

LSU

Health
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Center



NEST
NEUROVISUAL SCIENCE TECHNOLOGY



**TRANSLATIONAL RESEARCH
INITIATIVE IN
OPHTHALMOLOGY
(TRIO)**

**Conference on New Research
Challenges**

Venue:

Neuroscience School of Advanced Studies

Palazzo Chigi Zondadari

San Quirico d'Orcia, Siena, Italy

April 2 – 5, 2012

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

Translation Research Initiative in Ophthalmology

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** **Intro 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: General Goals and Specific Objectives: 1. Smoking and the eye; 2 Sex differences in ocular diseases; 3. Amblyopia

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 Muller cell in the pathophysiology of glaucoma"
- 4:00** Coffee break
- 4:15** Translational Research Programs: 1. Smoking and eye;a translational research project studying epidemiology, biochemical mechanisms, basic science.
- 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** Translational Research Programs: 2. Sex differences in ocular diseases
- 11:00** Coffee break
- 11:15** Amblyopia: a translational research project

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** Translational Research Programs: 2. Smoking and eye; a translational research project interventional studies to treat the damage caused by smoking.
- 8**
- 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 of NEST Translational projects**
- 11:00 Closing of meeting**

FULL LIST OF ATTENDEES FOR REFERENCE

Plenary Lecturers

Haydee E.P. Bazan, PhD, Professor of Ophthalmology and Neuroscience, School of Medicine, Louisiana State University Health Sciences Center, USA

Carlos Belmonte, MD, PhD, Professor, Instituto de Neurociencias de Alicante, University Miguel Hernandez-Alicante, Spain

Mark S. Blumenkranz, MD, Professor and Chairman of Ophthalmology, Stanford University School of Medicine, USA

Massimo Busin, MD, Head of Ophthalmology, Villa Serena Private Hospital, Italy

Miriam Kolko, MD, PhD, Associate Professor of Ophthalmology, University of Copenhagen, Denmark

Erik Van Kuijk, MD, Professor and Chairman of Ophthalmology, University of Minnesota, USA

Miriam Martinetti, MD, PhD, Professor of Immunogenetic, IRCCS, Pavia, Italy

Friedrich Paulsen, MD, PhD, Head of Anatomy, University of Erlangen-Nuremberg, Germany

Jose-Alain Sahel, MD, Chairman of Ophthalmology, Quinze-Vingts National Ophthalmology Hospital, France

Leopold Schmetterer, PhD, Professor of Pharmacology, Medical University of Vienna, Austria

The course will also include workshops to define research strategies to tackle emerging issues of ophthalmology, including:

- Consequences of Smoking for Vision
- Sex differences in Ocular Diseases
- Amblyopia

Italian Panel of Advisers for Workshops:

- Pasquale Aragona, Professor of Ophthalmology, Messina University
- Teresio Avitabile, Professor of Ophthalmology, Catania University
- Paolo Emilio Bianchi, Professor of Ophthalmology, Pavia University
- Costantino Bianchi, Professor of Ophthalmology, Milano
- Ettore Cicinelli, Professor of Gynecology, Bari University
- Salvatore Caruso, Professor of Sexual Science, Catania University
- Pietro Castellino, Professor of Internal Medicine, Catania University
- Pietro Colosi, Professor of Ophthalmology, Messina
- Filippo Drago, Professor of Pharmacology, Catania University
- Marcello Lo Grano, Professor of Pharmacology, Bari University
- Giorgio Marchini, Professor of Ophthalmology, Verona University
- Paolo Nucci, Professor of Ophthalmology, Milan University
- Antonello Rapisarda, Chief of Ophthalmology, Catania
- Alfredo Reibaldi, Professor of Ophthalmology, Catania University
- Giovanni Scordia, Professor of Ophthalmology, Catanzaro University
- Gianluca Scuderi, Professor of Ophthalmology, Roma University
- Agostino Serra, Chief of Department, Catania University
- Maurizio Uva, Professor of Ophthalmology, Catania University
- Mario Zappia, Professor of Neurology, Catania University

Click [here](#) to submit workshop abstract – deadline March 15, 2012



EyeCare Together



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For the registration visit:
<http://www.nestweb.it/en/application-form.html>
or send email:
info@nestweb.it

Attendance is limited to 30 participants