



Scientific Program

Oral presentations

Wednesday, August 21st 2013

8:30 – 9:00

Welcomes - Opening Ceremony

Cell Migration

*page of
abstract*

9:00 - 9:30

L. Kőhidai, O. Láng, E. Lajkó, J. Láng, L. Polgár and G. Mező (Hungary)

Impedimetry assays– Dedicated Ways to Evaluate Migratory Behavior of Cells

9:30 – 10:00

O. Láng, K. Nagy, J. Láng, K. Perczel-Kovách, G. Varga and L. Kőhidai (Hungary)

Monitoring Dental Stem Cells on Self-Assembling Peptide Hydrogel Scaffold by Impedance Based Techniques

10:00 – 10:15

F. Graf, P. Horn, C. Maercker, A. Ho and M. Boutros (Germany)

Screening for Mediators of Bone Metastasis

10:15 – 10:30

E. Lajkó, P. Bányai, É. Szőke and L. Kőhidai (Hungary)

Natural Cancer Therapeutics – The Effects of Anthraquinones Derived from *Rubia Tinctorum* L. on Melanoma Cell Lines

10:30 – 10:45

Y. Amoozadeh, F. Waheed, Q. Dan and K. Szaszi (Canada)

Molecular Mechanisms Mediating TNF- α -Induced Barrier and Migration Changes in Tubular Epithelial Cells

10:45 – 11:15

Coffee Break

Nanoparticles / Pulmonary Applications

11:15 – 11:45

M. Sperber, S. Michaelis, J. Stolwijk, B. Goricnik and J. Wegener (Germany)

Advanced Toxicity Profiling Using Individual or Sequences of Impedance-Based Cellular Assays

11:45 – 12:00

C. Hupf and J. Wegener (Germany)

A Sequence of Impedance-Based Assays to Analyze the Cytocompatibility of Silica Particles

12:00 – 12:15

M.A. Deli, S. Veszelka, L. Kiss, A. Bocsik, F.R. Walter, P. Sipos, P. Szabó-Révész (Hungary)

Measurement of Nanoparticle Toxicity on Different Barrier Cell Types with Colorimetric and Impedimetry Based Cellular Assays

12:15 – 12:30

M.-M. Lemberger; Th. Hirsch, O. S. Wolfbeis and J. Wegener (Germany)

Monitoring the Influence of Carbon Dots on Animal Cells via Impedance Analysis

12:30 – 14:00

'Welcome to Budapest' - Lunch

Advanced Data Analysis

14:00 – 14:30

C.-M. Lo (Taiwan)

Analysis of Impedance Fluctuations due to Cell Micromotion

14:30 – 14:45

M. Sperber and J. Wegener (Germany)

Resistance Readings as a Measure for Epithelial Barrier Function: Watch out for Misinterpretations!

14:45 – 15:15

F. J. Bonetto and M.I. Bellotti (Argentina)

The use of Programmable Logic Devices in ECIS

15:15 – 15:30

M.I. Bellotti, W. Bast and Fabian J. Bonetto (Argentina)

Measurement of a Single Cell in a Confluent Monolayer
using a Microelectrode and the ECIS Technique.

T.H. Tung and C.M. Lo (Taiwan)

15:30 – 15:45

Use of Discrete Wavelet Transform to Analyze
Impedance Fluctuation Obtained from Cellular
Micromotion

16:00 – 18:00

**Poster session 1
(P1 – P20)**

Wine and Cheese Party