



# SUN Symposium

**A Joint Symposium of Semmelweis University and  
NATO Centre of Excellence for Military Medicine**

**in Anaesthetic, Critical and Emergency Care**

Budapest, Danubius Hotel Héliá, 30-31 March, 2012

*Coming together is a beginning;  
keeping together is progress;  
working together is success."*

*H. Ford*

**Dear Colleagues, Dear Guests,**

Due to the contribution and management of the Department of Anaesthesiology and Intensive Therapy an agreement of collaboration was signed for the first time in Europe by the NATO Centre of Excellence for Military Medicine and the Semmelweis University on the 8th Sept. 2011.

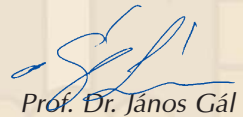
Joining this event, an international scientific symposium, with participation of well-known international lecturers, professors and NATO leading medical officers will be organized in Budapest, March 30th-31st 2012.

The patrons of the SUN symposium are the Semmelweis University and the NATO Centre of Excellence for Military Medicine. The main topics will include the latest developments in intensive care, emergency, military medicine, education, simulation, psychology and basic sciences. Our internationally renowned lecturers are currently involved in research and teaching in these fields.

The SUN congress will aptly take place in the Danubius Health Spa Resort Helia\*\*\*\*. An ideal place to recharge mind and body due to science and comfortable relaxation! The conference hotel with spa and wellness complex is situated on the bank of the Danube, opposite Margaret Island, just 15 minutes far from the historical city centre.

We hope to offer our guests rich experience, and memories of a pleasant and successful congress.

We are looking forward to welcome you at this special occasion.



*Prof. Dr. János Gál*  
Chair of the Symposium,  
Head of the Department of  
Anaesthesiology and Intensive Therapy,  
Semmelweis University

## Patron of the Congress

*Prof. Dr. Tivadar Tulassay,*  
Rector of Semmelweis University

## Organizing Committee

Chair: *Prof. Dr. János Gál*  
Members: *Colonel (MC) Dr. István Kopcsó*  
*Colonel (MC) Dr. Thomas Harbaum*  
*Dr. med. habil. Mária Janecskó*  
*Dr. med. habil. Zsolt Iványi*  
*Dr. Krisztina Madách*  
*Dr. Balázs Hauser*  
*Dr. Gábor Fritúz*  
*Melinda Mezőcsáti*  
*Anikó Hegedűs*

## Main Topics

- oxidative stress and ischemia-reperfusion
- lung and heart
- emergency and military medicine
- technical developments
- simulation-psychology
- saving organs
- sepsis, multiple organ dysfunction syndrome
- young investigator session

**The official language of the congress is English.**

**We welcome our invited international speakers representing:**

- **NATO Centre of Excellence for Military Medicine, Budapest, Hungary**
- **French Military Health Service, France**
- **Bundeswehr Medical Service, Germany**
- **Czech Armed Forces, Czech Republic**
- **Nuffield Department of Anaesthetics, University of Oxford, John Radcliffe Hospital, Headington, United Kingdom**
- **Anaesthetics, Pain Medicine and Intensive Care Section, Department of Surgery and Cancer, Imperial College London, Chelsea and Westminster Hospital, United Kingdom**
- **Royal Brompton and Harefield NHS Foundation Trust, London, United Kingdom**
- **Department of Intensive Care, University of Medicine and Pharmacy, Tirgu Mures, Romania**

## We welcome our invited national speakers representing:

- **Semmelweis University, Budapest:**
  - o Department of Anaesthesiology and Intensive Therapy, Budapest,
  - o I. Department of Pediatrics, Budapest,
  - o Institute of Biophysics and Radiation Biology,
  - o Research Laboratory, 3rd Department of Internal Medicine,
  - o Department of Laboratory Medicine,
  - o Department of Surgical Research and Techniques,
  - o Heart Center,
  - o Department of Physiology
- **Eötvös Lóránd University, Budapest**
- Department of Anesthesiology and Intensive Therapy, **University of Debrecen**
- Department of Anesthesiology and Intensive Therapy, **University of Pécs**
- Department of Anesthesiology and Intensive Therapy, **University of Szeged**
- Institute of Surgical Research, **University of Szeged**
- **United Hospitals of Saint Stephen and Saint Ladislaus, Budapest**

