



ASSOCIAZIONE  
ITALIANA  
DI COLTURE  
CELLULARI

ITALIAN ASSOCIATION  
OF CELL CULTURES  
(ONLUS-AICC)



*nam et ipsa scientia potestas est*

DEPARTMENT OF BIOTECHNOLOGICAL AND  
APPLIED CLINICAL SCIENCES  
UNIVERSITY OF L'AQUILA

# 29<sup>TH</sup> ANNUAL CONFERENCE OF ITALIAN ASSOCIATION OF CELL CULTURES (ONLUS-AICC)

## CROSSROADS IN CELLULAR AND MOLECULAR BIOTECHNOLOGY

### NOVEL DIAGNOSTIC AND THERAPEUTIC STRATEGIES FOR CANCER, IMMUNOLOGICAL DISORDERS AND RARE DISEASES

L'AQUILA  
23 - 25 NOVEMBER 2016  
AUDITORIUM  
DEPT. OF HUMAN STUDIES  
UNIVERSITY OF L'AQUILA





# AICC SCIENTIFIC BOARD

## **PRESIDENT**

**Katia Scotlandi**, IRCCS Rizzoli Orthopaedic Institute, Bologna

## **VICEPRESIDENT AND TREASURER**

**Michele Caraglia**, Second University of Naples

## **BOARD OF DIRECTORS AND SECRETARY**

**Stefania Meschini**, National Health Institute, Rome

## **BOARD OF DIRECTORS**

**Francesca Zazzeroni**, University of L'Aquila

**Massimo Donadelli**, University of Verona

**Maria Teresa Di Martino**, University of "Magna Grecia", Catanzaro

**Claudia Chiodoni**, National Cancer Institute, Milan

## **PAST PRESIDENT**

**Carlo Leonetti**, Regina Elena National Cancer Institute, Rome



# SCIENTIFIC COMMITTEE

## **SCIENTIFIC COORDINATORS**

**Francesca Zazzeroni**, University of L'Aquila

**Edoardo Alesse**, University of L'Aquila

## **LOCAL SCIENTIFIC COMMITTEE**

**Mauro Di Ianni**, University of L'Aquila

**Andrew Reay Mackay**, University of L'Aquila

**Antonietta R. Farina**, University of L'Aquila

**Mariagrazia Perilli**, University of L'Aquila

**Alessandra Tessitore**, University of L'Aquila



# SECRETARIAT

## **AICC SECRETARIAT**

**Stefania Meschini, Evelin Pellegrini**

Istituto Superiore di Sanità

E-mail: [stefania.meschini@iss.it](mailto:stefania.meschini@iss.it), [evelin.pellegrini@guest.iss.it](mailto:evelin.pellegrini@guest.iss.it)

## **ORGANIZING SECRETARIAT**

**Davide Vecchiotti, Barbara Di Francesco**

University of L'Aquila

Phone: 0862 433538

e-mails: [davide.vecchiotti@univaq.it](mailto:davide.vecchiotti@univaq.it);

[barbara.difrancesco1@graduate.univaq.it](mailto:barbara.difrancesco1@graduate.univaq.it)



# PRESENTATION OF THE CONFERENCE

The 29° Conference of Italian Association of Cell Culture will take place in L'Aquila from 23 to 25 November 2016 at the Auditorium of Department of Human Studies, University of L'Aquila.

The Conference will be focused on the intersection between cellular and molecular biotechnology and bio-medicine, in particular in the fields of cancer, immunological disorders and rare diseases. In the recent past years, some of the key contributions of red biotechnology to the human health regarded both the diagnostic and therapeutic approaches to human diseases. Some relevant examples are monoclonal antibodies, DNA probes, recombinant vaccine, valuable drugs like insulin, gene therapy, next generation sequencing and non coding RNA. The leitmotif of the Conference will be the translation of recent biotechnological achievements into novel strategies to treat human diseases.

The meeting is organized in three days involving six thematic sessions with national and international speakers leaders in their scientific fields, an opening lecture and a poster session. New insights into basic and translational research, as well as in clinical research, will be discussed, in order to provide an opportunity of interactions and collaborations between participants.

During the second day of the meeting, a prize to the memory of Prof. Alberto Gulino, a great man and excellent scientist, former Director of the Department of Experimental Medicine and Dean of the Faculty of Medicine at the University of L'Aquila, will be awarded to the best Junior Researcher with a Ph.D. in the field of Medical Biotechnology or Experimental Medicine. This prize, funded by the Department of Biotechnological and Applied Clinical Sciences of L'Aquila University, is intended to promote and support the research work of a young scientist who has recently completed the Ph.D. course.

