

Academy of Ideas



September 1-3, 2014

Biogem, Ariano Irpino

Welcome to Academy of Ideas

The Academy of Ideas is an initiative of the Italian Society of Nephrology, dedicated to young people who work in nephrology.

The initiative has been conceived a) to create an international network of knowledge and collaboration among young researchers to facilitate the establishment of relationships and to promote the creation of new projects and the publication of works of high scientific impact b) to foster the understanding of the business perspective in the nephrology sector.

This edition wants to promote innovative ideas at different levels of maturity along the research and innovation process, through two distinct sections meant for people who present basic or applied research ideas and people who submit proofs of concepts.

The academy of ideas represents a challenge but also a great opportunity for young people to bring to light ideas and talents.

The Scientific Committee of the Academy of Ideas

Program

Monday 1st September 2014

- 14.00 - 14.30 **Welcome Cocktail**
Opening Session: **BIOGEM** President Ortensio Zecchino, Ariano Irpino
- 14.30 - 15.00 **Briefing on submitted Projects**
Chairs: Giovambattista Capasso, Naples - Daniele Cusi, Milan - Loreto Gesualdo, Bari
- 15.00 - 15.45 **Invited Lecture I**
Chair: Giacomo Garibotto, Genoa
Paola Romagnani, Florence
The kidney between regeneration and fibrosis
- 15.45 - 17.05 **Oral Session I – Basic Research**
Chairs: Alessandra Perna, Naples - Giuseppe Castellano, Bari
- 15.45 - 16.05 Nikita Radionov, Paris (France): **Characterization of the WNK4-dependent sodium absorption pathway in the cortical collecting duct**
- 16.05 - 16.25 Annarita Di Nunzio, Naples (Italy): **Marker targeting vs. marker guidance: toward a more rational monitoring of CVD risk in renal disease**
- 16.25 - 16.45 Beatriz Fernández, Madrid (Spain): **Metabolic acidosis is associated with monocyte activation in diabetic kidney disease (DKD)**
- 16.45 - 17.05 Chiara Donadei, Bologna (Italy): **25 (OH) D effect on EPCs phenotype in cell cultures 4from patients with chronic kidney disease (CKD)**
- 17.05 - 17.40 **Coffee break**

- 17.40 - 19.00 **Oral Session II – Basic Research**
Chairs: Michele Buemi, Messina - Antonio Bellasi, Como
- 17.40 - 18.00 Matteo Accettura, Bari (Italy): **Design of a diagnostic kit for Complement-related renal diseases**
- 18.00 - 18.20 Anna Manonelles, Barcelona (Spain): **isolation and functional characterization of renal progenitor cells from the urine of kidney transplant recipients**
- 18.20 - 18.40 Anna Iervolino, Naples - Ariano Irpino (Italy): **Beta1 Integrin: a new potential target for diuresis/aquaresis**
- 18.40 - 19.00 Alice Baganha Sabatino, Parma (Italy): **Developing new predictive equations to estimate energy expenditure in patients with Acute Kidney Injury**
- 19.00 **Conclusions**

Tuesday 2nd September

- 9.00 - 9.45 **Invited Lecture II**
Chair: Giovanni Gambaro, Rome
Carmine Zoccali, Reggio Calabria
Research in Nephrology: Biology, Observations and Clinical Trials
- 9.45 - 11.05 **Oral Session III – Categories: Basic Research**
Chairs: Francesca Mallamaci, Reggio Calabria - Giorgio Gentile, Bergamo
- 9.45 - 10.05 Federica Petrillo, Naples (Italy): **miRNAs in the CD a novel potential target for aquaresis.**
- 10.05 - 10.25 Maria Luisa Agüera, Cordoba (Spain): **Role of the intravenous iron formulation in renal anemia treatment of hemodialysis patients: generic versus original**
- 10.25 - 10.45 Carlo Maria Alfieri, Milan (Italy): **CD45, Vimentin and Periostin as novel markers of renal graft outcome**
- 10.45 - 11.05 Adelaide Di Lorenzo, Foggia (Italy): **Semaphorin 3f as a predictive biomarker of preeclampsia**

11.05 - 12.10 **Coffee with Posters - Categories: Proof of Concept1**

Chairs: Gaetano La Manna, Bologna - Geppino Falco, Ariano Irpino

Federica Cataneo, Foggia (Italy): **The role of ischemic preconditioning on kidney injury in patients undergoing percutaneous coronary angiography**

Roberta Clari, Orbassano (Italy): **PROTEREN: low PROtein diets to proTEct RENal function in the failing kidney**

Roberta Clari, Orbassano (Italy): **EBE-e-BEE: an ideal dialysis concept.**

European-Based; E-learning: experience-Based Extensive Education for intensive; ideal dialysis

Elisa Ricci, Perugia (Italy): **Nephrology in a click**

Fabio Sangregorio, Foggia (Italy): **The role of urinary biomarkers for the early diagnosis of AKI in ICU patients**

Francesca Timio, Perugia (Italy): **Creating and improving video pearls of knowledge regarding lifestyle in chronic kidney disease patients**

