BIOELECTROCHEMISTRY AND MORE ……..

Monday, June 13th

9.00: PhD Student Seminar with Poster Session

11.30: **Lunch**

12.30: Welcome – Christoph Kleber (CEST), Wolfgang Knoll (AIT)

12.40: Organic Bio-Electronic Sensors for Ultra-Sensitive Detection, Luisa Torsi

13.20: Biomimetic Integrated Nanosystems Based on Solid-State Nanopores: Nanofluidic-Enabled „Iontronic" Transduction of Biological, Chemical and Physical Stimuli, Omar Azzaroni

14.00: Interfacing with the Brain Using Organic Electronics, Georges Malliaras

14.40: **Coffee and Posters**

15.30: Analysis of Molecules and Macromolecules at Electrolyte/Solid Interfaces – Interface Chemistry, Self-Organization and Interfacial Forces, Guido Grundmeier

16.10: Detection of Unlabeled Biomolecules Using Simplified Reflective Interferometry, Lewis Rothberg

17.00: Electrochemical Biosensor Systems for POC Diagnostics, Martin Weber

17.40: A Decaheme Cytochrome as a Molecular Electron Conduit in Dye-Sensitized Photoanodes, Lars J. C. Jeuken

18.20: **End of Lecuture Day 1**

Tuesday, June 14th

9.00: Biosensing for Molecular Diagnostics: Current Trends and Perspectives, Maria Minnuni

9.40: Coupling and monitoring chemical fluxes of microstructured enzyme layers, Gunther Wittstock

10.20: Ultra-Sensitive System to Detect Minute Ionic Gradients within Glioma Cells, Paulo Rocha

11.00: **Coffee**

11.30: Semiartificial Photosynthesis. How to Wire Photosystem 1 and 2 to Electrodes, Wolfgang Schuhmann

12.10: Selective and Reversible Ion-Detecting Sensor Elements in Aqueous Environment Based on Organic Electronic Devices, Emil J.W. List-Kratochvil

12.50: **Lunch and Posters**

13.30: Mechanical and optical sensing of biological systems using thin film electronics, Ioannis Kymissis

14.10: Bioelectronic Nose and Tongue: Integration of Human Receptors and Nano Devices, Tai Hyun Park

14:50: Electronic Plants, Magnus Berggren

15.30: **Closing Remarks**

15.40: **End (Lab Tour optional)**