





# The 20th Budapest Nephrology School

Nephrology, Hypertension, Dialysis, Transplantation

Under the High Patronage of H.E. Dr. Miklós Szócska, Secretary of State of Health and Under the Patronage of Dr. Agoston Szél, President of the Semmelweis University

26-31 August, 2013

20th Anniversary of the BNS



Under the auspices of **ISN**, **ERA-EDTA** and **ISP** 

In conjunction with the 11th International Symposium on Wine and Health and on the occasion of the 8th World Kidney Day

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





### Dear Colleague,

**Budapest Nephrology School** is a one-week, English speaking, internationally recognized, CME refresher nephrology course which has been organized by the Hungarian Kidney Foundation at the **Semmelweis University** for the past 19 years, under the auspices of **ISN** and **ERA-EDTA**. The school is accredited worldwide by EU in Brussels. The School published a book titled "**Nephrology, Hypertension, Dialysis and Transplantation**" edited by *T. Andreoli, E. Ritz and L. Rosivall.* The 3rd new edition of the book will be published on the occasion of the 20th school this year.

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. Workshops provide the possibility for close interaction with the faculty in small groups. Participants are encouraged to present their *posters*, raise *questions* and consult other colleagues on problematic cases. Programs are also arranged to visit quality dialysis and research units. The Budapest Nephrology School has always kept *high standards* and performed successfully with international positive feed-backs. So far doctors from *58 countries* have attended the school. Our success is reflected by the increasing number of participants who have repeatedly attended the school.

The school is proud of its faculty who are internationally recognized in the field. We already have the president in-office and the past-president of ISN and also in-office president and the past two presidents of ERA-EDTA among the speakers of this year anniversary school (August 2013). We believe that this is a unique opportunity for our colleagues to spend some time in Budapest and while enjoying the cultural, architectural, social, historical beauties and the special Hungarian hospitality of a thousand years old country, meet with colleagues worldwide and get the refresher in the field from the best.

The 20th Budapest Nephrology School is held in conjunction with the 11th International Symposium on Wine and Health and the 8th World Kidney Day celebration

The 19th Budapest Nephrology School was accredited by the European Accreditation Council for Continuing Medical Education (EACCME) for 30 European CME credits (ECMEC). The Course included 46 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). We are expecting to have similar evaluation for the 20th Budapest Nephrology School as well.

Looking forward to seeing you in Budapest soon.

Sincerely yours,

László Rosivall, MD, PhD, DSc

President Semmelweis University, Faculty of Medicine Department of Pathophysiology

International Nephrology Research & Training Center

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### **Program**

### **AUGUST 25 (Sunday)**

#### **FACULTY-PARTICIPANT REUNION**

**Art Village Szentendre** 

### **AUGUST 26 (Monday)**

08:00 - 09:00 **REGISTRATION** 

Venue:

Department of Transplantation and Surgery

**Semmelweis University** 

Baross street 23. 1082 Budapest

#### **OPENING**

### 09:00 - 09:50 Welcome Addresses and Official Opening

- L. Rosivall, President of the Hungarian Kidney Foundation
- J. Feehally, President of the International Society of Nephrology
- **R. Vanholder**, President of the European Renal Association European Dialysis and Transplant Association
- **E. Ritz**, Immediate Past President of the International Society of Nephrology
- **A. Wiecek**, Active Secretary/Treasurer of the European Renal Association European Dialysis and Transplant Association
- G. Spasovski, President of the ERA-EDTA Committee for CME Activities
- Á. Szél, President of the Semmelweis University, Budapest
- **T. Tulassay**, President of the Society of Hungarian Pediatric Nephrology, Budapest
- Gy. Reusz, President of the Hungarian Nephrological Society, Budapest
- **I. Kiss**, Country's Chief Nephrologist, President of the Hungarian Society of Hypertension
- **R. Langer**, Chair of the Department of Transplantation and Surgery, Semmelweis University

### **Hungarian Authorities**

### **BASIC SCIENCE**

Moderator: János Peti-Peterdi, U.S.A.