### Venue of the congress:

Danubius Health Spa Resort Helia \*\*\*\*

Address: Kárpát utca 62-64., H-1133 Budapest, Hungary,

Phone: +36-1-889-5800

Fax: +36-1-889-5801,

Reservation phone: +36 1 889 5823,

Reservation fax: +36 1 889 5801,

E-mail: [helia.reservation@danubiushotels.com](mailto:helia.reservation@danubiushotels.com),

GPS Coordinates: N 47°31'47" E 19°3'19"

### CONGRESS OFFICE:

Convention Budapest Ltd.

Registration: *Tamás Bokker* ([tbokker@convention.hu](mailto:tbokker@convention.hu))

Sponsoration: *Miklósi Ferenc* ([fmiklosi@convention.hu](mailto:fmiklosi@convention.hu))

H - 1461 Budapest, P.O.B. 11.

Phone: (361) 299-0184, (361) 299-0185, (361) 299-0186

Fax: (361) 299-0187

E-mail: [convention@convention.hu](mailto:convention@convention.hu)

[www.convention.hu](http://www.convention.hu)

## FINAL PROGRAMME

2012.03.30. Friday

9:30 Opening Ceremony

**Prof. Dr. Tivadar Tulassay**, Rector of Semmelweis University;

**Prof. Dr. István Karádi**, Dean of the Faculty of Medicine of Semmelweis University;

**Prof. Dr. Ágoston Szél**, Vice-Rector for General Affairs of Semmelweis University;

**Prof. Dr. Miklós Kellermayer**, Vice-Rector for Science, Innovation and International Affairs of Semmelweis University;

**Prof. Dr. János Gál**, Head of the Department of Anaesthesiology and Intensive Therapy of Semmelweis University

**Dr. Csaba Hende**, Minister of Defence of Hungary

**General Dr. Tibor Benkő**, Chief of Defence Staff of the Hungarian Defence Forces

**Colonel Dr. István Kopcsó, PhD**, Director of the NATO Centre of Excellence for Military Medicine;

**Brigadier General Dr. László Schandl**, Commander of Military Hospital (Surgeon General of the Hungarian Defence Forces)

**Colonel Dr. Thomas Harbaum, MSc.**, Deputy Director of the NATO Centre of Excellence for Military Medicine;

### Session: Oxidative stress and ischemia-reperfusion

**Session Chairs:** *Prof. Tivadar Tulassay, Prof. Ágoston Szél*

10:00 *Prof. Tivadar Tulassay* (Budapest)

Hypoxia induced alterations - fibrosis and regeneration

10:20 *Ma Daqing* (London)

Novel preservative strategy in preventing cold-ischemia induced kidney graft injury

10:40 *Prof. János Gál* (Budapest)

Cardiac preconditioning in clinical practice

11:00 Break

### Session: Lung

**Session Chairs:** *David Royston, Nándor Marczin*

11:10 *Prof. Masao Takata* (London)

Ventilator-induced lung injury: toward strategies to prevent biotrauma

11:30 *Prof. Leonard Azamfirei* (Tirgu Mures)

Vascular growth factor as mediator of endothelial activation

11:50 *András Lox* (Budapest)

Update on lung mechanics - forced oscillation technique

12:10 Lunch

**Session: Saving organs**

**Session Chairs:** *Prof. Erzsébet Róth, Ma Daqing*

- 13:20 *Prof. Mihály Boros* (Szeged)  
Methane in health and disease
- 13:40 *Prof. Zolt Molnár* (Szeged)  
Oxygen and the tissues
- 14:00 *Nándor Marczin* (Budapest, London)  
Novel mechanisms and monitoring of perioperative oxidative stress
- 14:20 *József Kaszaki* (Szeged)  
Microcirculation in focus
- 14:40 Break

