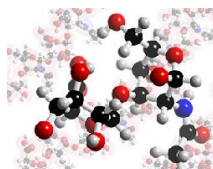


International Conference on the Structure and Function of Biomatrix: How Biomatrix Controls Cell Function and Gene Expression

In the memory of Tivadar Huzella (1886-1950)

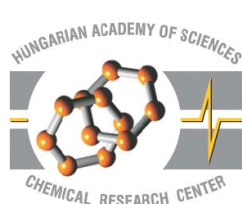
Budapest, Hungary, July 6-7, 2011



Organizers

Chemical Research Center
of the Hungarian Academy of Sciences

Semmelweis University



About the conference

This conference is about the intercellular matrix -the biomatrix of the living vertebrate body. Biomatrix is the matter that fills the space between cells and connects cells to form a tissue - a location-specific complex cellular assembly in the organs of the body. The conference focuses on the biomatrix structural components and their interactions with collagen, elastin, hyaluronan and proteoglycans.

The conference also honors the memory of Tivadar Huzella and his pioneering work on the biomatrix. Lectures will be presented and delivered on the role of biomatrix in

- the genetic and functional stability of cells,
- the tissue elasticity and hydration,
- the replication of cells,
- the control of cell signaling pathways,
- the defense and repair processes.

Postgraduate students and researchers wishing to expand their expertise into new biochemistry areas and techniques will benefit in particular.

Committee

Endre A. Balazs
Ágoston Szél
István Hargittai
Gábor Pálincás
Ladislav Robert
Anna Erdei

Timetable of the conference

July 5, Tuesday
Arrival at Hotel

July 6, Wednesday

10:00 – 10:30	Opening of the conference: István Karádi Welcoming the participants: Ágoston Szél and Gábor Pálincás
10:30 – 11:00	Endre A. Balazs : Huzella and the concept of biomatrix
11:00 – 11:30	Sándor Szirmai : Huzella Tivadar: A dear memory
11:30 – 12:00	István Hargittai : The man and the scientist
12:00 – 13:30	<i>Lunch break</i>
13:30 – 14:00	Mathias Chiquet : Control of gene expression by pericellular matrix-derived mechanical signals
14:00 – 14:30	Mary Cowman : Macromolecular crowding in the biomatrix
14:30 – 15:00	András Falus : Synchronized genome expression concept: regulation and network
15:00 – 15:30	<i>Coffee break</i>
15:30 – 16:00	Vince Hascall : The roles of hyaluronan matrices inside and outside the cell
16:00 – 16:30	László Módis : The spatial orientation pattern of proteoglycan and glycosaminoglycan molecules in extracellular matrix of the hyaline cartilage
19:00	<i>Dinner at the Grand Hotel Margitsziget with Speeches in Memory of Tivadar Huzella.</i> George Klein, Eva Klein and Anna Erdei

July 7, Thursday

- 9:00 – 9:30 **Catherine Picart:** The effect of stiffness of synthetic and natural materials on cell behavior
- 9:30 – 10:00 **Bryan Toole:** The pericellular biomatrix in tumorigenesis
- 10:00 – 10:30 **Thomas Wight:** The biomatrix and the control of vascular cell phenotype
Coffee break
- 10:30 – 11:00 **Jessica Kwok and James Fawcett:** The role of biomatrix on regeneration and plasticity in the CNS
- 11:00 – 11:30 **Jessica Kwok and James Fawcett:** The role of biomatrix on regeneration and plasticity in the CNS
- 11:30 – 12:00 **James Wang:** Mechanobiology of cell-matrix interactions
- 12:00 – 13:30 *Lunch break*
- 13:30 – 14:00 **Sylvie Ricard-Blum:** Collagen-proteoglycan interplay in biomatrix
- 14:00 – 14:30 **Ladislav Robert:** Elastin and the aging of biomatrix
- 14:30 – 15:00 **Dennis Discher:** From matrix elasticity to nuclear rigidity and stem cell lineage
- 15:00 – 15:30 *Coffee break*
- 15:30 – 16:00 General discussion

July 8, Friday

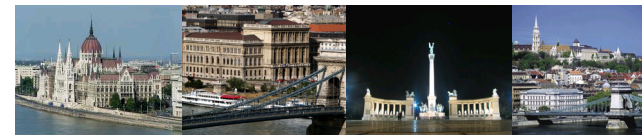
Departure from Hotel

Conference Venue

The conference will take place at: Semmelweis University:
Huzella Amphitheatre of the Department of Human Morphology and Developmental Biology on the second floor

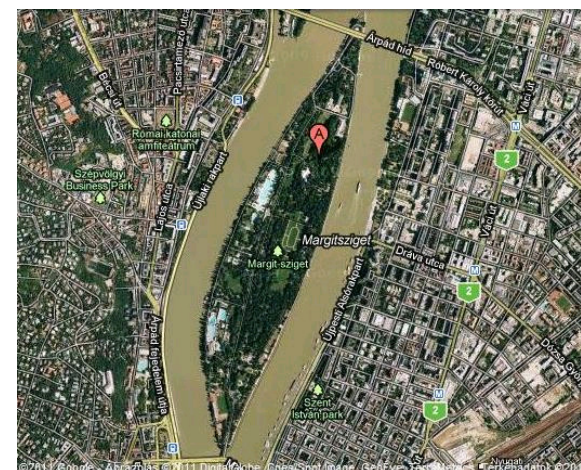


1094 Budapest, Tűzoltó street 37-47.
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Accommodations

Danubius Health Spa Resort Margitsziget****
Address: Margitsziget (Margaret Island) , 1138 Budapest, Hungary
GPS coordinates: N 47°32'47" E 19°03'19"
Phone: +36-1-889-4700
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