

## ***Workshop on Bioanalysis, November 19-20, 2007, Luckenwalde, Hotel Märkischer Hof***

Organised by Prof. Frieder W. Scheller, University of Potsdam  
& Prof. Fred Lisdat, Wildau University of Applied Sciences

### **Monday, November 19**

9.30 a. m. Introduction by F. W. Scheller and F. Lisdat

9.40 a. m. J.-M. Kaufmann, Université Libre de Bruxelles, B :  
**Electrochemical Immunosensors**

10.25 a. m. R. E. Carlson, Receptors LLC, Chaska, USA:  
**Receptors: Affinity by Design**

11.00 a. m. M. Beissenhirtz, University of Potsdam, D:  
**New DNA Assemblies on Surfaces for Diagnostic Purposes**

*11.20 a. m. – 12.30 Lunch break*

12.30 p.m T. Balkenhohl, TFH Wildau, D:  
**Polyelectrolyte-Modified Gold Electrodes for the Impedimetric  
Detection of Antibodies**

12.50 p. m. N. Loew, Institute of Biomedical Engineering, D:  
**Osmium Reconstituted Horseradish Peroxidase**

1.10 p. m. Ch. Tientcheu, University of Potsdam, D:  
**Towards Electrochemical Affinity Sensors with PQQ  
Dependent GDH as Label Enzyme**

1.30 p. m. K. Schroeder, University of Potsdam, D:  
**Oxygenase Domain of nNOS-Electrochemical Behavior and  
Catalysis**

- 1.50 p. m. T. Khaokhiew, Mahidol University of Bangkok, T:  
**Electrochemical Sensor for Functional Assay of the Bacillus thuringiensis Cry4Ba Toxin**
- 2.10 p. m. A. Kupstat, University of Potsdam, D:  
**Spectroscopic Characterisation of a Hapten and its Interaction with an Antibody**  
*3 p. m. – 5 p. m. bowling*
- 5.30 p. m. R. Dronov, University of Potsdam, D:  
**Approaches for Protein-Enzyme Integration into Polyelectrolyte Multilayers Based on Direct Electron Transfer**
- 5.50 p. m. R. Spricigo, University of Potsdam, D:  
**Electrochemical Studies and Biosensor Based on Sulfite Oxidase**
- 6.10 p. m. K. Schubert, TFH Wildau, D:  
**Voltammetric Investigation of BOD Bound to MWCNT-Modified Gold Electrodes**
- 6.30 p. m. F. Wegerich, TFH Wildau, D:  
**Cytochrome c Mutants for Superoxide Biosensors**

*7 p. m. Dinner*

## **Tuesday, November 20**

- 9 a. m. P. Skladal, Masaryk University, Brno, Cz:  
**Detection of Pathogens Using Biosensors**
- 9.30 a. m. C. Teller, University of Potsdam, D:  
**A Bifunctional Recognition Layer Based on Haptenized Cholinesterase**
- 9.50 a. m. A. Tausche, TFH Wildau, D:  
**Statistical Pattern Classification of Albumin ESR Spectra for Early Diagnosis of Cancer**  
*10.10 a. m. – 11.00 a. m. Coffee break*
- 11.00 a. m. M. Grohme, TFH Wildau, D:  
**Genomics to Investigate Cryptobiosis in Tardigrades**

11.20 a. m. K. Lietzau, TFH Wildau, D:  
**ESPI Electronic Speckle Pattern Interferometry for Microsized  
Technical and Biological Systems**

11.40 a. m. A. Böhme & R. Werner, TFH Wildau, D:  
**The Wild(au) Life Manufacturing Center**

*12.00 a. m. – 1 p. m. Lunch*

1 p. m. R. Rajkumar, Fraunhofer Institute of Biomedical Engineering, D:  
**Label-Free Sensing Using Molecular Imprints**

1.20 p. m. S. Schumacher, Fraunhofer Institute of Biomedical Engineering, D:  
**Development of New Contrast Agents for MRI**

1.40 p. m. Ch. Mißler, Fraunhofer Institute of Biomedical Engineering, D:  
**Differentiation of Mouse Embryonic Stem Cells in Microfluidic  
Devices**

2 p. m. I. Guido, Fraunhofer Institute of Biomedical Engineering, D:  
**Electric Deformability as a New Cellular Marker**

*2.20 p. m. – 2.40 p. m. Coffee break*

2.40 p. m. B. Danielsson, Lund University, S:  
**Lectin Panels for Analysis of Glycoproteins and Bacteria**

3.10 p. m. J. Halamek, University of Twente, NL:  
**Development of Gold Nanoparticle-Based Immunosensors**

3.50 p. m. Visit to Biotechnologiepark Luckenwalde

6 p. m. Dinner

**Location:** **Hotel Märkischer Hof**  
Poststrasse 8  
14943 Luckenwalde  
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**How to get there:** By train from Berlin Hauptbahnhof  
Departure: 8.17 a. m.  
Arrival: 8.52 a. m.  
To hotel Märkischer Hof: 8 minutes on foot