**Session: Military medicine**

**Session Chairs:** *Lt. Gen. (Ret) László Svéd, Col. Thomas Harbaum*

- 15:00 *Lt. Col. Dennis M. Ritter* (Germany)  
Pre-clinical pain management in the battlefield
- 15:20 *Col. Peter Majovsky* (Czech Republic)  
Czech experiences from KAIA North R3 MTF, Afghanistan
- 15:40 *Col. Federico Gonzalez* (France)  
French surgical lessons from deployments to Afghanistan and Africa
- 16:00 *Col. László Fazekas* (Hungary)  
Military medical training and education in NATO
- 16:20 Break

**Session: Technical developments**

**Session Chairs:** *Prof. Leonard Azamfirei, Prof. György Weber*

- 16:40 *Prof. Miklós Kellermayer* (Budapest)  
Nanoscale devices in medicine
- 17:00 *Prof. Barna Vásárhelyi* (Budapest)  
What the lab can help
- 17:20 *Prof. Zoltán Prohászka* (Budapest)  
News from the lab: recent developments in special diagnostics for critically ill
- 17:40 *Thorsten Brandt* (Germany)  
Medication safety in IV therapy: process controll and the use of smart pumps
- 20:00 Gala dinner

## 2012.03.31. Saturday

### **Session: Simulation-psychology**

**Session Chairs:** *Col. István Kopcsó, Prof. János Gál*

- 9:00 *Prof. György Wéber* (Budapest)  
Evaluation of intellectual skills of medical students
- 9:20 *Gábor Fritúz* (Budapest)  
How to improve team work?
- 9:40 *Katalin Varga* (Budapest)  
Possibilities of suggestive techniques in anaesthesiology and intensive therapy
- 10:00 *Zoltán Kekecs* (Budapest)  
Recent studies on suggestive communication in somatic medicine
- 10:20 Break

### **Session: Heart**

**Session Chairs:** *Prof. Masao Takata, Prof. János Gál*

- 10:40 *David Royston* (London)  
Novel aspects of anticoagulant, antiplatelet and antifibrinolytic therapy in cardiac surgery
- 11:00 *Xu Yu Jin* (Oxford)  
Coronary flow haemodynamics in aortic stenosis and after AVR
- 11:20 *Andrea Székely* (Budapest)  
Non-cardiac risk factors influencing outcome of pediatric cardiac surgery
- 11:40 *Ilona Bobek* (Budapest)  
Cardiorenal syndromes
- 12:00 Lunch

**Session: Saving organs**

**Session Chairs:** *Xu Yu Jin, Prof. Lajos Bogár*

- 13:10 *Prof. Béla Fülesdi* (Debrecen)  
Occupational exposure of the OR staff during inhalational anaesthesia
- 13:30 *Balázs Hauser* (Budapest)  
Is anesthesia safe for the developing brain?
- 13:50 *Endre Zima* (Budapest)  
Therapeutic hypothermia
- 14:10 *Enikő Kovács* (Budapest)  
Hemodynamics during postresuscitation hypothermia  
(young investigator)
- 14:20 Break

**Session: Sepsis, MODS**

**Session Chairs:** *Prof. Mihály Boros, Prof. Béla Fülesdi*

- 14:40 *Krisztina Madách* (Budapest)  
Sepsis and genetics
- 15:00 *Prof. Lajos Bogár* (Pécs)  
Leukocyte antisedimentation rate
- 15:20 *Csaba Tímár* (Budapest)  
Neutrophil function in sepsis  
(young investigator)
- 15:30 *Zsolt Iványi* (Budapest)  
Sepsis and the bacteria - a clinician's view
- 15:50 *Katalin Kristóf* (Budapest)  
Impact of molecular mimicry on the clinical course and outcome of sepsis  
syndrome  
(young investigator)
- 16:00 *Mike Bastian* (Germany)  
Pentaglobin - the first and only IgM preparation for treating severe sepsis
- 16:20 Test
- 16:30 Closing Ceremony  
*Lt. Gen. (Ret) László Svéd, Prof. János Gál*



