

ERA-EDTA CME COURSE

In collaboration with

ERA-EDTA Immunonephrology Working Group

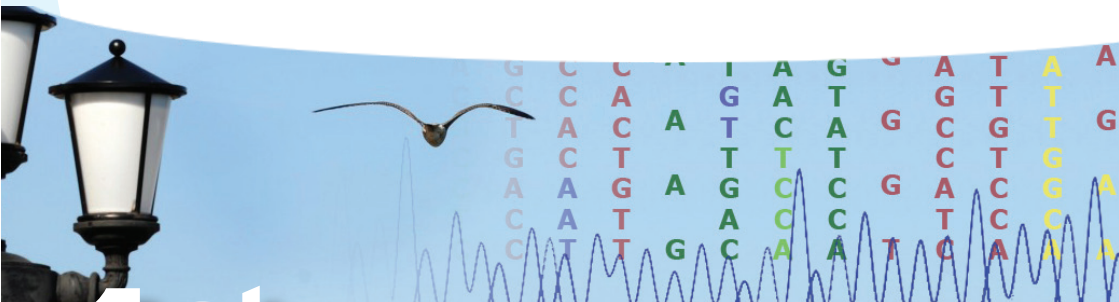
Coordinator Rosanna Coppo

Regina Margherita Hospital Pediatric Nephrology

University of Turin - Italy

and

ERA-EDTA Continual Medical Education Working Group



1st Meeting on **OMICS**

towards the systems biology approach
in renal diseases and transplantation

13th-14th September 2013

Tecnopolis

Scientific and Technological Park

VALENZANO (BA)

September 13th 2013

8:30

Introduction

Loreto Gesualdo & Rosanna Coppo

I Session

(Chairmen: Francesco Scolari & Francesco Paolo Schena)

8:45 - 9:30

A system biology overview of IgAN

Ali Gharavi

Brief Communication

Innate immunity and involvement of the CX3CR1-FKN axis in promoting hematuria in IgA nephropathy patients

Sharon N. Cox

Discussion

September 13th 2013

II Session
(Chairmen: Jesus Egido & Harry Holthofer)

9:30 - 11:00

Cross-species analysis of transcriptomics in human-animal model of diabetic nephropathy

Carla Zoja

Urine proteomics in diabetic nephropathy

Petra Zürbig

Brief Communications

Investigation of urinary microRNAs as novel biomarkers for diabetic nephropathy

Cristina Beltrami

miRNA profiling in human diabetic nephropathy

Francesca Conserva

Discussion

11:00 - 11:15

Coffee break

September 13th 2013

III Session

(Chairmen: Mohamed R. Daha & Alessandro Amore)

11:15 - 13:00

Cross-species transcriptional network analysis defines shared inflammatory responses in acquired renal diseases

Maja T. Lindenmayer

The search for genetic links in ANCA-associated vasculitis and its variants

Vladimir Tesar

The complement system in atypical hemolytic uremic syndrome: towards a system biology approach

Elena Bresin

Brief Communications

MicroRNA expression profiling of nephron segments using laser capture micro-dissection

Christopher Carrington

Interferon-alpha signature in Lupus Nephritis is associated with activation of pro-inflammatory and antigen presentation pathways in renal tubular epithelial cells

Giuseppe Castellano

Discussion

13:00 - 14:00

Light lunch and poster session

September 13th 2013

14:00 - 16:00

IV Session
(Chairmen: Jürgen Floege & Giovambattista Capasso)

Quantitative large scale metabolomic analysis in renal disease
Guido Dahlmann

Advances of genomic science and systems biology in renal transplantation
Rainer Oberbauer

Omics analysis in Chronic Humoral Rejection
Giuseppe Grandaliano

Omics in AKI: a role for microvesicles?
Vincenzo Cantaluppi

Brief Communications

Integrated messenger rna and microrna profiles suggest an interferon alpha signature in chronic antibodymediated rejection (CAMR)
Paola Pontrelli

Phosphoproteome analysis of peripheral blood mononuclear cells (PBMCs) to investigate antibodymediated chronic graft rejection
Maria Teresa Rocchetti

Discussion

September 13th 2013

V Session **(Chairmen: Maria Svelto & Elena Ranieri)**

16:00 - 17:15

Building a model of diabetic nephropathy from multiple markers and profiles

Gert Mayer

Biomarker panel selection from Omics profiles

Andreas Heinzl

Could systems biology help to design studies more efficiently?

Bernd Mayer

Discussion

Meet the expert

17:15 - 18:30

Bioinformatics and systems biology analysis

Gianluigi Zaza, Bernd Mayer, Gert Mayer

18:30 - 19:00

Summary and Conclusion

Giovambattista Capasso

20:30

Social Dinner

September 14th 2013

VI Session
(Chairmen: Salvatore Di Paolo & Vladimir Tesar)

European renal biopsies registries:

9:00 - 11:00

- | | |
|-------------------|--------------------------------------|
| • Czech Republic: | Ivan Rychlik |
| • Denmark: | James Heaf |
| • Italy: | Loreto Gesualdo |
| • Norway: | Bjørn Egil Vikse |
| • Poland: | Agnieszka Perkowska-Ptasińska |
| • Scotland: | Colin C. Geddes |
| • Spain: | Juan M. López-Gómez |

Up-date on IWG Projects: VALIGA Project

11:00 - 13:00

Complement in IgAN
Jürgen Floege & Mohamed Daha

Interferon regulated genes and immunoproteasome
Rosanna Coppo & Ali Gharavi

Intestinal microbioma in IgAN
Loreto Gesualdo & Marco Gobbetti

Soluble transferring receptor in urine
Marijn Speeckaert

GWAS in VALIGA patients
Ali Gharavi & Rosanna Coppo



Honorary President:

Francesco Paolo Schena

Presidents:

Rosanna Coppo & Loreto Gesualdo

Secretariat:

G. Castellano, F. Pesce, G. Zaza, S. Simone, E. Ranieri, G. Grandaliano

Local Committee:

M. Accetturo, G. Dalfino, M. Gigante, M. Gigante, E. Montemurno, M. Papale, P. Pontrelli,
MT. Rocchetti, F. Sallustio

Organizing Secretariat:

Intermeeting
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Tel. +39 080.5482005

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www.intermeeting.org

DETAILS AND GENERAL INFORMATION

Venue:

Tecnopolis - Scientific and Technological Park
S.P. Casamassima Km.3 - 70010 Valenzano (Ba) - Italy
GPS lat= 41.018906 lon= 16.901951

Applications:

Should be sent via email to omics.edta@gmail.com (requested minimum name,
DOB, affiliation, address, e-mail and telephone contact)

Deadline abstract submission: **July 27th 2013**

Deadline registration: **August 31th 2013**

The number of participants is limited up to 100 and the choice will be based on first-
comes, first served rule. Preference will be given to young nephrologists ($\leq 35y$)

Registration Fee:

50 €

Included: congress materials, guaranteed low hotel prices, refreshments, social
program

Travel Grants:

The Best Abstracts submitted by young nephrologists ($\leq 35y$)
will receive ERA-EDTA travel grants (up to 500 €).



<http://www.era-edta.org/Bari2013.htm>

