The 18th Budapest Nephrology School  
(Nephrology, Hypertension, Dialysis, Transplantation)

Under the auspices of
ISN, ERA-EDTA and ISP
26–31 August, 2011

In conjunction with the 9th International Symposium on Wine and Health and on the occasion of the 6th World Kidney Day

Semmelweis University  
International Nephrology Research & Training Center  
Worldwide Hungarian Medical Academy  
Vanderbilt University Medical Center  
University of Toronto, Avicenna College  
Hungarian Kidney Foundation (Charity Reg. Nr. 596/1987)
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Dear Colleague,

It is my pleasure to invite you to the **18th Budapest Nephrology School** organized by the Hungarian Kidney Foundation at the Semmelweis University, under the auspices of ISN and ERA-EDTA in conjunction with the **9th International Symposium on Wine and Health** and on the occasion of the **6th World Kidney Day**. During this one-week program, our distinguished international speakers provide updates in nephrology, hypertension, dialysis and transplantation. We cover the field from molecule to bedside, from the most recent scientific advances to the current clinical approaches. You will also enjoy close interaction with the faculty in small group workshops. You are encouraged to present your poster, raise questions and consult your colleagues on problematic cases. You are also invited to visit our quality dialysis and research units.

We have acted, based on the experience from previous successful years, to keep our standards high. Our success is reflected by the increasing number of participants who have repeatedly attended the school. I hope that the commitment of my colleagues have successfully provided the best conditions for you to learn during this week. I also hope that you will enjoy our exciting social programs and culture in Budapest. You should not forget about the 9th International Symposium on Wine and Health. Wine is not only important to Hungarians but it has a several thousand-year history in mankind’s life. Although, there are 22 historical vineyards in our country, among them such famous places as Tokaj, Villány, Badacsony, and the long culture and tradition of wine consumption, there is a high incidence of cardiovascular disease with the resultant serious decrease in life expectancy in this region.

The 18th Budapest Nephrology School was accredited by the European Accreditation Council for Continuing Medical Education (EACCME) for 30 European CME credits (ECMEC). The Course includes 44 hours of scientific lectures and a final examination which can be locally evaluated according to national standards (in Hungary it is equal to 50 CME credits).

Sincerely yours,

László Rosivall, MD, PhD, DSc
President
Semmelweis University,
Faculty of Medicine
Department of Pathophysiology
International Nephrology Research & Training Center
Website: [www.bns-hungary.hu](http://www.bns-hungary.hu)
E-mail: rosvall@net.sote.hu
Program

AUGUST 26 (Friday)

08:00 – 09:00  **REGISTRATION**  
Venue:  
Department of Transplantation and Surgery  
**Semmelweis University**  
Baross street 23.  
1082, Budapest

**OPENING**

09:00 – 09:45  **Welcome Addresses and Official Opening**  
L. Rosivall, President of the Hungarian Kidney Foundation  
B. Rodríguez-Iturbe, Immediate Past President of the  
International Society of Nephrology  
A. Wieck, Secretary/Treasurer of the European Renal Association  
– European Dialysis and Transplant Association  
T. Tulassay, President of the Semmelweis University, Budapest  
I. Kiss, Country’s Chief Nephrologist, President of Hungarian  
Society of Hypertension  
R. Langer, Chair of the Department of Transplantation and  
Surgery, Semmelweis University

**BASIC SCIENCE**

*Moderator: János Peti-Peterdi, U.S.A.*

10:00 – 10:30  **The Role of T Cells in the Pathogenesis of Hypertension I.**
Discussion  
*Bernardo Rodríguez-Iturbe, Venezuela*

10:45 – 11:15  **The Role of T Cells in the Pathogenesis of Hypertension II.**
Discussion  
*Bernardo Rodríguez-Iturbe, Venezuela*

11:30 – 12:00  **New Findings in Sodium Balance**
Discussion  
*Jens Titze, Germany*

12:15 – 13:00  **Lunch**

*Moderator: Bernardo Rodríguez-Iturbe, Venezuela*

13:00 – 13:30  **Development in Real-Time Imaging of Kidney Functions**
Discussion  
*János Peti-Peterdi, U.S.A.*

13:45 – 14:15  **New Findings in Regulation of Intrarenal Renin Angiotensin  
Systems**
Discussion  
*János Peti-Peterdi, U.S.A.*

