

NEW AND EMERGING TECHNOLOGIES

BIOTECH MEETS MEDICINE

18.-20. SEPTEMBER 2019

Program

September 5, 2019

WEDNESDAY, SEPTEMBER 18, 2019

- 09.15 **Registration**
- 10.00 **Welcome remarks to the 2nd „New and Emerging Technologies“ conference**
Stefan Kubick, Chairman glyconet BB, Germany
- 10.15 **Opening address**
Peter Albiez, Country Manager Pfizer Germany and Spokesman of the Cluster HealthCapital Berlin-Brandenburg, Germany
- 10.35 **The emerging Potsdam Science Park**
Agnes von Matuschka, Managing Director Potsdam Science Park, Germany
- 10.45 **Coffee Break**

Session 1**Glycobiotechnology**

Chairs: Véronique Blanchard, Charité – Universitätsmedizin Berlin, Germany & Stephan Hinderlich & Wolfgang Jabs, Beuth University of Applied Sciences, Berlin, Germany

- 11.45 **Biosimilar development or how optimising the glycosylation pattern matters**
Sarah Herrmann, UGA Biopharma GmbH, Germany
- 12:10 **Glycoengineering of the human embryonic kidney FreeStyle 293-F cell line towards prolonged bioavailability of recombinant coagulation factor VII**
Rico Uhler, Octapharma Biopharmaceuticals GmbH, Germany
- 12:35 **Biofunctionalized Materials - Combining polymers and functional biomolecules for new materials**
Ruben R. Rosencrantz, Fraunhofer IAP, Germany
- 13.00 **Lunch**
- 14:30 **Extended analytical workflow for biosimilar development**
Maria Parr, FU Berlin, Germany
- 14:55 **TIMS: Enabling Glycoanalysis with Ion Mobility**
Stuart Pengelley, Bruker Daltonik GmbH, Germany
- 15:20 **Coffee & Poster Session**

kindly supported by:

Economic Development
Agency | **Brandenburg**



EUROPEAN UNION
European Regional
Development Fund

NEW AND EMERGING TECHNOLOGIES

BIOTECH MEETS MEDICINE

18.-20. SEPTEMBER 2019

THURSDAY, SEPTEMBER 19, 2019

Session 2

Antibody Technologies

Chair: Lars Stöckl, Glycotope GmbH, Germany

- 09.30 **Paracrine delivery of antibodies**
Dominik Brücher, University of Zurich, Switzerland
- 09.55 **Using dendritic cell biology to create immunogenic cancer vaccines**
Erik Manting, Dcprime bv, The Netherlands
- 10.20 **Antibody Engineering to Improve Effector Cell-Mediated Tumor Cell Killing in Cancer Immunotherapy**
Matthias Peipp, University Medical Center Schleswig-Holstein, Kiel University
- 10.45 **Immunomodulatory properties of the glyco-engineered anti-EGFR antibody Tomuzotuximab and rationales for IO combinations**
Phillip Schiele, Glycotope GmbH, Germany
- 11.10 **Coffee Break**

Session 3

Aptamers and Functional Nucleic Acids

Chair: Marcus Menger, Fraunhofer IZI-BB, Germany

- 11.30 **Synthetic genetics: beyond DNA and RNA**
Philipp Holliger, MRC Laboratory of Molecular Biology, UK
- 11.55 **Diagnosing Disease with Aptamers – Chemistries, Nanostructures and Pulsatilities**
Julian Tanner, Hong Kong University, Hong Kong
- 12.20 **From modified nucleotides to protein networks. Aptamers in high-content proteomics.**
Nebojsa Janjic, SomaLogic, Inc., USA
- 12.45 **RNA aptamers as genetic control devices – the potential of riboswitches as synthetic elements for regulating gene expression**
Beatrix Süß, TU Darmstadt, Germany
- 13.10 **Lunch**

Session 4

Novel Targets and Drug Delivery Systems

Chair: Stephan Schilling, Fraunhofer IZI, Germany

- 14.30 **Viromer-mediated delivery of therapeutic mRNAs in vitro and in vivo**
Holger Cynis, Fraunhofer IZI, Germany
- 14.55 **Structural Analysis of Glycosylated Meprin Endoproteases**
Dagmar Schlenzig, Fraunhofer IZI, Germany
- 15.20 **Targeting Amyloidosis**
Anja Schulze, Fraunhofer IZI, Germany
- 15.45 **Coffee & Poster Session**
- 18.00 **Conference Dinner**

kindly supported by:

Economic Development
Agency | **Brandenburg**



EUROPEAN UNION
European Regional
Development Fund

NEW AND EMERGING TECHNOLOGIES

BIOTECH MEETS MEDICINE

18.-20. SEPTEMBER 2019

FRIDAY, SEPTEMBER 20, 2019

9.30 **Welcome Address Final Day**
Florian Schlehofer, Economic Development Agency Brandenburg, Head of Cluster Management Healthcare Industries, Germany

Session 5 Advanced Imaging Techniques
Chairs: Claudia Nold, Hudson Institute of Medical Research, Australia & Stefan Kubick, Fraunhofer IZI-BB, Germany

09.45 **Advances in Micro-Imaging methods for studying Haemostasis**
Steve Lee, ANU College of Engineering and Computer Science, Australia

10.15 **Imaging the dynamics of immune responses to virus infection**
Scott Mueller, University of Melbourne, Australia

10.45 **Coffee Break & Poster Session**

11.30 **Application of synchrotron microangiography to fast high-resolution cardiopulmonary vascular imaging**
James Pearson; National Cerebral and Cardiovascular Center Research Institute, Japan

12.00 **Advanced Imaging Techniques - the End-User's Perspective.**
Marcel Nold, Monash University, Hudson Institute of Medical Research, Australia

12.30 Closing Remarks & Poster Award | End of Conference

12.45 **Lunch**

CONFERENCE DETAILS

Venue: Fraunhofer Conference Center
Potsdam-Golm, Germany

Further information and registration:
www.glyconet.de/net.2019

Contact: event@glyconet.de

Poster presentation:

Posters can be submitted directly to event@glyconet.de
A poster award will be given to the best poster presentation.

Conference fee:

Regular fee: 195 EUR
Student fee: 80 EUR
glyconet BB members: free of charge

kindly supported by:

Economic Development
Agency | **Brandenburg**



EUROPEAN UNION
European Regional
Development Fund