10:00 - 10:30 10:30 - 10:40	Tissue Sodium in Healthy and Hypertensive People Discussion Jens Titze, Germany, U.S.A.
10:40 - 11:10 11:10 - 11:20	<b>Sodium Sensing in Interstitium and Relationship to Hypertension</b> Discussion <i>Jens Titze, Germany, U.S.A.</i>
11:20 - 11:50	Strain Vessel: a Link Between Microalbuminuria and
11:50 - 12:00	Cardiovascular Disease and Salt Sensitive Hypertension Discussion Ito Sadayoshi, Japan
12:00 - 12:50	Lunch

Moderator: Jens Tit	ze, Germany, U.S.A.
12:50 - 13:20 13:20 - 13:30	Mechanisms in Kidney Tissue Regeneration Discussion János Peti-Peterdi, U.S.A.
13:30 - 14:00 14:00 - 14:10	A New Look at Electrolyte Transport in the Distal Tubule Discussion János Peti-Peterdi, U.S.A.
14:10 - 14:40 14:40 - 14:50	Methyglyoxal: a New Target in CKD Discussion Ito Sadayoshi, Japan
14:50 - 15:20	Coffee Break
Moderator: Ito Sada	ayoshi, Japan
15:20 - 15:50 15:50 - 16:00	<b>Basic of Genomics, Proteomics, Transcriptomics</b> Discussion Rainer Oberbauer, Austria
16:00 - 16:30 16:30 - 16:40	Patients as Partners. Kidney Care in a Holistic Perspective Discussion Per Åke Zillén, Sweden
	ERNATIONAL SYMPOSIUM ON WINE AND HEALTH ction with the 20th Budapest Nephrology School
16:40 - 17:10 17:10 - 17:20	Effects of Alcohol and Wine on Health Discussion Eberhard Ritz, Germany
18:30 - 22:00	Elaboration and Presentation of Hungarian Wines Symposium Dinner
18:30 - 18:40	Presidential Greetings László Rosivall, Hungary
18:40 - 19:10	Elaboration and Presentation of Hungarian Wines Ernő Péter Botos, Hungary
19:10 - 22:00	<b>Dinner</b> Special Hungarian Dishes Selected Quality Wines from the Best Known Hungarian Cellars

# AUGUST 27 (Tuesday)

### CLINICAL NEPHROLOGY

Moderator:	Claudio	Ronco,	Italy
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16:50 – 17:20 **Buffet** 

09:00 - 09:30 09:30 - 09:40	Obesity in Nephrology Discussion Eberhard Ritz, Germany		
09:40 - 10:10 10:10 - 10:20	Phosphate as a Serious Player Discussion Eberhard Ritz, Germany		
10:20 - 10:50 10:50 - 11:00	<b>Understanding Focal Segmental Glomerulosclerosis</b> Discussion John Feehally, UK		
11:00 - 11:30	Coffee Break		
Moderator: Eberhard	d Ritz, Germany		
11:30 - 12:00	Membranous Nephropathy: No Longer "Idiopathic", but How Should it Be Managed		
12:00 - 12:10	Discussion John Feehally, UK		
12:10 - 12:40 12:40 - 12:50	Cardio-Renal Syndrome Discussion Claudio Ronco, Italy		
12:50 - 13:40	Lunch		
Moderator: John Fee	ehally, UK		
13:40 - 14:10 14:10 - 14:20	Spectrum of Acute Kidney Injury Discussion Claudio Ronco, Italy		
14:20 - 14:50	Systems Biology: Building a Useful Model from Multiple Markers and Profiles - The SYSKID Approach in Early Diabetic Nephropathy		
14:50 - 15:00	Discussion  Gert Mayer, Austria		
15:00 - 15:30	Coffee Break		
Moderator: Gerald M. London, France			
15:30 - 16:00 16:00 - 16:10	Scientific Output of Nephrology, an Analysis (Clinical, Translational and Basic Research) Over 2000-2011  Discussion  Marc E. De Broe, Belgium		
16:10 - 16:40 16:40 - 16:50	Diabetic Nephropathy Revisited Discussion Gert Mayer, Austria		