14:30 – 15:00  **Effective Treatment Strategies to Delay the Progression of  
Renal Disease and Vascular Disease in CKD**
Discussion  
*Csaba P. Kovesdy, U.S.A.*
15:15 – 15:45  **Coffee Break**  
*Moderator: Csaba P. Kovesdy, U.S.A.*  

15:45 – 16:15  **Vitamin D and Survival in CKD and ESRD**  
16:15 – 16:30  Discussion  
*Csaba P. Kovesdy, U.S.A.*  

9TH INTERNATIONAL SYMPOSIUM ON WINE AND HEALTH in conjunction with the 18th Budapest Nephrology School  

16:30 – 17:00  **Health and Alcohol in General and Red Wine in Specific**  
Video Presentation  
17:00 – 17:15  Discussion  
*Eberhard Ritz, Germany*  

**Venue:** Mercure Budapest Korona 1053 Budapest, Kecskeméti u. 14  

18:30 – 22:00  **Elaborations and Presentations of Hungarian Wines**  
Symposium Dinner  

18:30 – 18:40  **Presidential Greetings**  
*László Rosivall, Hungary*  

18:40 – 19:10  **Elaboration and Presentation of the Hungarian Wines**  
*Ernő Péter Botos, Hungary*  

19:10 – 22:00  **Dinner**  
Special Hungarian Dishes  
Selected Quality Wines from the Best Known Hungarian Cellars  

**AUGUST 27 (Saturday)**  
*Moderator: Jens Titze, Germany*  

09:00 – 09:30  **Basic of Genomics, Proteomics, Transcriptomics – a Systems Biology Approach**  
09:30 – 09:45  Discussion  
*Rainer Oberbauer, Austria*  

09:45 – 10:15  **Report on SysKID Study**  
10:15 – 10:30  Discussion  
*Rainer Oberbauer, Austria*  

10:30 – 11:00  **Coffee Break**  
*Moderator: Rainer Oberbauer, Austria*  

11:00 – 11:30  **Understanding of Epidemiological Studies**  
11:30 – 11:45  Discussion  
*Csaba P. Kovesdy, U.S.A.*
HYPERTENSION

11:45 – 12:15  Metabolic Syndrome, Obesity, Hypertension and Chronic Kidney Disease
12:15 – 12:30  Discussion
   Andrzej Wiecek, Poland
12:30 – 13:30  Lunch

CLINICAL NEPHROLOGY

Moderator: Andrzej Wiecek, Poland

13:30 – 14:00  Cardiovascular Risk Reduction in Renal Recipients
14:00 – 14:15  Discussion
   Rainer Oberbauer, Austria
14:15 – 14:45  Update on Renal Anemia
14:45 – 15:00  Discussion
   Andrzej Wiecek, Poland
15:00 – 15:30  Coffee Break

Moderators: Csaba P. Kovesdy, U.S.A., Róbert Langer, Hungary
   Rainer Oberbauer, Austria, Andrzej Wiecek, Poland

15:30 – 16:00  News in Diabetes and Kidney
   Video Presentation
16:00 – 16:15  Discussion
   Eberhard Ritz, Germany
16:15 – 17:00  “Meet the Professors”
17:00 – 17:30  Buffet

20:00 – 21:00  BOAT TOUR ON THE DANUBE

AUGUST 28 (Sunday)

Moderator: Vladimir Tesar, Czech Republic

08:15 – 08:45  Pathophysiology of Water and Electrolyte Metabolism
08:45 – 09:00  Discussion
   Ágnes Haris, Hungary
09:00 – 09:30  Acid-Base Disorders, Acid-Base Quiz
09:30 – 09:45  Discussion
   Ágnes Haris, Hungary
09:45 – 10:15  Primary Glomerular Disease
10:15 – 10:30  Discussion
   Vladimir Tesar, Czech Republic
10:30 – 11:00  Coffee Break
Moderator: Marc E. De Broe, Belgium

11:00 – 11:30  Secondary Glomerular Disease, Vasculitis - Plasmapheresis Therapy
11:30 – 11:45  Discussion
               György Deák, Hungary

11:45 – 12:15  Hepato Renal Syndrome
12:15 – 12:30  Discussion
               Jan T. Kielstein, Germany

12:30 – 13:00  Von Hippel-Lindau Disease - Surgical Possibilities
13:00 – 13:15  Discussion
               Róbert Langer, Hungary

13:15 – 14:00  Lunch

Moderator: Jan T. Kielstein, Germany

14:00 – 14:30  Acute Kidney Injury
14:30 – 14:45  Discussion
               Jan T. Kielstein, Germany

