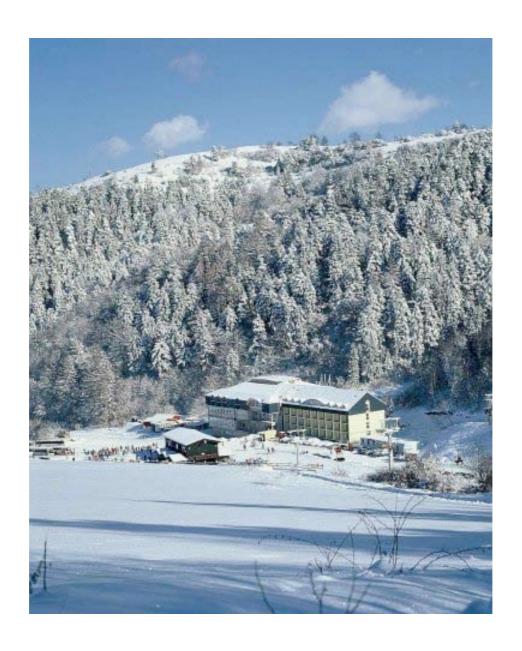
1st Molecular Cell and Immune Biology (MCIB) Winter School



Krompachy, Slovakia

January 8-11, 2008

1ST Molecular Cell and Immune Biology (MCIB) Winter School

Program:

January 8.

8am Departure from the LSB parking area 8:30-8:45am Departure from the Student Hostel

3:00pm: Arriving Krompachy

4:30-7:00pm **Section 1:**

Nuclear Hormone Receptor Research Laboratory

4:30-4:45

Laszló Nagy: Introduction

Regular talks

4:45-5:00

Attila Szántó: Regulation of aP2 by PPARy

5:00-5:15

Britt Nakken: PPARy regulated CathepsinD expression in dentritic cells

5:15-5:30

Lajos Széles: Identification and characterization of vitamin D3 signaling and primary transcriptional targets in early phases of human dendritic cell development

Chair: Péter Boross

5:30-5:45

Dániel Törőcsik: Activation of LXR during DC differentiation potentates the response to LPS signaling.

5:45-6:00

Adrienn Gyöngyösi: CD82 a new potential target gene of PPARy

6.00-6.15

Szilárd Póliska: Genetic characterizaton of a complex human disease

Hot topic

6:15-6:30

Attila Pap: Regulated retinoid production by DCs: link to autoimmune diseases

Techniques

6:30-6:40

Bálint L. Bálint. The Needle in a Haystack - Revealing Biology Behind the Chip on Chip Data Clusters

6:40-6:50

Péter Brázda: Detection of molecular mobility in living cells - Investigation of RXR-dynamics using fluorescence microscopy

Unsolved mysteries:

6:50-7:00

László Nagy: The endogenous ligand of PPARy

7:00pm Dinner

January 9.

7:00am: Breakfast

8:00-11:00am **Section 2**:

Apoptosis Research Group

Keynote

8:00-8:30

Laszlo Fesus: Transglutaminase 2, Phagocytosis of dying cells, Inflammation

Chair: Beáta Scholtz

Hot topic

8:30-8:50

Goran Petrovski and Gizem Ayna: Engulfed autophagic cells can induced inflammasome formation

Regular talks

8:50-9:05

Ilma Korponay-Szabo: Induction of transglutaminase antibodies by deamidated gliadin peptides

9:05-9:20

Zsófia Vecsey and Boglárka Tóth: Epitope mapping of coeliac antitransglutaminase immunglobulins

9:20-9:35

Zoltán Balajthy: Functional analysis of TG2 siRNA expressing NB4 cells in the process of ATRA induced neutrophil granulocyte differentiation

9:35-9:50

Krisztián Csomós: Gene expression analysis of TG2 deficient neutrophils

9:50-10:05

András Mádi: Investigation on glycosylated proteins from apoptotic NB4 cells differentiated toward neutrophils

10:05-10:20

Gábor Keresztes and Zoltán Doró: Characterization of mononuclear phagocytes based on their phagocytic capacity

10:20-10:35

Zoltán Nemes: Pätnást minut vyrecnost v Krompachy

Techniques

10:35-10:45

Gábor Zahuczky: TLDA and gene silencing of apopto-phagocytic genes in macrophages

Unsolved mysteries

10:45-10:55

Judit Hodrea: Is TG2 present on the surface of macrophages and dendritic cells?

