

# Molecular Medicinals: from congenital to acquired hematological diseases

Lecce, June 3rd, 2025

Cnr Nanotec - Aula Rita Levi Montalcini

13:00 - 14:00 **Welcome reception and registration**

14:00 - 14:30 **Welcome Adress and Overview of the scientific vision of TecnoMed**

**FABRIZIO ILLUMINATI** (Director, Cnr Nanotec; Full Professor of Theoretical Physics, Department of Industrial Engineering, University of Salerno – Italy)

**GIUSEPPE GIGLI** (Scientific Director Tecnomed Puglia, Lecce; Full Professor of Physics, Department of Experimental Medicine, University of Salento, Lecce - Italy)

## Session 1. Molecular therapy for hemoglobinopathies

*Chairs* : **FABRIZIO ILLUMINATI** (Director Cnr Nanotec; Full Professor of Theoretical Physics, Department of Industrial Engineering, University of Salerno – Italy)

**ANNA RITA MIGLIACCIO** (Senior Investigator, Altius Institute for Biomedical Sciences – Seattle, USA and Cnr Nanotec, Lecce - Italy)

14:30 - 15:15 **Epigenetic regulation of erythropoiesis and its therapeutic implications**

**NIKOLETA PSATHA** (Assistant Professor, Department of Genetics, Development and Molecular Biology - School of Biology, Aristotle University of Thessaloniki - Greece)

15:15 - 15:35 **Beta-hemoglobinopathies: more than one curative options**

**EVANGELIA YANNAKI** (MD, Director Hematopoietic Cell Transplantation Unit and Gene & Cell Therapy Center of 'G. Papanikolaou' Hospital, Thessaloniki – Greece)

15:35 - 15:55 **Precision gene control by delivery of synthetic transcription factors in vitro and in vivo**

**JOHN STAMATOYANNOPOULOS** (MD, Full Professor of Medicine and Genome Sciences, University of Washington; Director Altius Institute for Biomedical Sciences - Seattle, WA - USA)

15:55 - 16:15 *Coffee break*

## Session 2. Molecular immune therapy for cancer

*Chairs*: **LORETTA L. DEL MERCATO** (Senior Researcher, Cnr Nanotec, Lecce - Italy)

**THALIA PAPAYANNOPOULOU** (Elo Giblett Endowed Professor, Division of Hematology and Oncology, University of Washington – USA)

16:15 - 17:00 **The vision of the Myeloproliferative Neoplasms Research Consortium (MPN-RC) to improve the therapy for myelofibrosis**

**RONALD HOFFMAN** (MD, Albert A. and Vera G. List Professor of Medicine, Professor of Hematology and Medical Oncology and Director of the Myeloproliferative Disorders Research Program - Tisch Cancer Institute, Icahn School of Medicine at Mount Sinai, New York - USA)

17:30 - 18:00 **Targeting HSC using LNP technology: strategies and potential applications**

**STEFANO RIVELLA** (Ph.D. Kwame Ohene-Frempong Chair on Sickle Cell Anemia; Professor of Pediatrics - Children's Hospital of Philadelphia; Leader of the RNA Gene Therapeutics Group - Penn Institute for RNA Innovation; Scientific Director of CuRED, Philadelphia - USA)

17:00 - 17:30 **Clinically oriented nanoparticles delivery systems for therapeutic agents**

**ILARIA E. PALAMÀ** (Senior Researcher, Cnr Nanotec, Lecce - Italy)

13:00 - 18:00 *Poster session*

*Chairs*: **TIZIANO VERRI** (Full Professor of Physiology, University of Salento, Lecce - Italy)

**FRANCESCO DE NUCCIO** (PhD, Researcher of Human Anatomy, University of Salento, Lecce - Italy)

19:30 *Conclusions*

**ANNA RITA MIGLIACCIO** (Senior Investigator, Altius Institute for Biomedical Sciences, Seattle - USA and Cnr Nanotec, Lecce - Italy)

SCIENTIFIC COMMITTEE

*CHAIRS*: GIUSEPPE GIGLI, FABRIZIO ILLUMINATI, ANNA RITA MIGLIACCIO

*MEMBERS*: LORETTA L. DEL MERCATO, ILARIA E. PALAMÀ, TIZIANO VERRI, FRANCESCO DE NUCCIO

SCIENTIFIC & ORGANIZATIONAL SECRETARIAT

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ORGANIZATIONAL & ADMINISTRATIVE SUPPORT

STEFANIA D'AMONE

ICT TECHNICAL SUPPORT

GIANVITO DE IACO, ANTONIO MARUCCIA

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The event is free to attend, but registration is required in advance via the following link:

<https://forms.gle/9MF94CEy9KYrgeq96>

Alternatively, you may scan the QR code to register