



FONDAZIONE
INTERNAZIONALE
MENARINI

Focus on Rare Diseases

**The Genetic and Molecular Basis
of Rare Kidney Disorders**

Bergamo (Italy), October 9th - 11th, 2008

Organized by

DIPARTIMENTO DI IMMUNOLOGIA E CLINICA DEI TRAPIANTI
DIPARTIMENTO DI ONCOLOGIA ED EMATOLOGIA
OSPEDALI RIUNITI BERGAMO
ISTITUTO MARIO NEGRI
FONDAZIONE OSPEDALI RIUNITI
FONDAZIONE INTERNAZIONALE MENARINI

PROGRAM

Aula Conferenze
Università di Bergamo, Complesso di Sant'Agostino, Città Alta

Sala Alabastro,
Centro Congressi Papa Giovanni XXIII, Viale Papa Giovanni XXIII, 106

The notion that the study of rare diseases sometimes tells us more than that of common ones is not new, and dates back as early as 17th century, as we learned from a famous letter of William Harvey to a Dutch physician.

In the field of kidney diseases this notion is particularly true. During the last few years we have witnessed a tremendous increase in our knowledge of the genetic nature of a number of rare kidney diseases. The investigation of the role of genetic disruption at the basis of pathological processes in the kidney has helped not only in understanding the diseases states but also has highlighted developmental and physiological functions, and revealed important insights into kidney function.

There is now a fertile intellectual terrain that supports the interaction and the sharing of interests by clinical nephrologists and geneticists and offers exciting prospects for both research fields.

By organising the International Conference “Genetic and Molecular Basis of Rare Kidney Disorders” we have aimed to bring together research geneticists, nephrologists and clinicians, and welcoming experts from related specialties. The format of the conference is focussed to achieve a bench to bedside scope and spirit.

We have produced a program that attempts to bring to the attention of the audience the latest findings on and around the core themes of rare kidney diseases.

The conference speakers will cover a variety of topics: glomerular filter structure and function in healthy and diseased states, genetic basis of glomerular diseases (Focal and Segmental Glomerulosclerosis, Hematuric Syndromes, Dense Deposit Disease), inherited disorders of tubular function, and renal developmental disorders. We expect to be challenged and inspired by a panel of first-class speakers presenting their latest findings.

We are extremely proud that the Conference Keynote lecture is delivered by Nobel Laureate Professor Peter Agre, who will discuss the impact that the discovery of aquaporins, a family of membrane proteins that regulate water movements in and out of the cells, had on the understanding of physiologic and pathologic states.

Giuseppe Remuzzi and Tiziano Barbui

Under the Auspices of
Società Italiana di Nefrologia (SIN)

Co-Presidents of the Meeting

Giuseppe Remuzzi

Dipartimento di Immunologia
e Clinica dei Trapianti
Ospedali Riuniti
Istituto Mario Negri Bergamo (Italy)

Tiziano Barbui

Dipartimento di Oncologia
ed Ematologia
Ospedali Riuniti
Bergamo (Italy)

Scientific Secretariat

Arrigo Schieppati

USC Nefrologia Dialisi Trapianto
Ospedali Riuniti di Bergamo (Italy)

Organizing Secretariat

Fondazione Internazionale Menarini
Via W. Tobagi, 8
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Phone: +39 02 55308110
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Thursday, October 9th, 2008 – h. 18.00
Aula Conferenze, Università di Bergamo, Complesso di Sant'Agostino, Città Alta

Opening ceremony

18.00

Welcome address

18.30

Lecture: G. Remuzzi (Bergamo, I)
The genetic and molecular basis of glomerular filtration

Friday, October 10th, 2008 – Morning
Sala Alabastro, Centro Congressi Papa Giovanni XXIII

Session I - Genetic and molecular basis of disorders of glomerular structure and function

Chairpersons: **A. Benigni** (Bergamo, I)
F. Scolari (Brescia, I)