Chair: Bálint L. Bálint

10:55 - 11:05

Éva Csősz: Substrate specificities of TG2

11:00am-4:30pm Skiing or Bustrip

5:00-7:00pm: **Section 3**:

Laboratory of Retroviral Biochemistry

Keynote

5:00-5:30

József Tőzser: Retroviral processing as target for chemotherapy

Regular talks

5:30-5:45

Péter Boross: Inhibition and structural studies with GRL-98065, a potent HIV-1 protease inhibitor

5:45-6:00

Pálma Bander: Kinetic analysis of wild-type and mutant HIV-1 proteased being in a fusion form

6:00-6:15

Gabriella Miklóssy: Macromolecular inhibitors of HIV-1 protease

Department of Biophysics and Cell Biology

Keynote

6:15-6:45

Gábor Szabó: Landmarks of infinite landscapes: rafts in the cell membrane and rifts in the chromatin.

Regular talk

6:45-7:00

Zsolt Bacsó: Versatile methods for molecular cell biological applications: LSC and flow-cytometric microbead assays

7:00pm: Dinner

January 10.

7:00am: Breakfast

8:00-11:00am: Section 4: Chair: Zsolt Bacsó

Laboratory of Apoptosis Signaling

Keynote

8:00-8:30

Zsuzsa Szondy: Signals regulating thymocyte selection processes besides the T cell receptor

Regular

8:30-8:45

Katalin Tóth: Retinoids promote the glucocorticoid-mediated death of thymocytes

8:45-8:55

Krisztina Köröskényi: Inhibition of proinflammatory cytokine production of macrophages by apoptotic cells

Hot topic

8:55-9:10

Beáta Tóth: Role of tissue transglutaminase in the phagocytosis of apoptotic cells

Department of Immunology

Keynote

9:10-9:40

Attila Bácsi: The role of plasmacytoid dendritic cells in innate and adaptive immunity

The Laboratory Animal Core Facility Regular talks

9:40-9:50

Tamás Rőszer: The Laboratory Animal Core Facility in 2008

9:50-10:00

Tamás Rőszer: Characterization of bone and lipid homeostasis abnormalities in diabetic animals deficient in macrophage nuclear receptor signaling

Proteomics Core Facility

Regular talks

10:00-10:20

Sperka Tamás: Current and future services of the Proteomics Core Facility

10:20-10:30

Kamilla Bereczki: Application of MALDI-TOF mass spectrometer for protein and peptide studies

Nucleic Acid Research Laboratory

Regular talk

10:30-10:45

János Aradi: New results on the biological activity of modified nucleotides

10:45-11:00

György Fenyőfalvi: Development of new qPCR based telomerase assay: Telometrix 1.0

Unsolved mysteries

11:00-11:10

János Aradi: Partially solved mystery: mode of action of s⁴UMP, at two levels

11:10am-4:30pm Skiing or Bustrip

5:00-7:00pm **Section 5**:

Clinical Genomics Center

Keynote

5:00-5:15

Beata Scholtz: Genomics Center 2007

Regular talks

5:15-5:30

Gabor Boros Investigation of CpG island methylation in small cell lung cancer

Chair: Gábor Keresztes

5:30-5:45

Zsolt Czimmerer: Tumor-specific microRNAs in small cell lung cancer

5:45-6:00

Edit Miko: Potential role of microRNAs in the metastatic phenotype of SCLC

Laboratory of Nutritional Bioactivation and Bioanalysis

Keynote

6:00-6:20

Ralph Rühl: Carotenoid and PUFA metabolites as novel activators of nuclear hormone receptors: An Update

Regular talks

6:20-6:30

Gamze Aydin: Effect of lycopene and lycopene metabolites on nuclear hormone pathway activation

6:30-6:40

Janine Gericke: Influence of lutein on β-carotene mediated nuclear receptor specific gene induction in in vitro and in vivo studies

6:40-6:50

Johanna Mihály: Influence of poly-unsaturated fatty acids and their monohydroxylated metabolites on gene expression of nuclear receptor specific target genes

6:50-7:00

Kathrin Weiss: Influence of dietary fat / oil and vitamin A on the lipid composition and the gene regulation of lipid metabolism

7:00pm Dinner

January 11.

7:00am 9:00am Break fast

Useful information

Talks are 25 minutes + 5 minutes discussion, 12 minutes + 3 minutes discussion or 8 minutes + 2 minutes discussion.

You can find informaton about the hotel: www.hotelplejsy.com

http://www.slovenskyraj.sk/vylety/plejsy/hu.html

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You can call Eva Dögei: 06/30/2488-133

