



PROGRAMME

Scientific meeting to celebrate the 25th anniversary of Mihály Boros as head of the Institute of Surgical Research

Place: Building of the Hungarian Academy of Sciences, Szeged, Somogyi str. 7.

Time: June 1 (Thursday), 2023, 14.00

SCHEDULE

- 14.00 – 14.15 Welcome notes: Dr. Andrea Szabó, Prof. Dr. Mihály Boros (Institute of Surgical Research, University of Szeged)
- Opening, Prof. Dr. László Rovó (Rector of the University of Szeged), Prof. Dr. György Lázár (Dean of the Albert Szent-Györgyi Medical School, University of Szeged)

HISTORICAL SUMMARIES

- 14.15 – 14.40 Andrea Szabó (Institute of Surgical Research, University of Szeged):
Challenges and achievements in our medical education (1998-2023)
- 14.40 – 15.05 József Kaszaki (Institute of Surgical Research, University of Szeged):
Summary of research achievement of our institute (1998-2023)
- 15.05 – 15.30 Coffee break

INTERNATIONAL RELATIONS OF THE INSTITUTE OF SURGICAL RESEARCH, SZEGED

- 15.30 – 16.00 René Tolba (Aachen University, European Society for Surgical Research, Past President): The Szeged – ESSR - Aachen axis
- 16.00 – 16.20 Marcel Millán Iglesias (CAE): The Szeged – Skills Education - Simulation axis
- 16.20 – 16.50 Johannes Grillari, Andrey Kozlov (Ludwig Boltzmann Institute, LBI, Vienna, Austria): The Szeged – LBI/Vienna axis
- 16.50 – 17.15 Coffee break
- 17.15 – 17.35 Marcin Osuchowski (European Shock Society, President): The Szeged – ESS axis
- 17.35 – 17.55 András Mészáros (University Clinic for Visceral, Transplant and Thoracic Surgery, Medical University of Innsbruck, Austria): The Szeged – Innsbruck axis
- 17.55 – 18.15 Frank Keppler (Institute of Earth Sciences, University of Heidelberg): The Szeged – Heidelberg axis
- 19.00 – **Dinner (Cathedral Restaurant, Dome square, Szeged)**

Clinical Skills Centre (Szeged, Dóm square 13), June 2 (Friday), 2023.

PROGRAMME¹

INTRODUCTION OF OUR SISTER INSTITUTES

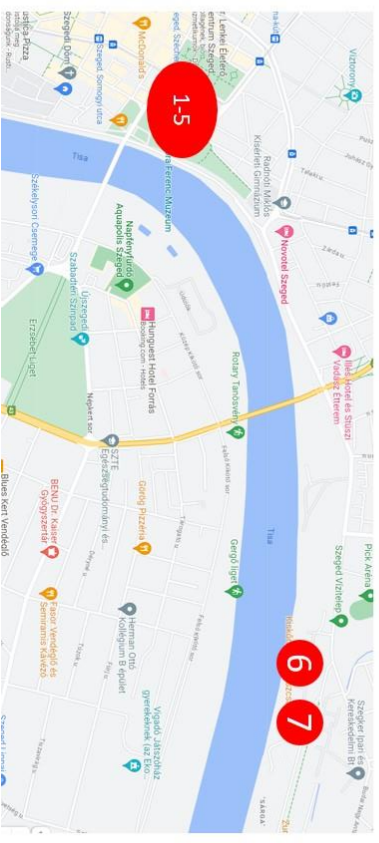
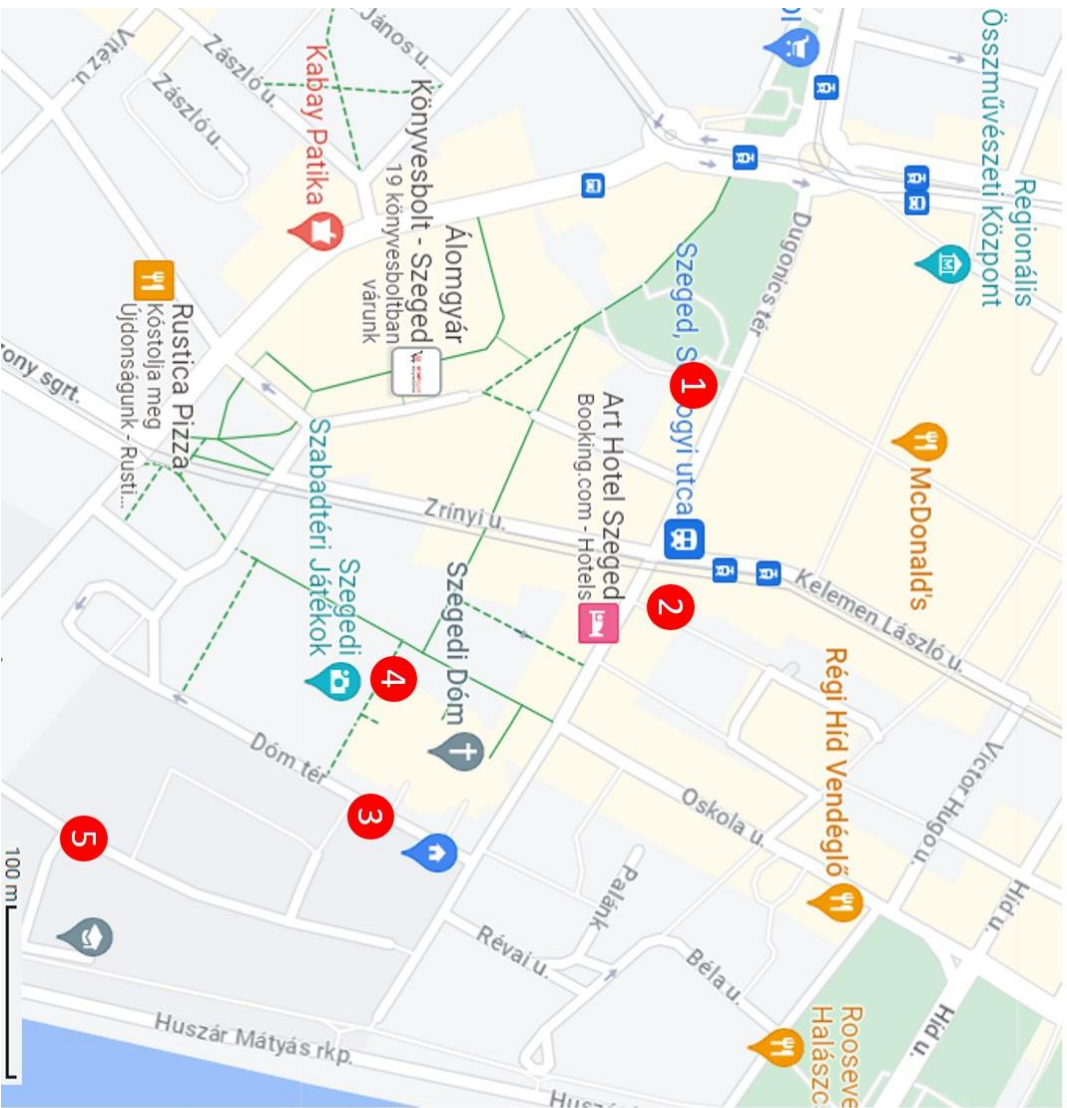
- 09.00 – 09.20 Norbert Németh (Division of Operative Techniques and Surgical Research, Debrecen) - Meet our sister institute – Debrecen
- 09.20 – 09.40 Gyöngyi Szabó (Department of Surgical Research and Techniques, Budapest) - Meet our sister institute – Budapest
- 09.40 – 10.00 Coffee break