- 09.00 **K. Tryggvason** (Stockholm, S)
The slit-diaphragm, platform to regulate podocyte function:
the case of Finnish-type congenital nephrotic syndrome
- 09.30 **M.P. Winn** (Durham - NC, USA)
TRPC6 as cause of familial focal and segmental
glomerulosclerosis
- 10.00 **A. Renieri** (Siena, I)
Familial hematuric syndromes
- 10.30 Coffee break
- 11.00 **P.F. Zipfel** (Jena, D)
Dense deposit disease
- 11.30 **M. Noris** (Bergamo, I)
Glomerulopathy with fibronectin deposits
- 12.00 **P. Ronco** (Paris, F)
COL4A1 mutations and hereditary angiopathy, nephropathy,
aneurysms, and muscle cramps
- 12.30 *Keynote Lecture*
P.C. Agre (Baltimore - MD, USA)
The discovery of aquaporins: implication for health and
disease
- 13.15 General discussion
- 13.30 Lunch

Friday, October 10th, 2008 – Afternoon
Sala Alabastro, Centro Congressi Papa Giovanni XXIII

Session II - Genetic and molecular basis of tubular transport defects

Chairpersons: **P. Messa** (Milan, I)
A. Schieppati (Bergamo, I)

- 14.30 **A. Bettinelli** (Merate - Lecco, I)
Hypokaliemic disorders
- 15.00 **O. Devuyst** (Brussels, B)
Chloride channels in the kidney: the case of Dent's disease
- 15.30 Coffee break
- 16.00 **P.M.T. Deen** (Nijmegen, NL)
Nephrogenic diabetes insipidus: from bed to bench and back
- 16.30 **D.G. Warnock** (Birmingham - AL, USA)
Rare genetic forms of hypertension
- 17.00 General discussion

Saturday, October 11th, 2008 – Morning
Sala Alabastro, Centro Congressi Papa Giovanni XXIII

Session III – Renal development disorders

Chairpersons: **E. Daina** (Bergamo, I)
L. Minetti (Milan, I)

- 09.30 **A.C.M. Ong** (Sheffield, UK)
Autosomal recessive polycystic kidney disease
- 10.00 **S. Kmoch** (Prague, CZ)
Alteration of uromodulin biology: medullary and glomerulocystic kidney diseases
- 10.30 Coffee break
- 11.00 **E.A. Otto** (Ann Arbor - MI, USA)
Oligogenic inheritance in nephronophthisis
- 11.30 **R. Salomon** (Paris, F)
Renal-coloboma syndrome
- 12.00 **G. Capasso** (Naples, I)
Renal tubular acidosis
- 12.30 Conclusion of the meeting
- 13.00 Lunch

GENERAL INFORMATION

Meeting venues

The venues for the Meeting will be:

- October 9th, “Aula Conferenze”, Università di Bergamo, Complesso di Sant'Agostino (Città Alta)
- October 10th – 11th, “Sala Alabastro”, Centro Congressi Papa Giovanni XXIII (Viale Papa Giovanni XXIII, 106 - I-24121 Bergamo)
Phone: +39 035 236435.

Secretariat during the Meeting

The Secretariat will be open at the following times:

- Friday, October 10th, from 08.00 a.m. to 05.30 p.m.
- Saturday, October 11th, from 08.30 a.m. to 01.00 p.m.

Official language

The official language of the Meeting will be English.

Registration

The Meeting is free to attend. Please confirm the participation to the Organizing Secretariat (Fondazione Internazionale Menarini - Phone: +39 02 55308110 Fax +39 02 55305739 - E-mail: milan@fondazione-menarini.it) **within Monday, September 15th, 2008.**

CME Credits

CME Credits for Physicians and Biologist have been applied for from the Italian Health Authorities.

European CME credits (ECMEC's)

European CME credits have been applied for from the European Accreditation Council for Continuing Medical Education (EACCME).

Technical facilities

Facilities will be available for computer presentations and overhead projections. A business center with PC (Powerpoint for Windows) will be available for check and preview of presentations. It is essential that speakers take their presentation to the business center at least one hour before the session starts.

The center will be open at the following times:

- Friday, October 10th, from 08.00 a.m. to 05.30 p.m.
- Saturday, October 11th, from 08.30 a.m. to 01.00 p.m.

Lunches and coffee breaks

Lunches and coffee breaks will be served in the Meeting area.

Abstracts book

Participants will receive the Abstract book at the Meeting.