We hope the Conference will be of your interest and look forward to meet you in L'Aquila.

Francesca Zazzeroni  
Eduardo Alesse



# SCIENTIFIC PROGRAMME

**23 November 2016**

13:00 REGISTRATION AND POSTER POSITIONING

14:00 **OPENING CERIMONY**  
**GREETINGS FROM THE AUTHORITIES**  
**GREETINGS FROM AICC PRESIDENT**

14:30 **OPENING LECTURE**  
**The p53 Family in Cancer Biology**  
*Gerry Melino (Leicester University, UK and University of Rome Tor Vergata, Rome)*

## **SESSION 1**

**TARGETING MOLECULAR PATHWAYS IN CANCER: TRANSLATING BASIC RESEARCH INTO FUTURE THERAPY**

*Chairpersons: Katia Scotlandi, Massimo Donadelli*

15:15 **Insights into the Oncogenic Activity of TrkAIII and its Potential Therapeutic “Achilles Heel”.**  
*Andrew Reay Mackay (University of L’Aquila)*

15:40 **Targeting Notch Signaling in T-cell Acute Lymphoblastic Leukemia: Mouse Models and More**  
*Isabella Screpanti (University La Sapienza, Rome)*

16:05 **Mutant p53 Surfs into Non-Coding RNAs Network**  
*Giovanni Blandino (Regina Elena National Cancer Institute, Rome)*

16:30 COFFEE BREAK

17:00 **Targeting GLI Factors to Inhibit the Hedgehog-Dependent Tumorigenesis**  
*Lucia Di Marcotullio (University La Sapienza, Rome)*

17:25 **DTP3: First-in-Class GADD45 $\beta$ /MKK7 Inhibitor Selectively Targeting the NF- $\kappa$ B Survival Pathway in Multiple Myeloma**  
*Laura Tornatore (Imperial College London, UK)*

17:50 Selected Talk



# SCIENTIFIC PROGRAMME

**24 November 2016**

**SESSION 2**

**CUTTING EDGE STRATEGIES IN CANCER DIAGNOSTICS**

*Chairpersons: Mauro Di Ianni, Maria Teresa Di Martino*

- 9:00      **New Mini-Invasive Therapies in Interventional Radiology**  
*Carlo Masciocchi (University of L'Aquila)*
- 9:25      **Exploring the Skin at Histologic Resolution: Confocal Microscopy for Pathologist and Clinicians**  
*Elvira Moscarella (Arcispedale S. Maria Nuova-IRCCS, Reggio Emilia)*
- 9:50      **Unravelling Secrets of the Secretome: Approaches to Identifying Secreted Mesothelioma Cancer Proteins**  
*Elia Ranzato (University of Piemonte Orientale)*
- 10:15     COFFEE BREAK
- 10:45     **NGS Applications to Breast and Colorectal Cancer Molecular Genetics**  
*Giuseppe Giannini (University La Sapienza, Rome)*
- 11:10     **Integration of Genomic Technologies as a Successful Diagnostic Approach in Onco-Hematology**  
*Cristina Mecucci (University of Perugia)*
- 11:35     Selected Talk
- 11:55     Sponsors Talk
- 12:30     **“PROF. ALBERTO GULINO” AWARD PRIZE CEREMONY**
- 13:00     LUNCH and POSTER SESSION



# SCIENTIFIC PROGRAMME

## **SESSION 3**

### **NOVEL DIRECTIONS IN CLINICAL ONCOLOGY**

*Chairpersons: Michele Caraglia, Claudia Chiodoni*

- 14:30      **Biological and Clinical Aspects of CAR-T Cells**  
*Attilio Bondanza (San Raffaele, MI)*
- 14:55      **T-regulatory Cells and Stem Cell Transplantation**  
*Mauro Di Ianni (University of L'Aquila)*
- 15:20      **New Evidences in the Pathogenesis and Treatment of Basal Cell Carcinoma**  
*Ketty Peris (Catholic University of the Sacred Heart, Rome)*
- 15:45      **New Checkpoints Inhibitors in the Treatment of Human Cancer**  
*Pierpaolo Correale (University of Siena)*
- 16:10      **Applying the Cancer Stem Cell Paradigm to Cancer Treatment**  
*Pier Adelchi Ruffini (Dompè, Milano)*
- 16:35      COFFEE BREAK
- 17:00      Selected Talk
- 17.40      Meeting AICC Members