CHALLENGES AND ACHIEVEMENTS IN EXPERIMENTAL MODELING

- 10.00 – 10.20 Plenary: Johannes Zipperle (LBI Vienna): Modulation of haemostasis in critical illness
- 10.20 – 10.40 Plenary: Peter Dungal (LBI Vienna): Protection, disinfection and regeneration of the skin
- 10.40 – 10.55 Fatemeh Azizian Farsani (LBI Trauma, Vienna): Functional coagulopathy monitoring by ROTEM in three acute critical care illness
- 10.55 – 11.10 Sergiu Dumitrescu (LBI Trauma, Vienna): No benefit of targeting complement activation with a C5a antagonist (PMX53) via non-and tailored treatment approaches in a murine model of post-traumatic sepsis
- 11.10 - 11.30 Dániel Érces (Inst. Surg Res., Szeged): Extracorporeal membrane oxygenation induced acute kidney injury – Do we need to change the perspective?
- 11.30 – 11.50 Coffee break
- 11.50 – 12.10 Plenary: Andrey Kozlov (LBI Vienna): Ferroptosis as a new approach for cancer therapy
- 12.10 – 12.30 Plenary: Catharina Duviegneu (Inst. for Med. Biochem. Univ. Vet. Med., Vienna): Mastering heme – the intriguing role of heme oxygenase
- 12.30 – 12.45 Sergejs Zavadskis (LBI Trauma, Vienna): Mechanism underlying vasodilatory effect of endoplasmic reticulum stress
- 12.45 – 13.00 Roland Fejes (Inst. Surg Res., Szeged): Which came first, the chicken or the egg? Novel aspects of the microcirculatory-mitochondrial axis in experimental sepsis
- 13.00 – 14.00 Lunch break

MITOCHONDRION WORKSHOP

- 14.00 – 14.20 Plenary: Erich Gnaiger (Innsbruck, Oroboros Instruments): title to be announced
- 14.20 – 14.40 Plenary: András Mészáros (University Clinic for Visceral, Transplant and Thoracic Surgery, Medical University of Innsbruck, Austria): title to be announced
- 14.40 – 14.55 Julia Hofmann (Transplant and Thoracic Surgery, Med. Univ. Innsbruck): Long-term machine perfusion of human livers
- 14.55 – 15.10 Paula van Appeldorn (Transplant and Thoracic Surgery, Med. Univ. Innsbruck): Pre-transplant mitochondrial function in human kidneys predicts clinical outcome
- 15.10 – 15.25 László Juhász (Inst. Surg Res., Szeged): Electron transport disturbances in kynurenine aminotransferase enzyme-deficient mice
- 15.25 – 15.40 Attila Rutai (Inst. Surg Res., Szeged): Organ and mitochondrial effects of inhaled methane therapy at different stages of 24-h sepsis progression in rats
- 15.40 – 17.00 **Visit of our renovated institute**
- 18.00 – **Dragon boat trip on River Tisza**
- 19.00 – **Dinner (Old Kőrösy Fish Restaurant)**



1. Art Hotel
Somogyi str. 16 (hotel on June 1-2)
2. Building of the Hungarian Academy of Sciences
Somogyi str. 7 (program on June 1)
3. Clinical Skills Centre
Dóm square 13 (program on June 1)
4. Cathedral restaurant
Dóm square (dinner on June 1)
5. Our renovated institute
(Szókefalvi-Nagy B str. 6, visit on June 2)
6. Dragon boat trip (on June 2)*
7. Old Kőrössy Fish Restaurant (dinner on June 2)
(Sárga Üdülőtelep 262)*

* we will take you there