**LIST OF CHAIRMEN, SPEAKERS, CO-PRESIDENTS OF
THE MEETING AND SCIENTIFIC SECRETARIAT**

PETER C. AGRE

Dept. Molecular Microbiology and Immunology
Johns Hopkins Malaria Research Institute
Bloomberg School of Public Health
Baltimore (Maryland, USA)

TIZIANO BARBUI

USC Ematologia
Ospedali Riuniti Bergamo (Italy)

ARIELA BENIGNI

Dipartimento di Medicina Molecolare
Istituto di Ricerche Farmacologiche Mario Negri
Bergamo (Italy)

ALBERTO BETTINELLI

Unita' Operativa di Pediatria
Ospedale S. Leopoldo Mandic
Merate (Lecco, Italy)

GIOVAMBATTISTA CAPASSO

Dipartimento di Nefrologia
II Università degli Studi - Naples (Italy)

ERICA DAINA

Centro di Ricerche Cliniche per le Malattie Rare Aldo e Cele Daccò
Istituto di Ricerche Farmacologiche Mario Negri
Ranica (Bergamo, Italy)

PETER M.T. DEEN

Section Cell Physiology
Dept. Physiology
Nijmegen Center of Molecular Life Sciences (NCMLS)
Radboud University Nijmegen Medical Center (RUNMC)
Nijmegen (The Netherland)

OLIVIER DEVUYST

Division of Nephrology
NEFR Unit
Université Catholique de Louvain Medical School
Brussels (Belgium)

STANISLAV KMOCH

Center for Applied Genomics
Institute for Inherited Metabolic Disorders
Prague (Czech Republic)

PIERGIORGIO MESSA

Nefrologia e Dialisi
Ospedale Maggiore I.R.C.C.S
Milan (Italy)

LUIGI MINETTI

Divisione di Nefrologia
Ospedale Niguarda Cà Granda
Milan (Italy)

MARINA NORIS

Laboratorio di Immunologia e Genetica dei Trapianti e Malattie Rare
Istituto di Ricerche Farmacologiche Mario Negri
Ranica (Bergamo, Italy)

ALBERT C.M. ONG

Kidney Genetics Group
Academic Nephrology Unit
The Henry Wellcome Laboratories for Medical Research
School of Medicine and Biomedical Sciences
University of Sheffield (UK)

EDGAR OTTO

Department of Pediatrics
University of Michigan
Ann Arbor (MI, USA)

GIUSEPPE REMUZZI

Dipartimento di Immunologia e Clinica dei Trapianti
Ospedali Riuniti Bergamo
Istituto Mario Negri
Bergamo (Italy)

ALESSANDRA RENIERI

Unità di Genetica Medica
Università degli Studi di Siena
Policlinico "Le Scotte"
Siena (Italy)

PIERRE RONCO

Department of Nephrology & Inserm
Hopital Tenon
Paris (France)

RÉMI SALOMON

Service de Néphrologie Pédiatrique
Centre de Référence des Maladies Rénales Hérititaires de l'Enfant
et de l'Adulte (MARHEA)
Hôpital Necker - Enfants Malades
Paris (France)

ARRIGO SCHIEPPATI

USC Nefrologia Dialisi Trapianto
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Divisione di Nefrologia
Università degli Studi - Brescia (Italy)

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Department of Medical Biochemistry and Biophysics
Karolinska Institutet
Stockholm (Sweden)

DAVID G. WARNOCK

Department of Medicine
University of Alabama at Birmingham
Birmingham (AL, USA)

MICHELLE P. WINN

Division of Nephrology
Center for Human Genetics
Duke University Medical Center
Durham (NC, USA)

PETER F. ZIPFEL

Dept. Infection Biology
Leibniz Institute for Natural Product Research and Infection Biology
Hans Knoell Institute
Jena (Germany)



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Physician

Biologist

REGISTRATION FORM

Family name _____

First name _____

Title _____ Institute/Organization _____

Mailing address _____

Postal code _____

City _____ Country _____

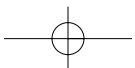
Telephone _____ Fax _____

e-mail _____

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Date _____

Signature _____



Menarini Foundation Symposia: 192