## **SOCIAL DINNER**

# SCIENTIFIC PROGRAMME

**25 November 2016**

## **SESSION 4**

### **NOVEL ADVANCES IN CELLULAR AND BIOMOLECULAR RHEUMATOLOGY**

*Chairpersons: Roberto Giacomelli, Edoardo Alesse*

- 9:00      **ANA Specificity in Systemic Sclerosis: Focus on Anti-Centromere Autoantibodies**  
*Federico Perosa (University of Bari)*
- 9:25      **Microbiome in the Pathogenesis of Spondyloarthropathies**  
*Giovanni Triolo (University of Palermo)*
- 9:50      **Systemic Fibrosis as Human Experimental Model of Fibrosis: Role of the Endothelial and Mesenchymal Transition**  
*Roberto Giacomelli (University of L'Aquila)*
- 10:15     Selected Talk
- 10:35     COFFEE BREAK

## **SESSION 5**

### **RARE BONE DISEASES: FROM MOLECULAR CHARACTERIZATION TO THERAPY**

*Chairpersons: Nadia Rucci, Stefania Meschini*

- 11:10     **Revisiting Fibrous Dysplasia of Bone Through Mouse Models**  
*Mara Riminucci (La Sapienza, Roma)*
- 11:35     **Autosomal Dominant Osteopetrosis Type 2: Molecular Features and Experimental Therapy**  
*Anna Maria Teti (University of L'Aquila)*
- 12:00     **Modulation of CD99 in Ewing Sarcoma: therapeutic prospective**  
*Katia Scotlandi (Rizzoli Orthopaedic Institute, Bologna)*
- 12:25     **The Non-Oncologic Bone Diseases, Paget Disease, Fibrous Dysplasia, Hyperparathyroidism: Clinical Approach and Differential Diagnosis**  
*Carmine Zoccali (Regina Elena National Cancer Institute, Rome)*
- 12:50     Selected Talk
- 13:10     **AICC POSTER PRIZE CEREMONY AND CLOSING REMARKS**

# GENERAL INFORMATION

## CONFERENCE VENUE

Auditorium  
Department of Human Studies  
University of L'Aquila  
Viale Nizza 14, 67100 L'Aquila  
Web: [www.univaq.it/section.php?id=1525](http://www.univaq.it/section.php?id=1525)

## LANGUAGE

The official language of the Conference is English.  
Simultaneous translation will not be provided.

## REGISTRATION FEE (VAT INCLUDED)

AICC MEMBER € 200,00  
GISM MEMBER € 200,00  
NON-MEMBER € 250,00 (€ 200,00 + € 50,00 mandatory membership fee)  
Ph.D. € 120,00 (€ 70,00 + € 50,00 mandatory membership fee)  
STUDENT € 50,00  
ONE-DAY FEE (AICC and GISM member) € 70,00  
ONE-DAY FEE (non-member) € 120,00 (€ 70,00 + € 50,00 mandatory membership fee)

The registration fee includes the following:  
Attendance at the 29<sup>o</sup> Annual Conference of Italian Association of Cell Cultures (ONLUS AICC)  
Attendance Certificate  
Conference Kit, Coffee Breaks, Lunches

## SOCIAL EVENT

Thursday, November 24<sup>th</sup> 2016  
Social dinner at "Delfina Restaurant"  
Social dinner contribution fee € 40,00  
Reservation for social dinner will be accepted until 8th November 2016.  
After this date and on site the participants will be subjected to availability.

## HOW TO REGISTER

The registration and payment forms are available on line at the website:  
**[www.onlus-aicc.org](http://www.onlus-aicc.org)**.

## ABSTRACT SUBMISSION

Deadline for abstract submission is **October 30<sup>th</sup>, 2016**. Abstract form is available at the website: **[www.onlus-aicc.org](http://www.onlus-aicc.org)**.

The Scientific Committee will select the abstracts received into accepted as oral presentation or accepted as a poster presentation. E-mail notification of acceptance will be sent by the Organizing Secretariat.

Please note: for each accepted abstract, the registration fee of at least one of the Authors will be required.



