

Chemotaxis 2012 Workshop

- * Cell adhesion * Chemotaxis *
- * Drug targeting *
- * Protein design and synthesis *
- * Nanobiology *

Venue: NET Conference Room, SU

14⁰⁰-18⁰⁰ November 9. 2012.

Oral presentations

Adaptation of peptide chemistry results to cell physiology

- 14.10- Mező Gábor
14.30 Development of anti-tumor drug – peptide conjugates for combined targeted tumor therapy. Concepts of OTKA grant awarded.
14.35- Hegedüs Rózsa, Orbán Erika, Szabó Ildikó,
14.50 Mező Gábor
Synthesis and assay of GnRH-III- Daunorubicin conjugates containing short chain fatty acids acting on chemotaxis of neutrophil granulocytes.
14.55- Enyedi Kata Nóra, Lajkó Eszter, Kóhidai
15.10 László, Mező Gábor
Correlations between stability of cycloNGR peptides and their effects on cell adhesion.

- 15.15- Szabó Ildikó, Bősze Szilvia, Mező Gábor
15.30 Designe and synthesis of antiadhesive GnRH-II conjugates

Break

Novel results gained by tools of biophysics

- 15.45- Nagy Krisztina, Láng Orsolya, Láng
16.00 Júlia, Kóhidai László, Varga Gábor
Investigations of dental stem cells – cell adhesion and proliferation on HydroMatrix.
16.05- Láng, O., Dávid, G., Wegener, J.,
16.20 Kóhidai, L.
Time dependent electrical noise of the melanoma cell lines recorded in ECIS .
16.25- Polgár Livia, Soós Pál, Kóhidai László
16.35 Investigations of platelet adhesion induced by heparine - applications of impedimetry as a new technique.
16.40- Lajkó Eszter, Bányai Péter, Szóke Éva,
16.50 Kóhidai László
In vitro investigations of antracine derivatives of *Rubia tinctorum* in melanoma model cells.

- 16.55-
17.05

Break

Cell adhesion and chemotaxis as reference indices of cellular responsiveness

- 17.15- Pomázi Katalin, Láng Júlia, Láng
17.25 Orsolya, Bősze Szilvia, Mező Gábor, Kóhidai László
Impact of native and OT20 conjugated W-S-EWS peptides on the migration and cell adhesion of human and mouse cell lines
17.30- Láng Júlia, Láng Orsolya., Kóhidai
17.40 László
Cell biological effects of aquatic contaminant human pharmaceuticals: a comparison of eukaryotic unicellular model and three human cell lines
17.45- Kóhidai László, Lajkó Eszter, Láng Júlia,
18.00 Láng Orsolya, Vizi Tímea, Csaba György, Pállinger Éva
Apoptotic and anti-apoptotic effects of prenatal drugs in BeWo human trophoblast cells.

- 18.05 **Concluding remarks**

Poster presentations

- Kóhidai, L., Láng, O., Simonyi, D., Láng, J., Lajkó, E., Oláh, Cs., Pungor, A. Cell physiological effects elicited by silver nanoparticles - cytotoxicity, cell adhesion and migration monitored by impedanciometry in human THP-1 monocyte and HMEC-1 endothe cell lines.
Lajkó, E., Polgár, L., Leurs, U., Manea, M., Szabó, I., Mező, G., Kóhidai, L. Significance of cell adhesion and chemotaxis in therapeutic targeting of tumor cell lines by cytotoxic GnRH-III conjugates.