problemen behaftet ist, wird weltweit nach funktional gleichwertigen bzw. überlegenen Alternativen ohne tierische Komponenten gesucht. Wir beschreiben eine neuartige Schlüsseltechnologie für die schnellere Entwicklung serumfreier Medien: das automatisierte Zellsystem. Mit dieser Technologie konnten zwei neue proteinfreie Medien mit überragender Funktionalität in deutlich verkürzter Zeit entwickelt werden.

The cultivation of cells in laboratory scale is a common practice in many areas of pharmacy and medicine. Various media – often with animal serum – are used for the cultivation of cells. As animal serum has very specific disadvantages an intensive research and development of new serum- and protein-free media is ongoing. We describe a unique new technical application – an automated cell culture system – for a faster and improved media development. Two new protein-free media developed with this technique revealed very high efficiency and superiority to existing media.

Veranstalter / Organizer: PAN-Biotech GmbH



Equipment / Equipment

14:15 - 14:40

English

Vorteile der Chromatographischen Verfahrensentwicklung im Hochdurchsatz

Modus

High-throughput process development for increased efficiency and improved process quality

Dr. Kathryn Schnorf

Hall / Halle 9 - Forum 2 (Stand G 63)

The use of PreDicator™ 96-well plates allows the exploration of a larger experimental space during process development. Different study types and the optimization data generated correlate well with column results. HTPD increases process understanding and so improves process quality and efficiency.

Veranstalter / Organizer: GE Healthcare Europe GmbH



Biotechnik / Bioengineering

14:45 - 15:10

German

Lumineszenzmikroskopie mit dem Olympus LV200 Luminoview

Luminescence Microscopy with Olympus Luminoview LV200

Dr. Hauke Kahl

Hall / Halle 9 - Forum 1 (Stand D 65)

Die Entwicklung eines neuen Biolumineszenz Mikroskopes ermöglicht es, Langzeit-Untersuchung von lebenden, lichtempfindlichen oder stark auto-fluoreszierenden Proben durchzuführen. Applikationen wie Genexpressionsanalysen oder Ca²⁺ Imaging können nun auch auf mikroskopischer Ebene durchgeführt werden.

Veranstalter / Organizer: Olympus Deutschland GmbH



Equipment / Equipment

14:45 - 15:10

English

Effizienter Scale-up und GMP-Produktion mit der ReadyToProcess Plattform

Efficient scale-up and GMP production with ReadyToProcess technologies

Ingemar Daniels

Hall / Halle 9 - Forum 2 (Stand G 63)

Reduce cleaning efforts and costs, scale-up with ease and confidence, speed up project change-over, improve facility utilization and secure product quality with ready-to-use and single use technologies: ReadyToProcess™ columns. AKTaready™ system, ReadyMate™ disposable aseptic connectors and more.

Veranstalter / Organizer: GE Healthcare Europe GmbH



Biotechnik / Bioengineering

15:15 - 15:40

English

Advanced TC™ eine optimierte Zellskulturoberfläche für die biotechnologische Forschung

Advanced TC™, an improved cell culture surface for biotechnological research

Dr. Lara Marchetti

Hall / Halle 9 - Forum 1 (Stand D 65)

Advanced TC™ facilitates cultivation of sensitive cells, deprivation of serum, improves cell adherence and morphology and increases cell transgene activity. Applications and advantages of this innovative non-biological compared to standard tissue culture surfaces are presented.

Veranstalter / Organizer: Greiner Bio-One GmbH



Pharmazie, Medizin / Medical and pharmaceutical applications

15:15 - 15:40

English

In Vivo Preclinical Imaging - Qualifizierung anatomischer, funktionaler und molekularer Biomarker mit Mikro-Ultrasound

In Vivo Preclinical Imaging - Quantifying Anatomical, Functional and Molecular Biomarkers with Micro-Ultrasound

Dr. Catherine Theodoropoulos

Hall / Halle 9 - Forum 2 (Stand G 63)

Dieser workshop beschreibt neue Entwicklungen im in-vivo-imaging im preclinical Imaging. Im Besonderen werden Beispiel für das Echtzeit (real-time) ultrasound imaging zur Durchführung von Embryologie, Krebs and Cardiovasculare Forschung vorgestellt. Ebenfalls werden Möglichkeiten für geführte "interventional procedures" (therapeutisch und toxisch) diskutiert.

This workshop will describe new developments in in vivo micro-imaging in Preclinical Imaging. Specifically, examples of real-time ultrasound imaging for performing detailed studies in embryology, cancer biology and cardiovascular research will be reviewed. Possibilities for guided interventional procedures (both therapeutic and toxic) will also be discussed.