# GENERAL INFORMATION

## **“Prof. ALBERTO GULINO” PRIZE**

During the Conference, a prize to the memory of Prof. Alberto Gulino will be awarded to the best Junior Researcher. Announcement and application form are available at the website: [www.univaq.it](http://www.univaq.it); <http://discab.univaq.it>; [www.onlus-aicc.org](http://www.onlus-aicc.org). Deadline for submission is **October 15<sup>th</sup>, 2016**.

## **POSTER AWARD**

During the Conference, AICC will assign 2 “Poster Award” of € 500 each to the first author of the 2 best posters who is under 35 years of age at the time of the Conference. As prescribed by law, a tax deduction as income tax will be applied. The awards will be delivered during the Poster Awards Ceremony directly to the winners (delegation for collection is not allowed – the possible absence will cause disqualification from the contest). If you wish to take part in the contest, please fill in the appropriate box in the abstract form.



# GENERAL INFORMATION

## HOW TO REACH THE CONFERENCE VENUE

L'Aquila is about 100 Km (62 miles) East of Rome and 100 km West of Pescara. The nearest airports are The international Airport L. da Vinci - Fiumicino (FCO) and "GB Pastine – Ciampino Airport (CIA) in Rome, and The Abruzzo International Airport (PSR) in Pescara. L'Aquila can be easily reached by bus or car.

### BY BUS FROM ROME

**From "L. da Vinci" (Fiumicino) Airport and "GB Pastine (Ciampino) Airport:**

**Direct Bus:** A coach bus service connects directly Rome airports (Fiumicino/Ciampino) to L'Aquila. Time table and other information are available at [www.gasparitours.it](http://www.gasparitours.it).

**From "Termini" Railway Station:** The "B" line subway connects Termini Station to Tiburtina Station. Outside the Tiburtina Railway Station there is Tiburtina bus terminal. Coach buses to downtown L'Aquila are provided by the regional transportation agency (ARPA; ticket costs and timetable at [www.arpaonline.it](http://www.arpaonline.it)). The trip takes about 1h 40', stopping in front of Hotel Amiternum and then ending at Bus Terminal-Collemaggio (downtown L'Aquila).

### BY BUS FROM PESCARA

**From The Abruzzo International Airport - Pescara:** catch the local bus 38 (every 10 minutes, from 5:30 to 23:30; the journey takes about 15 minutes) from Pescara Airport Terminal to downtown Pescara (Piazza della Repubblica).

**From "Pescara" Railway Station:** Outside of the railway station of Pescara, In Piazza della Repubblica, there is the bus terminal. The regional transportation agency (ARPA) coaches connect Pescara with L'Aquila (ticket costs and timetable at [www.arpaonline.it](http://www.arpaonline.it)). The trip takes about 1 hour and 50 minutes, ending at Bus Terminal-Collemaggio (downtown L'Aquila).

### BY CAR

**From Rome:** take L'AQUILA-TERAMO A24 Highway. Take exit L'AQUILA OVEST.

**From Adriatic coast:** coming from north along Highway A14 (Direction Bari), exit to TERAMO-GIULIANOVA-MOSCIANO S. ANGELO, take freeway SS80racc (direction Teramo), and then Highway A24 to L'Aquila. Coming from south along Highway A14 (direction Bologna), exit to 'AUTOSTRADA A25 Torano Pescara' to take Highway A25 (direction Rome). Exit at BUSSI-L'AQUILA, then follow the Freeway 'SS17' to L'Aquila.

# GENERAL INFORMATION

## HOTEL ACCOMODATION

### HOTEL FEDERICO II

Via Strinella, 6 - 67100 L'Aquila

T: +39 0862 21191

E: [info@hotelfedericosecondo.it](mailto:info@hotelfedericosecondo.it)

W: [www.hotelfedericosecondo.it](http://www.hotelfedericosecondo.it)

### HOTEL SAN MICHELE

Via dei Giardini, 6

67100 L'Aquila (AQ)

Tel +39 0862.420260

Fax +39 0862.27060

E: [info@stmichelehotel.it](mailto:info@stmichelehotel.it)

W: [www.stmichelehotel.it](http://www.stmichelehotel.it)

### HOTEL CASTELLO

P.zza Battaglione Alpini

67100 L'Aquila

tel. +39 0862 419147

fax +39 0862 419140

E: [info@hotelcastelloaq.com](mailto:info@hotelcastelloaq.com)

W: [www.hotelcastelloaq.com](http://www.hotelcastelloaq.com)

