

HOW TO PREDICT CANCER EVOLUTION IN MULTIPLE MYELOMA

Innovazione nella Diagnosi delle Gammopatie monoclonali:

l'esperienza del progetto

PNRR-MAD-2022-12376660

12 MAGGIO
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CATANIA



Aula Magna Corpo Aule e
Biblioteche Edificio 13
Via Santa Sofia 78

Local PIs

Alessandra Romano, Gaetano Isola

Comitato Scientifico

Francesco Di Raimondo, Giuseppe Alberto Palumbo, Rossella Cacciola, Emma Cacciola, Andrea Duminuco, Cesarina Giallongo, Daniele Tibullo



14:00 Registration of Participants

14:30 Introduction

F. Di Raimondo, A. Romano, G. Isola, G.A. Palumbo

Opening Remarks

Prof. E. Foti, Magnifico Rettore dell'Università di Catania

Dr. G. Santonocito, Direttore Generale AOU Policlinico Rodolico San Marco

Dr. A. Lazzara, Direttore sanitario AOU Policlinico Rodolico San Marco

*Prof. P. Veroux, Direttore del Dipartimento di Chirurgia e Specialità Medico
Chirurgiche, Università di Catania*

Dr.ssa Simona Di Virgilio, Referente amministrativo progetti PNRR-AOUP

Avv. Salvatore Cavallaro, AIL Sez. Catania

Dr. Antonio Zingali, ADMO Sez. Catania

SESSION I

Innovation in preclinical research of plasma cell dyscrasias

MODERATORS: F. Di Raimondo and G.A. Palumbo

15:30 Advanced technologies in plasma cell dyscrasias: integrating NGS metabolism and isoform switching: *D. Tibullo*

15:50 New technological platforms for studying the microenvironment on tissue
C. Giallongo

16:10 The platelets' biology *R. Cacciola*

16:30 Use of platelets as a biomarker of neoplasia *D. Barbagallo*

16:50 Artificial Intelligence to Manage Multidimensional Data in Translational Hematology Research *A. Duminuco*

17:05 *Coffee break*

The background of the slide features a microscopic image of plasma cells. These cells are characterized by their large, eccentric nuclei and prominent, rough endoplasmic reticulum. The cells are shown in various orientations, with some appearing as bright orange-yellow structures against a dark purple background. The overall composition is a collage of these cells, with some overlapping and others in the foreground.

SESSION II

Challenges ahead in plasma cells dyscrasias management MODERATORS: *E.Cacciola, C.Conticelo*

- 17:30 **MGUS: risk classification and clinical management** *D. Leotta*
- 17:50 **Integrative multi-omics analysis to predict monoclonal gammopathies clinical evolution** *A. Romano*
- 18:10 **Role of FCy receptors in multiple myeloma evolution: the final results of PNRR-MAD-2022-12376660 project** *D. Cambria*
- 18:30 **The experience of AOU Policlinico in managing research after PNRR experience** *R. Ragusa*
- 18:50 **Final remarks and conclusions** *A. Romano, F. Di Raimondo, G.A. Palumbo*

FACULTY



Davide Barbagallo- Associate Professor of Cell Biology, University of Catania

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Rossella Cacciola- Associate Professor of Blood Diseases, University of Catania

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Gaetano Isola, Associate Professor of Periodontology, University of Catania

Dario Leotta, Medical fellow, University of Catania

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*Rosalia Ragusa- Director UO Internalization, Innovation and health Research,
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