

Workshop on Bioanalysis 2009

23.-24.11.2009

Hotel Märkischer Hof, Poststrasse 8, 14943 Luckenwalde

Organized by Ulla Wollenberger (University of Potsdam), Axel Warsinke (University of Potsdam), Fred Lisdat (THW Wildau) and Nenad Gajovic-Eichelmann (FhIBMT Potsdam Golm)

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PROGRAM

Monday, Nov 23	
09.00	Arrival
09.20	Opening
09.30	Plenary Lecture Katja Heilmann "New strategies in generating monoclonal antibodies" (UP, Potsdam Golm)
10.00	Christian Witte "Impedimetric detection of DNA binding molecules" (THW, Wildau)
10.15	Merlin Tientcheu "Towards Electrochemical Affinity Sensors with PQQ Dependent Glucose Dehydrogenase as Label Enzyme" (UP, Potsdam Golm)
10.30	Matthias Grießner "Detection of angiotensin II type 1 receptor ligands by a cell-based assay" (UP and FhIBMT, Potsdam Golm)
10.45	Sebastian-Timm Schmitz-Hertzberg "Encapsulation of autonomous biosensors" (FhIBMT, Potsdam Golm)
11.00	Coffee
11.30	Plenary Lecture Niko Hildebrandt "Quantum dot biosensors for ultra-sensitive multiplexed diagnostics" (FhIBMT, Potsdam Golm)
12.00	Michael Breitenstein: "How to generate DNA Nanoarrays?" (FhIBMT, Potsdam Golm)
12.15	Katja Schulze "LAMP vs. RT-PCR to detect the Potato spindle tuber viroid" (THW, Wildau)
12.30	Gero Göbel "Bionzyme electrodes based on BOD-carbon nanotubes contacts" (THW, Wildau)
12.45	Christian Kepplinger "Characterization of protein assembling in multilayers using E-QCM-D" (UP, Potsdam Golm and THW, Wildau)
13.00	Lunch
14.30	Matthias Kinne "Peroxygenases from Mushrooms: Extracellular Heme-thiolate Proteins of a New Enzyme Sub-subclass?" (Internationales Hochschulinstitut Zittau)
14.45	Lei Peng "Bioelectrocatalytic properties of Aap" (UP, Potsdam Golm)
15.00	Arto Badalyan "Electrochemical behaviour of YagTSR- aldehyde oxidoreductase and biosensor" (UP, Potsdam Golm)
15.15	David Sarauli "Investigation of different polyelectrolytes as building blocks in electroactive multilayers" (THW, Wildau)
15.30	Coffee
16.00	Irene Schmilinsky "New Chromophores for Dye-Sensitised Solarcells" (FhIBMT, Potsdam Golm)
16.15	Murat Sezer "Combined Electrochemical and SERRS-spectroscopic Study of human Sulfite Oxidase" (TU, Berlin)
16.30	Stefan Reschke "Investigations on the binding and insertion of Moco to molybdoenzymes in <i>E.coli</i> " (UP, Potsdam Golm)
16.45	Plenary Lecture Vladimir Mirsky "Surface Plasmon Resonance Spectroscopy" (Hochschule Lausitz, Senftenberg)
17.15	End

Tuesday, Nov 24

9.30	Plenary Lecture Stefan Kubick "Advances in Cell-Free Protein Expression: In vitro Synthesis of Membrane Proteins" (RiNA GmbH, Berlin)
10.00	Oliver Gros: "Computer-based knowledge extraction from pathological texts" (FhIBMT, Potsdam Golm)
10.15	Paul Hammer "CNS transcriptome reprogramming in chronic pain mapped by mRNA-seq" (THW, Wildau)
10.30	Soeren Schumacher "Boronic Acids as Tools for Saccharide Recognition" (FhIBMT, Potsdam Golm)
10.45	Coffee
11.15	Plenary Lecture Hakan Dortay "Protein expression <i>in vitro</i> and <i>in vivo</i> in multiple organisms" (UP, Potsdam Golm)
11.45	Mathias Paulo Christoph "Expression of avi-tagged proteins <i>in planta</i> " (UP, Potsdam Golm)
12.00	Lars Radke "Establishment of bead-based multiplex-methods with a suspension array system" (THW, Wildau)
12.15	Umporn Attakomrattanakul "Molecularly Imprinted Polymers for Recognition of Nitro Group of Nitrofurantoin" (FhIBMT, Potsdam Golm)
12.30	Closing
12.45	Lunch