

# 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 Galletto (Collectis 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 genomic in cancer research  
**Simona Lamba (Turin, Italy)**
- 16.10 Ultra-sensitive Quantification of Genome Editing Events by Droplet Digital PCR (ddPCR) (NOT for ECM evaluation)  
**Letizia Ciccone (Bio-Rad, Italy)**
- 16.25 Coffee Break\*
- 16.45 CRISPR/Cas9 system on zebrafish to generate human disease model  
**Gianluca Deflorian (Milan, Italy)**
- 17.05 The use of CRISPR/Cas9 knock-out technology in non-mammalian animal models  
**Thomas Vaccari (Milan, Italy)**
- 17.25 CRISPR Gene Editing: Resources for High-Throughput Screening and Disease Models  
**Livio Loffarelli (Thermo Fisher Scientific, Italy)**

- 17.45 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 Maggiolini (Cosenza, Italy) - Michele Caraglia (Naples, Italy)**
- 11.10 A non-integrative strategy to streamline the derivation of isogenic iPSC lines through the Cas9/sgRNA ribonucleoprotein 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)  
**Jelena Vjetrovic (Polyplus Transfection, France)**  
**Close session and concluding remarks**
- 13.00 Light lunch\*
- Session 4: Young investigators meeting and round table on genome editing**  
Poster Discussant: **Giuseppe Viglietto (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 be 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,

Patologia Clinica - Laboratorio di Analisi chimico-cliniche, Laureati in Biologia, Biotecnologie, Farmacia, CTF e Tecnici di Laboratorio Biomedico. **Provider ID 2112 - Evento n. 190433.**

Si ricorda che avranno diritto ai crediti ECM solo coloro che saranno presenti almeno all'90% del programma scientifico congressuale accreditato. La rilevazione delle presenze avviene tramite la firma su appositi registri posizionati presso il Registration Desk. L'assenza di una sola delle firme necessarie determinerà l'impossibilità di assegnazione dei crediti. Nel materiale congressuale è incluso anche il modulo di valutazione dell'evento da compilare e consegnare alla fine del Meeting.

**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](http://www.aicc.website)

For general information please see the websites: [www.aicc.website](http://www.aicc.website)

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