14:45 – 15:15  Secondary Hyperparathyroidism – an Update on Pathophysiology and Treatment
15:15 – 15:30  Discussion
               Marc E. De Broe, Belgium

15:30 – 16:00  Coffee Break

Moderator: Karl Skorecki, Israel

16:00 – 16:30  The Aging Kidney - Pathophysiology and Therapeutic Consequences?
16:30 – 16:45  Discussion
               Jan T. Kielstein, Germany

16:45 – 17:15  E. Coli Infection and the Kidney - German Experience
17:15 – 17:30  Discussion
               Jan T. Kielstein, Germany

17:30 – 18:00  Buffet

AUGUST 29 (Monday)

Moderator: Goce Spasovski, Macedonia

08:30 – 09:00  Diagnosis and Management of Metabolic Problems in Kidney Transplant Recipients
09:00 – 09:15  Discussion
               István Mucsi, Hungary
BASIC SCIENCE

09:15 – 09:45 Basic Molecular Genetics
09:45 – 10:00 Discussion
Karl Skorecki, Israel

10:00 – 10:30 Molecular Genetics and Renal Failure
10:30 – 10:45 Discussion
Karl Skorecki, Israel

10:45 – 11:15 Coffee Break

CLINICAL NEPHROLOGY

Moderator: István Mucsi, Hungary

11:15 – 11:45 Physical Impairment and Exercise in Patients with Chronic Kidney Disease
11:45 – 12:00 Discussion
István Mucsi, Hungary

12:00 – 12:30 Treatment Options for Chronic Kidney Disease: Metabolic Bone Disease
12:30 – 12:45 Discussion
Goce Spasovski, Macedonia

12:45 – 13:45 Lunch

14:00 – 18:00 SIGHTSEEING TOUR, PARLIAMENT VISIT

19:00 – 20:00 ORGAN CONCERT
Venue: St. Stephen Basilica
1051 Budapest, St. Stephen square

AUGUST 30 (Tuesday)

Venue: B. Braun Avitum, Aesculap Academy
1115 Budapest, Halmi u. 20-22.
(Transportation will be provided.)

HYPERTENSION

Moderator: Gerald Schulman, U.S.A.

09:00 – 09:30 Evaluation of the Resistant Hypertension Patient
09:30 – 09:45 Discussion
Debbie Cohen, U.S.A.

09:45 – 10:15 Secondary Hypertension
10:15 – 10:30 Discussion
Debbie Cohen, U.S.A.

10:30 – 11:00 Coffee Break
DIALYSIS, TRANSPLANTATION

Moderator: Debbie Cohen, U.S.A.

11:00 – 11:30  HD Adequacy
11:30 – 11:45  Discussion
               Balázs Szamosfalvi, U.S.A.
11:45 – 12:15  Continuous Hemodialysis Modalities - Intensive Care
               Nephrology
12:15 – 12:30  Discussion
               Balázs Szamosfalvi, U.S.A.

12:30 – 13:30  Lunch

Moderator: Balázs Szamosfalvi, U.S.A.

13:30 – 14:00  The Present and Future of Peritoneal Dialysis
14:00 – 14:15  Discussion
               Ágnes Haris, Hungary
14:15 – 14:45  BK Nephropathy
14:45 – 15:00  Discussion
               Simin Goral, U.S.A.

15:00 – 15:30  Coffee Break

Moderator: J. Harold Helderman, U.S.A.

15:30 – 16:00  Pathology and Management of Chronic Allograft Dysfunction
16:00 – 16:15  Discussion
               Simin Goral, U.S.A.
16:15 – 16:45  Immunobiology of Immunosuppression
16:45 – 17:00  Discussion
               J. Harold Helderman, U.S.A.

17:00 – 17:30  Study Update of AST-120: A Novel Compound to Prevent
               Progression of Chronic Renal Failure
17:30 – 17:45  Discussion
               Gerald Schulman, U.S.A.