Veranstalter / Organizer: VisualSonics B.V.



Biotechnik / Bioengineering

15:45 - 16:10

English

Biointerface - Analyse + Design + Anwendungen

Biointerface - Analysis + Design + Application

Prof. of Kyoto University Dr. Hiroo Iwata

Hall / Halle 9 - Forum 1 (Stand D 65)

BioBridge KANSAI Japan is a comprehensive contact organization in the Kansai's Life science related industries and academics to show an example of activities. We are organizing a seminar presented by Dr. Hiroo Iwata from "The Institute for Frontier Medical Sciences Kyoto University"

Veranstalter / Organizer: BioBridge Kansai



Pharmazie, Medizin / Medical and pharmaceutical applications

15:45 - 16:10

English

Der spektrale Fingerabdruck von Gewebe

The Spectral Fingerprint of Tissue

Dr. Raimund Leitner

Hall / Halle 9 - Forum 2 (Stand G 63)

Spectral Imaging (SI) combines the advantages of spectroscopy for the analysis of material composition and imaging methods for the inspection of inhomogeneous objects. Spectral images acquired by SI systems provide valuable information for medical applications in life science and biotechnology.

Veranstalter / Organizer: CTR Carinthian Tech Research AG



Biotechnik / Bioengineering

16:15 - 16:40

English

Das ConSense Analysesystem – Vorteile von Interaktionsmessungen von Biomolekülen in Lösung

The ConSense Analyser-Advantages of interaction analysis of Biomolecules in solution

Dr. Sebastian Giehring

Hall / Halle 9 - Forum 1 (Stand D 65)

The characterization of biomolecules is a critical and time consuming part of the development of new molecules for therapeutic and diagnostic purposes. Analysis in solution allows to measure the behavior of new candidates under quasi in-vivo conditions rather than surface based methods. The fluorescence based ASFS (accurate stochastic fluorescence spectroscopy) method utilizes a confocal reader system to interrogate freely diffusing molecules in solution. When those molecules bind or aggregate, their photo-physical properties and their diffusion time changes. These effects can be readily exploited to measure interactions and concentrations well below the nanomolar range and also detect and quantify aggregates. Here we present the results of several proof-of principle studies demonstrating the versatility and the sensitivity of the ConSense Analyzer.

Veranstalter / Organizer: fluIT Biosystems GmbH



Pharmazie, Medizin / Medical and pharmaceutical applications

16:15 - 16:40

German

Zellbasierte Echtzeitbestimmung als Alternative zu Tierversuchen

First Installation experience with xCELLigence in a German Biotech-Laboratory

Dr. Ulrich Leinfelder

Hall / Halle 9 - Forum 2 (Stand G 63)

Die moderne Zellanalytik bietet zahlreiche und innovative Methoden als Alternative zu Tierversuchen an. Ein Goldstandard stellt die Real-Time Messung von Zellen unter realen Bedingungen dar. Die neue Technologie des xCELLigence von Roche ist nun bei der Agenolab GmbH & Co. KG weltweit erstmals installiert.

Veranstalter / Organizer: Agenolab GmbH & Co. KG

Pharmazie, Medizin / Medical and pharmaceutical applications

16:45 - 17:10

English

New developments in disposable media and buffer preparations

Dr. Filip Willocx

Hall / Halle 9 - Forum 2 (Stand G 63)

ATMI LifeSciences developed contained powder transfer bags with an integrated Quick-Fit Tri-Clamp connection to improve ease of use and containment level for powder media and buffer preparation, both for small and large-scale operations and add to ATMI's broad disposable mixing technologies

Veranstalter / Organizer: ATMI LifeSciences



Thursday, 09 October / Donnerstag 09. Oktober

Biotechnik / Bioengineering

09:45 - 10:10

English

Online Monitoring of Fermentation and Cell Culture by Capacitance Measurement

Geoffrey Esteban (Fogale nanotech)

Hall / Halle 9 - Forum 1 (Stand D 65)

Capacitance measurements have been reported to be very promising and were extensively adopted in research laboratories and in the Biopharmaceutical industry. To demonstrate the advantage of monitoring biomass with capacitance, our Contribution reports on-line as well as conventional at-line process.