### 17:20 – 18:10 Visit of the Historical Building of the Semmelweis University

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

### **AUGUST 28 (Wednesday)**

Moderator: Gert Mayer, Austria				
09:00 - 09:30 09:30 - 09:40	<b>Nephrolythiasis: New Insight into Mechanism and Consequences</b> Discussion <i>Marc E. De Broe, Belgium</i>			
09:40 - 10:10 10:10 - 10:20	Bone-Vascular Cross-Talk Discussion Gerald M. London, France			
10:20 - 10:50 10:50 - 11:00	Arterial Calcification Aging Cardiovascular Function in ESRD Discussion Gerald M. London, France			
11:00 - 11:30	Coffee Break			
Moderator: Marc E.	De Broe, Belgium			
11:30 - 12:00 12:00 - 12:10	Renal Artery Stenosis: New View on a Difficult Clinical Problem Discussion Andrzej Wiecek, Poland			
12:10 - 12:40 12:40 - 12:50	Vitamin D Discussion Csaba P. Kovesdy, U.S.A.			
12:50 - 13:40	Lunch			
Moderator: Andrzej	j Wiecek, Poland			
13:40 - 14:10 14:10 - 14:20	ESA Therapy Discussion Markus Ketteler, Germany			
14:20 - 14:50	FGF23 Antagonism: The Thin Line between Adaptation and Maladaptation in Chronic Kidney Disease			
14:50 - 15:00	Discussion  Markus Ketteler, Germany			
15:00 - 15:30	Tolvaptan in Patient with Autosomal Dominant Polycystic Kidney Disease			
15:30 - 15:40	Discussion  Gerald Schulman, U.S.A.			
15:40 - 16:10	Coffee Break			
Moderator: Markus	Ketteler, Germany			
16:10 - 16:40 16:40 - 16:50	The Population Genetics of Chronic Disease Discussion			

Karl Skorecki, Israel

16:50 - 17:20 17:20 - 17:30	<b>Hypertension – Misattributed Kidney Disease in African Americans</b> Discussion Karl Skorecki, Israel		
17:30 - 18:00	Buffet		
20:00 - 21:00	ORGAN CONCERT Venue: St. Stephen Basilica 1051 Budapest, St. Stephen square		
AUGUST 29 (Thurs	sday)		
Moderator: Raymon	d Vanholder, Belgium		
09:00 - 09:30 09:30 - 09:40	The Findings of the EPPIC Trial (AST-120) Discussion Gerald Schulman, U.S.A.		
09:40 - 10:10 10:10 - 10:20	Management of Lupus Nephritis Discussion Joanne Bargman, Canada		
DIALYSIS			
10:20 - 10:50 10:50 - 11:00	PD Discussion Joanne Bargman, Canada		
11:00 - 11:30	Coffee Break		
Moderator: Joanne l	Bargman, Canada		
11:30 - 12:00 12:00 - 12:10	<b>Dialysis Duration</b> Discussion Raymond Vanholder, Belgium		
12:10 - 12:40 12:40 - 12:50	<b>Urinary and Serum Biomarkers in Acute Kidney Injury</b> Discussion Raymond Vanholder, Belgium		
Moderator: László Rosivall, Hungary			
12:50 - 13:20	"Meet the Professors" - Discuss Your Own Questions with the Professors		

