

THE FUTURE OF CANCER THERAPY: THE GENOME EDITING ERA

8-9th June 2017

University Magna Græcia,
Catanzaro (Italy)
Aula Magna C
1° Level Building G

PRELIMINARY
PROGRAMME

June 8th 2017

- 10.00 Registration
- 10.30 Introduction: **Pierosandro Tagliaferri, Pierfrancesco Tassone**
Greetings from the Chancellor and local authorities
- Pre-meeting: "Hot topics in Medical Oncology: From genomics to molecular therapies of human cancer"**
Chairs: **Vito Barbieri (Catanzaro, Italy) - Marco Rossi (Catanzaro, Italy)**
- 11.00 PDL1 analysis and beyond in lung cancer immunotherapy
Umberto Malapelle (Naples, Italy)
- 11.20 New generation of kinase inhibitor in the continuum of care of thyroid and renal-cell cancer
Camillo Porta (Pavia, Italy)
- 11.40 CDK inhibitors: a new perspectives in breast cancer
Enrico Ricevuto (L'Aquila, Italy)
- 12.00 Liquid Biopsy in novel cancer treatment scenario
Marta Castiglia (Palermo, Italy)
- 12.20 Genomics of ovarian cancer in predictive oncology: the PARP inhibitors case
Ettore Capoluongo (Rome, Italy)
- 12.40 Discussion and closing remarks
- 13.00 Light lunch*
- 14.00 Opening ceremony
Greeting from AICC President **Katia Scotlandi (Bologna, Italy)**
Welcome and Meeting introduction **Maria Teresa Di Martino (Catanzaro, Italy)**
- Session 1: CRISPR-Cas9-based therapeutic strategies against human diseases**
Chairs: **Stefania Meschini (Rome, Italy) - Carlo Leonetti (Rome, Italy)**
- 14.30 TALEN gene edited cells for Allogeneic Adoptive Immunotherapy: from clean room to off-the-shelf
Roman Galetto (Cellestis SA, France)
- 14.50 Genome editing of T lymphocytes for cancer immunotherapy
Chiara Bonini (Milan, Italy)
- 15.10 CRISPR/Cas9 mediated knock-out of RUNX2 in melanoma cells
Maria Teresa Valenti (Verona, Italy)
- 15.30 CRISPR/Cas9 rescue of gene dosage in patient-specific models of neurodevelopmental disorders caused by large CNV
Giuseppe Testa (Milan, Italy)
- 15.50 Functional genomics in cancer research
Simona Lamba (Turin, Italy)
- 16.10 Coffee Break*
- 16.30 CRISPR/Cas9 system on zebrafish to generate human disease model
Gianluca Deflorian (Milan, Italy)
- 16.50 The use of CRISPR/Cas9 knock-out technology in non-mammalian animal models
Thomas Vaccari (Milan, Italy)
- 17.10 CRISPR Gene Editing: Resources for High-Throughput Screening and Disease Models
Livio Loffarelli (Thermo Scientific, Italy)

- 17.30 Novel Technologies For Rapid Generation Of Custom Animal Models And Streamlined Cloning Workflows (NOT for ECM evaluation)
Matthew Wheeler, Kristofer Müssar (Cyagen Biosciences GmbH, Europe)
Close session and concluding remarks

June 9th 2017

Session 2: Insights in Genome Editing Technologies

Chairs: **Francesca Zazzeroni (L'Aquila, Italy) - Massimo Donadelli (Verona, Italy)**

- 9.00 Construction of sgRNA-Cas9 complexes and identification of single-cell mutations to determine editing frequency
Franco Martinez (EuroClone, Italy)
- 9.20 How to improve your CRISPR genome editing experiments
Mirko Vanetti (Integrated DNA Technologies, Italy)
- 9.40 Rapid and tunable method to temporally control gene editing based on conditional Cas9 stabilization
Vincenzo Corbo (Verona, Italy)
- 10.00 CRISPR/Cas9 for the study of the interactions between viral and cellular proteins
Donato Zipeto (Verona, Italy)
- 10.20 Targeted Genome Editing using CRISPR Technology (NOT for ECM evaluation)
Silvia Di Meglio (Merck Sigma-Aldrich srl, Italy)
- 10.35 Revealing genome editing induced metabolomic swithching using Agilent technologies solutions (NOT for ECM evaluation)
Emma Nora Di Capua (Agilent, Italy/Spain)
Close session and concluding remarks
- 10.50 Coffee Break*
- Session 3: CRISPR-Cas9 perspectives in genome editing**
Chairs: **Marcello Maggolini (Cosenza, Italy) - Michele Caraglia (Naples, Italy)**
- 11.10 A non-integrative strategy to streamline the derivation of isogenic iPSC lines through the Cas9/sgRNARibonucleoprotein complex
Sebastiano Trattaro (Milan, Italy)
- 11.30 Epigenome deregulation and mining in leukemias
Lucia Altucci (Naples, Italy)
- 11.50 Genome editing in human repopulating hematopoietic stem cells
Pietro Genovese (Milan, Italy)
- 12.10 Genome editing and generation of physiologically relevant model of leukemogenesis
Giovanni Morrone (Catanzaro, Italy)
- 12.30 High efficiency Genome Editing using EnGenCRISPR/Cas9 Ribonucleoprotein Complexes (NOT for ECM evaluation)
Karl Von Laer (New England Biolabs, Germany)
- 12.45 Efficient delivery of Cas9 and gRNA for in vitro use of CRISPR/Cas9 technology (NOT for ECM evaluation)
Guillaume Freund (Polyplus Transfection, France)
Close session and concluding remarks
- 13.00 Light lunch*
- Session 4: Young investigators meeting and round table on genome editing**
Chairs: **Nicola Amodio (Catanzaro, Italy) - Cirino Botta (Catanzaro, Italy)**
- 14.10 - 14.40 Selected oral presentations
- 14.50 Round table
Award Ceremony

GENERAL INFORMATION

Max Participants: 160

ECM Credits for 100 participants

Who: The meeting is open to: biologist, medical doctor, pharmacist, laboratory technician, biotechnologist, bioinformatics, researcher, PhD, student and Association.

A REGISTRATION QUOTE IS REQUESTED.

Travel and accommodation costs of participants are not included. Travel grants or Poster awards will provided

CREDITI FORMATIVI ECM / CME CREDITS (FOR ITALIAN PARTICIPANTS ONLY)

I crediti formativi ECM sono certificati dal Provider secondo la nuova regolamentazione approvata dalla Commissione Nazionale per la Formazione Continua il 13 gennaio 2010 e s.m.i. L'accreditamento del Congresso viene effettuato per l'intero evento in un'unica soluzione, incluso Pre-meeting. Sono stati assegnati n. 10 (dieci) crediti formativi a Medici specialisti in Anatomia Patologica, Biochimica Clinica, Ematologia, Farmacologia e Tossicologia Clinica, Genetica Medica, Laboratorio di Genetica Medica, Medicina Interna, Microbiologia, Neurologia, Cardiologia, Oncologia,

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Abstract submission by May 22nd

REGISTRATION FEES (VAT included)

AICC Member € 120,00
Non-Member € 170,00 (€ 120,00+50,00 mandatory membership fee)
Student € 50,00 (membership fee)

THE REGISTRATION FEE INCLUDES:

- Conference kit
 - Participation in the Scientific Sessions
 - Attendance Certificate
 - Admission to the Opening Ceremony, coffee break and lunch.
- * Please indicate to the Secretariat any food intolerances.

HOW TO REGISTER

The registration and payment forms are available on line at the website:

www.aicc.website

For general information please see the websites: **www.aicc.website**

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