Veranstalter / Organizer: Cellogics



Biotechnik / Bioengineering

10:15 - 10:40

English

Vapor Compression Distillation for the Producti

Lee Comb

Hall / Halle 9 - Forum 1 (Stand D 65)

This presentation covers the operational design of the distillation process using a compressor to optimize the energy efficiency. This resulting energy savings is impacting the market for Water For Injection (WFI) production by producing a sterile water supply at lower costs relative to multi-effect distillation (MSD). The system design is explained; the efficiencies are outlined in contrast to MSD and a case-history is presented describing the operation of a Vapor Compression system producing WFI water in a large pharmaceutical plant.

Veranstalter / Organizer: Aqua-Chem Inc.



Ernährung / Nutrition applications

10:15 - 10:40

German

Verbraucherakzeptanz von Lebensmitteln mit gesundheitlichem Zusatznutzen

Consumer acceptance of functional food

Karin Wegner; Nadine Zern

Hall / Halle 9 - Forum 2 (Stand G 63)

Untersuchungsergebnisse zum Einfluss von Preis und Gestaltung der Aussage zum gesundheitlichen Mehrwert auf die Verbraucherakzeptanz von Lebensmitteln mit gesundheitlichem Zusatznutzen.

Veranstalter / Organizer: Georg-August-Universität Göttingen (IfE)



Biotechnik / Bioengineering

10:45 - 11:10

English

Biocentrum - Ihr Innovativer Biotechnologie Dienst- und Produktversorger

BioCentrum - Your Innovative Biotechnology Service & Product Provider

Milosz Gruca, PhD; Przemyslaw Samusik, MSc

Hall / Halle 9 - Forum 1 (Stand D 65)

BioCentrum, a polish biotechnology company based in Krakow, which specializes in biochemistry research services and products, as well as pre-clinical R&D. Together with academic partners, we also work on innovative enzymes with superb characteristics.

Veranstalter / Organizer: BioCentrum Sp. z o.o.



Biotechnik / Bioengineering

10:45 - 11:10

English

What`s on in Niedersachsen`s Life Science network/BioRegionN?

Dr. Albrecht Läufer

Hall / Halle 9 - Forum 2 (Stand G 63)

Latest developments in Niedersachsen`s core areas infection research, stem cell biology and neurosciences will be reviewed.

Veranstalter / Organizer: Life Sciences Niedersachsen BioRegionN



Ernährung / Nutrition applications

11:15 - 11:40

English

DIREVO Technologien für innovative Produkte im täglichen Leben

DIREVO Technologies for innovative products in everyday life

Anindya Mukherjee

Hall / Halle 9 - Forum 1 (Stand D 65)

DIREVO Industrial Biotechnology GmbH ("IBT") focuses on Food & Beverages, Animal Feed and Biorefineries. We provide solutions through discovery, development and scale up of proteins and strains, thereby, emphasizing environmental sustainability and the use of renewable resources.

Veranstalter / Organizer: Direvo Biotech AG



Biotechnik / Bioengineering

11:15 - 11:40

English

Gewinnung und Charakterisierung hochwertiger funktioneller Inhaltsstoffe aus Kartoffeln

Isolation and characterization of high-value functional ingredients from potatoes

Dipl.-Chem. Alain-Michel Graf

Hall / Halle 9 - Forum 2 (Stand G 63)

Employing the membrane adsorber technology two biologically active potato protein fractions can be isolated. Further enzymatic hydrolysis leads to a pool of uncharacterized peptides. Proteins and peptides have been separated and characterized using different methods and assays.

Veranstalter / Organizer: Leibniz Universität Hannover (IFTC)



LIFE SCIENCE SPOTLIGHT

12:00 - 14:00

English, German

Firmen der Fachgruppe LSR als Arbeitgeber

Hall / Halle 9 - Forum 2 (Stand G 63)

12:00 - 12:10

Sigma-Aldrich Chemie GmbH

Christian Wetzstein

12:12 - 12:22

Merck KGaA

Yvonne Schlasa

12:24 - 12:34

Eppendorf AG

Uwe Reimers

12:36 - 12:46

Invitrogen GmbH

Dr. Peter Schübler

12:48 - 12:58

Thermo Fisher Scientific GmbH

Karl Gerhard Hoppmann

13:00 - 13:10

Qiagen GmbH

Julia Kaiser

13:12 - 13:22

Promega GmbH

Dr. Peter Quick

13:24 - 13:34

Bio-Rad Laboratories GmbH

Friedel Horneff

13:36 - 13:46

Greiner-Bio-One GmbH

Karin Eppler-Moser

13:48 - 14:00

Serva Electrophoresis GmbH

Dr. Jürgen Dreher

Veranstalter / Organizer: Fachgruppe Life Science Research im Verband der Diagnostica-Industrie e.V.

