



TRANSLATIONAL RESEARCH INITIATIVE IN OPHTHALMOLOGY (TRIO)



For the registration visit:

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Attendance is limited to 30 participants

Conference on New Research Challenges

Venue:

Neuroscience School of Advanced Studies

San Quirico d'Orcia, Siena, Italy

April 2 – 5, 2012

Translation Research Initiative in Ophthalmology

The conference purpose is to highlight discoveries, technologies and innovation on mechanisms, novel tools/approaches that aims to prevention and effective therapies for eye diseases

Conference Chair

Professor Nicolas Bazan, MD, PhD, School of Medicine, Louisiana State University Health Sciences Center, New Orleans, LA, USA

Organizer

Caterina Gagliano, MD, PhD, Neurovisual Science Technology (NEST) Catania, Italy

The Translational Initiative in Ophthalmology will bring together leading scientists, researchers, and top experts from academia and industry to discuss emerging topics in ocular research, to summarize cutting edge developments as well as translational innovative avenues. The memorable environment of Tuscany will also foster collaborative research interactions.

The first meeting of TRIO will be held in San Quirico d'Orcia 2 – 5 April, 2012. The summit will feature plenary lectures and discussions aimed at establishing partnerships in research and business.

Participation is encouraged by ophthalmologists from academic centers and companies.

Research Groups will be formed at the Conference.

Topics to be discussed will include:

- Neuroinflammation in Glaucoma
- Human Cornea Nerve Architecture and Refractive Surgery
- Innovative Keratoplasty Surgery
- Neuroinflammation in AMD
- Novel Survival Signalling in RPE/Photoreceptor Cell Interactions
- Novel Mechanisms / Approaches for Neuroprotection
- Inflammatory Response Modulation
- Anti – Angiogenesis
- Nerve Regeneration
- Innovation in Anterior Segment Surgery



Local Organizer
Livia Azzinnari Prezzo

Monday, April 2, 2012

- 3:00 PM** Opening – Caterina Gagliano, MD
- 3:15 PM** Welcome – Local Authorities
- 3:30 PM** Welcome – Nicolas G. Bazan, MD, PhD
- 3:50 PM** Introduction of Mark S. Blumenkranz, MD
- 3:55** PM Lecture of Mark S. Blumenkranz, MD “A New Platform for Correlation of Ophthalmological Clinical Research Data, Patient Care and Industry Interactions”
- 5:00 PM** Teresio Avitabile, MD to Introduce Nicolas G. Bazan, MD, PhD
- 5:05 PM** Lecture Nicolas G. Bazan, MD, PhD
“Deciphering Early Responses in Retinal Degenerations: Novel Targets for Photoreceptor Survival”
- 6:05 PM** Presentation of workshops
Constitution of the research groups
- 7:00 PM** RECEPTION

Tuesday AM

- 9:00 Massimo Busin, MD, Head of Ophthalmology, Villa Serena Private Hospital, Forlì, Italy: "Innovative keratoplasty surgery"
- 10:00 Introduced by Dr Caterina Gagliano - Haydee Bazan, PhD, Professor of Ophthalmology and Neuroscience, LSUHSC, New Orleans, USA: "Human Cornea Nerve Architecture: The Challenge of Cornea Nerve Rescue in Refractive Surgery"
- 11:00 Coffee break
- 11:15 Carlos Belmonte, M.D., Ph.D , Professor, Instituto de Neurociencias de Alicante Universidad Miguel Hernández-Consejo Superior de Investigaciones Científicas San Juan de Alicante, Spain "Ocular Dryness Sensation and Disturbed Tearing, a Causal Relationship?"
- 12:15 Presentation of Translational Research Programs: Chair: Filippo Drago, MD, PhD, Professor of Pharmacology, Catania University, Italy - General Goals and Specific Objectives: Dr Caterina Gagliano - NEST activities: Dr Roberta Amato