## REGISTRATION FEES

	Paid before February 29, 2012	Paid after February 29, 2012
Registration fee for physician delegates	65 EUR / person 20.000 Ft (Tax included)	80 EUR / person 25.000 Ft (Tax included)
Reduced registration fee for trainees (upon written confirmation)	35 EUR / person 10.000 Ft (Tax included)	50 EUR / person 15.000 Ft (Tax included)
Students (upon written confirmation)	free of charge	free of charge
Lunch on Friday	15 EUR / person 4.200 Ft (Tax included)	15 EUR / person 4.200 Ft (Tax included)
Lunch on Saturday	15 EUR / person 4.200 Ft (Tax included)	15 EUR / person 4.200 Ft (Tax included)
Gala dinner on Friday	30 EUR / person 9.000 Ft (Tax included)	30 EUR / person 9.000 Ft (Tax included)

The registration fee includes attending of the scientific sessions, final programme and abstract book, refreshments during breaks.

The lunches and gala dinner on Friday has to be requested separately on the registration form.

## CONGRESS HOTEL

Rooms at a special congress rate have been reserved at the congress venue.

### Danubius Health Spa Resort Helia \*\*\*\*

(Kárpát utca 62-64., H-1133 Budapest, Hungary)

Single room: 75 EUR / room / night  
23.000 Ft / room / night

Double room: 90 EUR / room / night  
28.000 Ft / room / night

Above room rates include all relevant taxes (VAT, local tax) buffet breakfast, free admission to the hotel's own Spa and Wellness Center.

Parking is available in the open air parking in front of the hotel for a fee of 10 EUR/day. Parking costs have to be paid at the reception upon departure.

Deadline for hotel reservation is February 29, 2012. Rooms will be confirmed on a first come first served basis.

#### PAYMENT

Either by providing your credit card details or by bank transfer.

#### Details for bank transfer payment:

Company: Convention Budapest Ltd.  
Bank: K&H Bank Nyrt.  
Bank address: H-1051 Budapest, Vigadó tér 1., Hungary  
SWIFT/BIC Code: OKHBHUHB  
IBAN: HU26 1020 1006 6019 5559 0000 0000

#### CANCELLATION TERMS

In case of cancelling your registration and/or accommodation, the following fees will be retained as a cancellation fee:

Before February 29, 2012: Full refund minus 50% of the ordered services (registration, accommodation).

After February 29, 2012: No refund will be made onwards.

#### IMPORTANT DATES

Mailing of the first-second announcement January 15, 2012  
Deadline for early registration fee: February 29, 2012  
Deadline for hotel booking: February 29, 2012  
Congress dates: March 30-31, 2012



A SUN Szimpózium előadóinak felkészülését és oktatásmódszertani céljainak megvalósulását segítik:

- a TÁMOP-4.1.2/A/2-10/1-2010-0008 számú "Képzés- és tartalomfejlesztés a Semmelweis Egyetemen" projekt és
- a KMOP-4.2.1/B-10-2011-0010 számú "Semmelweis Skill Centrum - infrastruktúrafejlesztés a gyakorlati képzés színvonalának emelése érdekében" projekt.



Nemzeti Fejlesztési Ügynökség  
[www.ujszechenyiterv.gov.hu](http://www.ujszechenyiterv.gov.hu)  
06 40 638 638



A projekt az Európai Unió támogatásával, az Európai Szociális Alap társfinanszírozásával valósul meg.