

III. MediChem Conference
Chairperson: Szántay Csaba

Programme

17th March, Wednesday

9.30 Opening addresses
Gábor Pálincás, Director-in-Chief
Csaba Szántay, Project Leader

Chairperson: Csaba Szántay

10.00 György Hajós: New structural rearrangements of nitrogen-heterocycles and related compounds

10.30 Péter Fügedi: New synthesis strategy for glycoseaminoglycane oligosaccharides

11.00 Anna Magyar, Melinda Ligeti, László Kocsis, Zoltán Bánóczy, Gábor Mező, Ferenc Hudecz: Syntheses and effects of neuropeptides

11.30 Ferenc Orosz, Judit Ovádi: Two new antimetabolic molecules: a brain-specific protein (TPPP/p25) and a pharmacophore (KAR-2)

Lunch break: 12.00-13.30

Chairperson: Gábor Blaskó
13.30 Gábor Blaskó: 2,3-Benzodiazepine anxiolytics

14.00 Lajos Novák: Preparation of new CNS-active and cell growth inhibiting substances

14.30 Julianna Kardos: Design, binding and *in vitro* functional studies of new excitatory and inhibitory compounds on validated target molecules

15.00 Gábor Juhász, Miklós Palkovits: *In vivo* studies of uridine and its derivatives, development of an *in vivo* model of ischemic tolerance and search for new target molecules by proteomics methods

18th March, Thursday

Chairperson: László Patthy

9.30 János Szolcsányi: R&D results and perspectives of antiinflammatory analgetics acting on nociceptors

10.00 György Kéri, Miklós Idei, János Seprődi, Gyöngyi Bakonyi, Richárd Schwab, Frigyes Waczek, Dániel Erős, László Órfi: Design, synthesis and characterisation of libraries of molecules inhibiting signal transmission

10.30 Richárd Schwab, Edit Várkonyi, Eszter Schäfer, Gyöngyi Bökönyi, Edit Szabó, Beatrix B. Németh, György Kéri, Ákos Pap: Screen systems supporting rational drug design on focussed chemical libraries

11.00 László Cervenák, Melinda Oroszlán, Eszter Herczenik, László Romics, Tamás Vidóczy, György Kéri, László Órfi, György Füst: Investigation of receptor tyrosine kinase inhibiting compounds on endothelial cells

11.30 Tamás Vidóczy, Péter Baranyai, Janka Tatai, Klára Szegletes: Characterisation of the phototoxicity of drug candidate molecules

Lunch break: 12.00-13.30

Chairperson: János Szolcsányi

13.30 Márton Jani, Hedvig Tordai, Mária Trexler, László Bányai, László Patthy: Synthesis of selective inhibitors of matrix metalloprotease 2 (MMP-2), a validated target participating in tumour metastasis

14.00 Béla Szende: Affecting cell proliferation and cell death by peptides, peptidomimetics and hydroxymethylated arginine derivatives

14.30 Miklós Sass: Identification of genes participating in type-II cell death in *Drosophila*

15.00 Károly Rác: The relationship between glucocorticoid receptor gene variants and bone metabolism

15.30 Molnár Béla, Galamb Orsolya, Sipos Ferenc, Tulassay Zsolt: Target gene identification in erosive and tumour samples by mRNS expression chips

19th March, Friday

Chairperson: Balázs Sarkadi

9.30 Miklós Simonyi: Results on non-covalent interactions: carotinoids, receptors, proteins, nucleic acids

10.00 Árpád Furka, Naran Gombosuren, Bernadett Bacsa, Gábor Dibó: High-throughput binding studies with the use of fluorescence-labelled proteins

10.30 László Biczók: Photostability studies and the development of a new fluorescent label

11.00 Judit Jakus: Development of methods to measure free radical formation in human and animal samples

11.30 Klára Szentmihályi, Anna Blázovics, József Balla, Gabriella Taba, Béla Lakatos, Péter Vinkler: Preparation of metallic compounds with ligands of natural origin and the study of their antioxidant properties

Lunch break: 12.00-13.30

Chairperson: Kardos Julianna

13.30 Tibor Kremmer, Borbála Vincze, Károly Vékey, Éva M. Szöllősi, Krisztina Ludányi, Mariann É. Boldizsár, Tímea Imre, Gábor Mező, Orsolya Csuka, Dezső Gaál: Preparation and antitumour effect of target specific peptides and antimetabolite enzyme inhibitor conjugates. Investigation of the structure and marker properties of human serum acidic alpha-1-glycoprotein (AGP)

14.00 Ferenc Hudecz, Annamária Jakab, Zoltán Bánóczi, Zsanett Miklán, Nikolett Mihala, György Kóczán, Judit Reményi, Rita Szabó, Gábor Mező: Targeting antitumour drugs by peptides

14.30 András Váradi, Balázs Sarkadi: Mechanism of action of MRP-type multidrug transporters

15.00 László Vereczkey: Enzyme induction study of the compound GYKI-47261

15.30 Concluding remarks

Csaba Szántay, Project Leader

Gábor Pálinkás, Director-in-Chief