Tuesday PM

- 2:00 Jose-Alain Sahel, MD, Chairman of Ophthalmology, Quinze-Vingts National Ophthalmology Hospital, France: "Towards a cone-directed comprehensive therapeutic strategy in retinitis pigmentosa"
- 3:00 Miriam Kolko, MD, PhD, Associate Professor of Ophthalmology, University of Copenhagen, Denmark: "Inflammatory Signaling and the Mueller cell in the pathophysiology of glaucoma"
- 4:00 Coffee break
- 4:15 1. Translational Research Program: Smoking and eye: I - Epidemiology, biochemical mechanisms, basic science. II - Interventional studies to treat the damage caused by smoking. COORDINATOR: Prof. Filippo Drago – Prof. Pietro Castellino. Workshop Speakers: Dr Antonio Longo, Dr Luigi Maiolino, Dr Dario Rusciano, Dr Monia Zurria

8:00 Dinner

Wednesday AM

- 9:00 Friedrich Paulsen, MD, PhD, Head of Anatomy, University of Erlangen-Nuremberg, Germany: "Mechanisms of epithelial (immune) defense at the ocular surface"
- 10:00 2. Translational Research Program: Sex differences in ocular diseases. COORDINATORS: Prof. Ettore Cicinelli – Prof. Teresio Avitabile Workshop Speakers: Prof. Pasquale Aragona, Dr Carla Cicero, Prof. Gianluca Scuderi
- 11:00 Coffee break
- 11:15 3. Translational Research Programs: Amblyopia Epidemiology, biochemical mechanisms, basic science, interventional studies. COORDINATORS: Prof. Paolo Emilio Bianchi – Prof. Paolo Nucci Workshop Speakers: Dr Roberta Amato, Dr Daniela Rocca, Prof. Felicia Ferreri, Dr Donatella Bruzzichessi, Dr Giusy Gurrieri, Dr Lilly Gallo

Wednesday PM

- 2:00 Leopold Schmetterer, PhD, Professor of Pharmacology, Medical University of Vienna, Austria: "Neuroinflammation in AMD, when does it start?"
- 3:00 Miryam Martinetti, MD, PhD, Head of Immunogenetics Laboratory, IRCCS Foundation Policlinico San Matteo, Pavia, Italy "HLA, KIR and CYTOKINE genes: the magic "TRIO" of the immune response orchestra"
- 4:00 Coffee break
- 4:15 Discussion on Translational Research Programs
- 8:00 Dinner

Thursday AM

- 9:00 Erik Van Kuijk, MD, Professor and Chairman of Ophthalmology, University of Minnesota: "Moving towards imaging the individual neuro retinal cells in Dry AMD"
- 10:00 Summary to define research strategies to tackle emerging issues of ophthalmology,
- 11:00 Closing of meeting

PARTICIPANTS

Cristina Cassar Scalia, MD

Nancy Foti, Orthoptist

Ulrike Hampel, MD, PhD

Lucia La Penna, MD

Giulia Malaguarnera, PhD

Francesco Giuliano, PhD

Sergio Mangiafico, PhD

Oscar Mangione, PhD

Letizia Marrasso, PhD

Silvia Piro, MD

Laura Rania, MD

Vincenzo Russo, MD

Marco Toscani, MD

Gabriele Vizzari, MD

Panel of Advisers for Workshops:

- Teresio Avitabile, Professor of Ophthalmology, Catania University
- Haydee Bazan, Professor of Ophthalmology and Neuroscience, LSU, USA
- Carlos Belmonte, Professor of Neuroscience, University Miguel Hernandez-Alicante, Spain
- Mark Blumenkranz, Professor of Ophthalmology, Stanford University, USA
- Costantino Bianchi, Professor of Ophthalmology, Milan
- Massimo Busin, Professor of Ophthalmology, Forlì
- Miriam Kolko, Ass. Prof. of Ophthalmology, University of Copenhagen, Denmark
- Erik Van Kuijk, Professor of Ophthalmology, University of Minnesota, USA
- Pietro Colosi, Professor of Ophthalmology, Messina
- Miriam Martinetti, Professor of Immunogenetic, IRCCS, Pavia, Italy
- Friedrich Paulsen, Head of Anatomy, University of Erlangen-Nuremberg, Germany
- Antonello Rapisarda, Chief of Ophthalmology, Catania
- Alfredo Reibaldi, Professor of Ophthalmology, Catania University
- Jose-Alain Sahel, Professor of Ophthalmology, Quinze-Vingts Hospital, France
- Giovanni Scorcìa, Professor of Ophthalmology, Catanzaro University
- Leopold Schmetterer, Professor of Pharmacology, Vienna, Austria
- Maurizio Uva, Professor of Ophthalmology, Catania University