13:20 - 14:00 **Lunch** 

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

### AUGUST 30 (Friday)

### Venue: B. Braun Avitum, Aesculap Academy

1115 Budapest, Halmi u. 20-22. (Transportation will be provided.)

### DIALYSIS, TRANSPLANTATION

15:40 - 16:10 **Coffee Break** 

Moderator: István Mucsi, Canada, Hungary			
09:00 - 09:30	When to Initiate Dialysis? - Is it Really True that the Earlier the Better?		
09:30 - 09:40	Discussion		
	Francesco Locatelli, Italy		
09:40 - 10:10	Online Haemodiafiltration: Is it Really the Technique of the Future?		
10:10 - 10:20	Discussion		
	Francesco Locatelli, Italy		
10:20 - 10:50	Novel Extracorporeal Support Techniques for Patients with SIRS		
10:50 - 11:00	Discussion		
	Balázs Szamosfalvi, U.S.A.		
11:00 - 11:30	Coffee Break		
Moderator: Frances	co Locatelli, Italy		
11:30 - 12:00	Do the Risk Factors of Dialysis Patients Have Impact on the Outcome After Kidney Transplantation?		
12:00 - 12:10	Discussion		
	Miklós Zs. Molnár, Canada		
12:10 - 12:40	Cardiovascular Risk Reduction in Kidney Transplant Recipients		
12:40 - 12:50	Discussion		
	István Mucsi, Canada, Hungary		
12:50 - 13:40	Lunch		
Moderator: Goce Sp	pasovski, Macedonia		
13:40 - 14:10	How to Handle the Failed Renal Transplant?		
14:10 - 14:20	Discussion		
	J. Harold Helderman, U.S.A.		
14:20 - 14:50	Is Islet Transplantation an Alternative to Simultaneous Pancreas- Kidney Transplantation?		
14:50 - 15:00	Discussion		
	Róbert Langer, Hungary		
15:00 - 15:30	Long Term Risks to Live Kidney Donors		
15:30 - 15:40	Discussion		
	Simin Goral, U.S.A.		

Moderator: Róbert Langer, Hungary

16:10 – 16:40
16:40 – 16:50

Diagnosis and Management of BK Nephropathy
Discussion
Simin Goral, U.S.A.

Kidney Transplantation in Emerging Countries - Macedonian
Experience for Improvement of the Program
Discussion
Goce Spasovski, Macedonia

POSTER SESSION

Moderators: Simin Goral, U.S.A.

J. Harold Helderman, U.S.A Balázs Szamosfalvi, U.S.A.

17:30 – 18:30 **Discussion with Wine and Cheese** 

18:30 - 20:00 FAREWELL RECEPTION

### **AUGUST 31 (Saturday)**

PSYCHONEPHROLOGY, REHABILITATION

Moderator:

09:00 - 09:30 09:30 - 09:40	Experience with Psychonephrology Discussion Márta Novák, Canada, Hungary
09:40 - 10:10	Rehabilitation and Social Aspects in Holistic Approach of CKD Patients
10:10 - 10:20	Discussion Ágnes Haris, Hungary Kálmán Polner, Hungary
PATHOLOGY	Naman Fonely Hangary
10:20 - 10:50 10:50 - 11:00	Renal Pathology Discussion Tibor Tóth, UK
11:00 - 11:30	Coffee Break
EXAMINATION	

11:30 - 12:20	Test
12:20 - 12:50 12:50 - 13:00	<b>Renal Pathology Quiz</b> Discussion <i>Tibor Tóth, UK</i>
13:00 - 14:00	Lunch