12.10 - 13.30 **Oral Session IV – Categories: Proof of Concept**

Chairs: Enrico Fiaccadori, Parma - Pasquale Esposito, Pavia

12.10 - 12.30 Giovanni Piscopo, Bari (Italy): **New therapeutic and molecular approaches for treatment and management of ADPKD patients**

12.30 - 12.50 Elena Cremaschi, Parma (Italy): **A prospective proof-of-concept study to test the efficacy of ELISPOT and CXCL9 in safely minimize immunosuppression in kidney transplant recipients**

12.50 - 13.10 David Arroyo, Lleida (Spain): **Designing tools to assist clinical practice in the internet era**

13.10 - 13.30 Eustacchio Montemurno, Bari (Italy): **A monitored tuning of CKD gut microbiota: a new all-in-one symbiotic and uremic assay kit**

13.30 - 15.00 **Light Lunch**

15.00 - 15.45 **Invited Lecture III**

Chair: Antonio Santoro, Bologna

Alberto Martínez Castela, Barcelona - President Spanish Society of Nephrology

Pharmakogemomic biomarkers in CKD: a joint research `project of the S.E.N. and the S.I.N.

15.45 - 17.00 **Coffee with Posters – Categories: Basic Research**

Chairs: Giuseppe Quintaliani, Perugia - Salvatore Coppola, Piedimonte Matese

Andrea Angeletti, Bologna (Italy): **Early biomarkers of ATI and pathophysiology of renal damage in the context of a carbon tetrachloride induced cirrhosis model in rats**

David Arroyo, Lleida (Spain): **Early diagnosis of atheromatosis in chronic kidney disease: the NEFRONA study**

Valeria Cernaro, Messina (Italy): **Fibrosis; regeneration and cancer: links; molecular pathways and potential role of microvesicles**

Valeria Cernaro, Messina (Italy): **Diagnosis and treatment of Acute Kidney Injury (AKI) in critically ill patients: in search of the ideal biomarker for renal and cardiovascular impairment**

Edoardo La Porta, Pavia (Italy): **Mechanisms of wasting syndrome in haemodialysis patients: the role of Myostatin/HGF balance**

Cuna Vania, Bologna (Italy): **Immunomodulatory activity of NGAL in uremic patients**

17.00 - 18.20 **Oral Session V – Categories: Basic Research**

Chairs: Giovanni Pertosa, Bari - Francesco Trepiccione, Naples

17.00 - 17.20 Clara Barrios, Barcelona (Spain): **Non-targeted metabolomics approach reveals two gut metabolites in early stages of chronic kidney disease**

17.20 - 17.40 Enrica Zona, Naples (Italy): **Modeling Bardet Biedl syndrome with renal involvement**

17.40 - 18.00 Paola Pontrelli, Bari (Italy): **A new potential strategy for the study of chronic antibody-mediated rejection (CAMR)**

18.00 - 18.20 Claudia Torino, Reggio Calabria (Italy): **Obesity And renal Function in pEdiatric aGe: an epidemiological study in the CAlabrian region investigating Renal dysfunction in overweight/obese adolescents The SAFEGUARD-CKD project**

18.20 **Conclusions**

Wednesday 3rd September

9.00 - 9.45 **Invited Lecture IV**

Chair: Antonio Dal Canton, Pavia

Jose Luis Górriz Teruel, Valenza - Secretary Spanish Society of Nephrology

The epidemiological studies of the Spanish Society of Nephrology

9.45 - 11.05 **Oral Session VI - Categories: Basic Research**

Chairs: Teresa Rampino, Pavia - Massimo Papale, Bari Foggia

9.45 - 10.05 Elena Lazzeri, Florence (Italy): **Urine-derived human renal progenitors for the functional diagnosis and disease modeling of genetic kidney disorders**

10.05 - 10.25 Simona Simone, Bari (Italy): **Effects of Ethylen-vinyl-alcohol (EVAL); a low coagulation activation membrane; on oxidative stress and cardiovascular risk in hemodialysis patients: a clinical and system biology study**

10.25 - 10.45 Francesca Ansaldo, Genoa (Italy): **Role of glucose transport on accelerated ageing and tubulointerstitial injury in the kidney**

10.45 - 11.05 Alexander Holderied, Munich (Germany): **Glomerular Parietal Epithelial Cell Activation Induces Collagen Secretion and Thickening of Bowman's Capsule in Diabetes**

11.05 - 11.40 **Coffee break**

11.40 - 12.40 **Hot Topics in Nephrology**

Chairs: Giancarlo Marinangeli, Giulianova - Sara Caropreso, Naples

11.40 - 12.10 **Mini Lecture**

Luca Rampoldi, Milan (Italy): **The rediscovery of uromodulin: from tubulo-interstitial nephropathy to chronic kidney disease and hypertension**

12.10 - 12.40 **Mini Lecture**

Christodoulos Xinaris, Bergamo (Italy): **Generation of functional kidney tissue from suspensions of single cells**

12.40 - 13.25 **Invited Lecture III**

Chair: Piergiorgio Messa, Milan

Giuseppe Remuzzi, Bergamo

Slowing down progression of renal diseases: we have done a long way but it is not yet the time to stop

13.25 **Summary and Conclusions**

13.25 - 14.30 **Light Lunch**

Meeting Venue **Biogem**

Via Camporeale Area P.I.P.

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