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
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 from 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 Accetturo, 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**

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**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 Concept**
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
Giovanni Piscopo, Bari (Italy): New therapeutic and molecular approaches for treatment and management of ADPKD patients
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
David Arroyo, Lleida (Spain): Designing tools to assist clinical practice in the internet era
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 Castelao, 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, Napoles (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**
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

9.45 - 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

10.05 - 10.45  Francesca Ansaldo, Genoa (Italy): Role of glucose transport on accelerated ageing and tubulointerstitial injury in the kidney

10.25 - 10.45  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**

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**Meeting Venue**

**Biogem**
Via Camporeale Area P.I.P.
Ariano Irpino (AV) Italy
www.biogem.it
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