



Scientific Program

Oral presentations

Friday, August 23rd 2013

New Technologies

- 9:00 – 9:30 **A.S. Karimullah, D.R.S. Cumming, M. Riehle, N. Gadegaard (United Kingdom)**
Development of a Conducting Polymer Cell Impedance Sensor
- 9:30 – 10:00 **S. Ingebrandt (Germany)**
Electric cell-substrate impedance sensing with field-effect transistors with single cell and subcellular lateral resolution
- 10:00 – 10:30 **S. Michaelis, J. Wegener and R. Robelek (Germany)**
Label-Free Monitoring of Cell-Based Assays: Combining Impedance Analysis with SPR for Multiparametric Cell Profiling
- 10:30 – 11:00 **Coffee Break**
- 11:00 – 11:15 **M. Oberleitner, S. Michaelis and J. Wegener (Germany)**
Combining ECIS with the Quartz Crystal Microbalance (ECIS-QCM):
Cytomechanics and Cell Shape Monitored Simultaneously

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| 11:15 – 11:30 | <u>J.K.Y. Law</u>, F. Hempel, B. Qu, X.T. Vu, X. Zhou, M. Hoth, and S. Ingebrandt (Germany) Differential Adhesion of Single Human Cytotoxic T Cells |
| 11:30 – 11:45 | F. Liu and <u>I. Voiculescu</u> (USA) Integration of Impedance Spectroscopy Technique with Gravimetric Measurements for Cell Culture Monitoring |
| 11:45 – 12:00 | <u>X.T. Vu</u>, J.K.Y. Law and S. Ingebrandt (Germany) Electric Cell-Substrate Impedance Sensing with Silicon Nanowire Transistors Could Possibly Enable Ultrahigh Lateral Resolution |
| 12:00 – 12:15 | <u>J. Schächtele</u> and J. Stein (Germany) Towards Spatially Resolved Impedance Analysis of Adherent Cells |
| 12:15 – 12:45 | Farewells |
| 12:45 – 14:00 | Lunch |
| 14:00 - | Guided Sightseeing Tour in Budapest with busses |