POSTER SESSION


18:00 – 19:00  Discussion with Wine

19:00 – 21:00  FAREWELL RECEPTION
               Sponsored by B.Braun Hungary LTD.
## AUGUST 31 (Wednesday)

*Moderator: Béla Iványi, Hungary*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00 – 09:30</td>
<td><strong>Sleep Disorders, Psychonephrology</strong></td>
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<tr>
<td>09:30 – 09:45</td>
<td>Discussion</td>
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<td><strong>Márta Novák, Canada</strong></td>
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### PATHOLOGY

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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:45 – 10:15</td>
<td><strong>Renal Pathology</strong></td>
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<td>10:15 – 10:30</td>
<td>Discussion</td>
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<td><strong>Tibor Tóth, United Kingdom</strong></td>
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| 10:30 – 11:00 | **Coffee Break**                                                        |

*Moderator: Tibor Tóth, United Kingdom*

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>11:00 – 11:30</td>
<td><strong>Pathology of Kidney Allograft Dysfunction</strong></td>
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<td>11:30 – 11:45</td>
<td>Discussion</td>
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<td><strong>Béla Iványi, Hungary</strong></td>
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### EXAMINATION

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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>11:45 – 12:30</td>
<td>Test</td>
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| 12:30 – 13:00 | **Renal Pathology Quiz**                                                |
| 13:00 – 13:15 | Discussion                                                               |
|               | **Tibor Tóth, United Kingdom**                                          |

| 13:15 – 14:00 | **Lunch**                                                               |

### CONCLUDING REMARKS

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>14:00 – 14:15</td>
<td>László Rosivall, Hungary</td>
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**Commentary**

„..., it is a pleasure for the International Society of Nephrology to recognize the tradition established by Dr. Rosivall and his colleagues in the heart of Europe, servicing so many colleagues in their quest for knowledge. Experts from various parts of the world have contributed to render the Budapest School into one of the best of its kind. We congratulate Dr. Rosivall on this momentous achievement.“

Jan J. Weening, Past President of ISN

„As a President of ERA-EDTA association I’m very proud that our Society is a sponsor of the Budapest Nephrology School that next year will celebrate the 10th Anniversary. The best comment about the quality of this school come from a letter I received from one of the participants at last school "I was fortunate to be one of the sponsored delegate by the ERA. I do not have any words to express my sincere gratitude to the ERA and especially you for considering me for the grant from ERA." I do believe there are no other words to add!“

Francesco Locatelli, Past President of ERA-EDTA

„The Semmelweis University under the dedicated leadership of Professor Rosivall has developed the tradition of an annual Nephrology Summer School in Budapest... The panel of experts is impressive and has included some of the top leaders of nephrology in the world. In recognition of the high standard of this meeting, both the International Society of Nephrology (ISN) and the European Renal Association (ERA) co-sponsor this important event.“
Eberhard Ritz, Past President of ISN

„Great work, worth to recommend to colleagues.“
A Participant

Some faculty members of the previous Schools

Sponsors
### Timetable at a glance

<table>
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<tr>
<th>Day</th>
<th>Friday August 26</th>
<th>Saturday August 27</th>
<th>Sunday August 28</th>
<th>Monday August 29</th>
<th>Tuesday+ August 30</th>
<th>Wednesday August 31</th>
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<tr>
<td><strong>Morning</strong></td>
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<tr>
<td>Registration</td>
<td>08:00-09:00</td>
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<tr>
<td>Official Opening</td>
<td>09:00 - 09:45</td>
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<tr>
<td>Lectures</td>
<td>10:00-12:15</td>
<td>Lectures 09:00-12:30</td>
<td>Lectures 08:15-13:15</td>
<td>Lectures 08:30-12:45</td>
<td>Lectures 09:00-12:30</td>
<td>Lectures 09:00-11:45</td>
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<tr>
<td><strong>Afternoon</strong></td>
<td>Lectures 13:00-16:30</td>
<td>Lectures 13:30-16:15</td>
<td>Lectures 14:00-17:30</td>
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<td>Lectures 13:30-17:45</td>
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<tr>
<td>Meet the Professors</td>
<td>16:15-17:00</td>
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<td>9th International Symposium on Wine and Health Lecture</td>
<td>16:30-17:15</td>
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<td>Lunch</td>
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<td>Buffett 17:00-17:30</td>
<td>Buffett 17:30-18:00</td>
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<tr>
<td><strong>Evening</strong></td>
<td>Elaboration and Presentation of Wines Dinner Venue: Hotel Mercure Budapest Korona 18:30-22:00</td>
<td>Boat Tour on the Danube 20:00-21:00</td>
<td>Free Evening</td>
<td>Organ Concert 19:00-20:00</td>
<td>Farewell Reception 19:00-21:00</td>
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</table>

Venue: **Department of Transplantation and Surgery, Semmelweis University**, 1082 Bp., Baross u. 23.

+ Venue: **B. Braun Avitum, Aesculap Academy**, 1115 Budapest, Halmi u. 20-22. (Transportation will be provided.)