### **CONCLUDING REMARKS**

14:00 – 14:20 László Rosivall, Hungary

#### 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

T. Andreoli, J. Balla, J. P. Bárány, M. Bargman, C. Baylis, P.D. Bell, W. Van Biesen, R. Blantz, B. M. Brenner, M. E. De Broe, R. de Châtel, D. Cohen, A. J. Collins, E. Cole, R. Coppo, W. G. Couser, A. Covic, P. Csermely, A. Davison, Gy. Deák, G. Devins, J. Dirks, T. B. Drücke, Cs. Dzsinich, K-U. Eckardt, A. Falus, Cs. Farsang, J. Feehally, L. G. Fine, M. Fischereder, A. Fogo, D. Fouque, P. Gergely, D. Goldsmith, M. Goligorsky, M. Gooz, S. Goral, J. G. Grunfeld, S. Halperin, Á. Haris, L. Harper, U. Heemann, A. Heidland, J. H. Helderman, G. Hercz, L. Hunyadi, E. J. Holtzman, A. Horváth, A. Iaina, N. Ismail, B. Iványi, K. J. Jager, J. Járay, V-M. Kahari, K. Kauser, D. Kerjaschki, J. T. Kielstein, I. Kiss, H. Klinkmann, E. Kolossváry, G. Kovacs, Cs. P. Kövesdy, R. T. Krediet, K. Kurokawa, N. Lameire, R. Langer, S. Van Laecke, M. Little, G. M. London, A. Logan, N. Levin, F. Locatelli, F. Luft, A. MacLeod, O., Mehls, D. C. Mendelssohn, A. Meyrier, I. Mucsi, G. A. Müller, S. Mustata, J. Nagy, D. Naimark, M. Novák, K. Olgaard, R. Oberbauer, H. H. Parving, M. Paul, F. Perner, J. Peti-Peterdi, R. Pisoni, A. Rees, Gy. Reusz, P., Ronco, E. Ritz, B. Rodríguez-Iturbe, S. Rosansky, L. Rosivall, B. Rutkowski, I. Rychlik, B. Sarkadi, D. Schlöndorff, H. Schmidt-Gayk, G. Schulman, K. Skorecki, E. Slatopolsky, S. Sonkodi, A. Spät, G. Spasovski, Z. Stevanovic, T. Szabó, B. Szamosfalvi, M. Tapolyai, V. Tesar, J. Titze, A. Tislér, S. W. Tobe, T. Tóth, T. Tulassay, S. Vas, P. Venetianer, J. J. Weening, A. Wiecek, I. Wittman, D. de Zeeuw, P. A. Zillén

### **Sponsors**

















# **20th Budapest Nephrology School**

In conjunction with the 11th International Symposium on Wine and Health and on the occasion of the 8th World Kidney Day 26 - 31 August, 2013 – Budapest, Hungary

# Timetable at a glance

	Sunday August 25	Monday August 26	Tuesday August 27	Wednesday August 28	Thursday August 29	Friday+ August 30	Saturday August 31
Morning Faculty-	Registration 08:00-09:00		_		_		
	Official Opening 09:00 - 09:50						
	<b>Lectures</b> 10:00-12:00	<b>Lectures</b> 09:00-12:50	<b>Lectures</b> 09:00-12:50	<b>Lectures</b> 09:00-13:20	<b>Lectures</b> 09:00-12:50	Lectures 09:00-11:30 Examination 11:30-12:20 Lecture 12:20-13:00	
	Participant Reunion	Lunch 12:00-12:50	Lunch 12:50-13:40	Lunch 12:50-13:40	Lunch 13:20-14:00	Lunch 12:50-13:40	Lunch 13:00-14:00
Art Village Szentendre  Afternoon	<b>Lectures</b> 12:50-16:40	Lectures 13:40-16:50 Visit of the Historical Building of the Semmelweis University 17:20-18:10	<b>Lectures</b> 13:40-17:30	Sightseeing in Budapest 14:00-18:00	<b>Lectures</b> 13:40-17:30	Concluding 14:00-14:20	
		11th International Symposium on Wine and Health Lecture 16:40-17:20	Buffet 16:50-17:20	Buffet 17:30-18:00		Posters with Wine and Cheese 17:30-18:30	
Evening		Elaboration and Presentation of Wines Dinner 18:30-22:00	Boat Tour on the Danube 20:00-21:00	<b>Organ Concert</b> 20:00-21:00	Free Evening	Farewell Reception 18:30-20:00	

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

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