



35th
AICC
INTERNATIONAL
MEETING

TRANSLATIONAL AND PRECISION MEDICINE:

FROM PATIENT TO CELL AND BACK



UNIVERSITY
OF L'AQUILA



4-6
DECEMBER
2023



AULA MAGNA "ALESSANDRO CLEMENTI" - "ERNESTO PONTIERI" BUILDING
VIALE NIZZA 14, L'AQUILA



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AND **PRECISION MEDICINE:**
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Technological advances in dissecting complex disease landscapes have catapulted scientists into the precision medicine era. The lesson of precision medicine might be that treatment should be personalized, as each patient features a unique disease's molecular and immune landscape.

High-throughput methods in genomics, transcriptomics, metabolomics and proteomics have significantly improved illness treatment and prevention, and precision medicine is nowadays revolutionizing the way drugs are developed, benefiting patients, the pharmaceutical industry, and the whole society.

In this meeting, internationally recognized speakers will discuss the state of art on prognostic, predictive, pharmacogenomic, or pharmacodynamic biomarkers as well as therapeutic targets in terms of precision medicine approaches. The scientific meeting will be accompanied by an industry and technical exhibition presenting the latest innovations in the field.

We believe that this program will attract the interest of both basic and translational researchers, as well as clinicians, offering the opportunity to exchange ideas in a friendly and stimulating environment. AICC would strive to offer opportunities to young scientists to be seen and heard by dedicating slots for oral communications and posters. The best works presented by young scientists will be awarded by special prizes.

Looking forward for meeting you,

Prof. Francesca Zazzeroni
*AICC Vice-President
Scientific Coordinator*

Prof. Daria Capece
*AICC CTS Member
Scientific Coordinator*

Monday, 4th December**12:30-14:00 Registration****14:00-14:30 Opening and Greetings****OPENING LECTURE****Chairs: Michele Caraglia, Caterina Mancarella**

14:30-15:15 Next-generation multi-omics classification and therapeutic stratification of tumor subtypes
Antonio IAVARONE
Sylvester Comprehensive Cancer Center, University of Miami, Miller School of Medicine

Session I

*Novel Models to Profile Cancers:
 from Diagnosis to Precision Medicine*

Chairs: Enrico De Smaele, Pasquale Zizza

15:15-15:45 Organoids as a 3D surrogate to model and tackle breast cancer metastasis
Giovanni BLANDINO
Regina Elena National Institute for Cancer Treatment and Research, Rome

15:45-16:15 Drivers and vulnerabilities in ovarian cancer stemness unveiled by new patient-derived models
Ugo CAVALLARO
European Institute of Oncology

16:15-16:45 Coffee Break, Poster Viewing and Networking

16:45-16:55 Agilent Seahorse XF Live-Cell Metabolism Solutions for Cancer Research
Emma DI CAPUA
Agilent

16:55-17:05 Single Cell and Spatial Transcriptomics reveal metabolic heterogeneity in pancreatic cancer
Ugo CHIANESE
University of Campania "Luigi Vanvitelli", Naples

17:05-17:15 Long-term patient-derived NSCLC organoids are predictive of chemo adjuvant and target therapy efficacy
Valentina MONICA
University of Torino

17:15-17:25 Exploring novel therapeutical vulnerabilities in gastric cancer preclinical models
Giulia SCHIAVONI
Regina Elena National Institute for Cancer Treatment and Research, Rome

17:25-17:35 Q&A**KEYNOTE LECTURE****Chairs: Massimo Donadelli, Joanna Kopecka**

17:35-18:20 Partners in crime with p63
Gerry MELINO
"Tor Vergata" University of Rome

18:20-18:30 Closing Remarks

Tuesday, 5th December

Session II

*From Patient to Cell (I):
Emerging Targets in Cancer and beyond*

Chairs: Chiara Riganti, Nicla Lorito

- 09:00-09:30** **Targeting epigenome in human diseases**
Lucia ALTUCCI
University of Campania "L. Vanvitelli", Naples
- 09:30-10:00** **Cancer stem cells: therapeutic implications in precision medicine**
Giorgio STASSI
University of Palermo
- 10:00-10:10** Pin1-Notch3 axis: a new "targetable" candidate of Platinum resistance in High-Grade Serous Ovarian Cancer?
Maria Valeria GIULI
La Sapienza University of Rome
- 10:10-10:20** C/EBP- β splicing triggers chemotherapy resistance in non-small cell lung cancer
Simona FONTANA
University of Torino
- 10:20-10:30** Exploring the therapeutic role of m⁶A epitranscriptome in AML
Nunzio DEL GAUDIO
University of Campania "L. Vanvitelli", Naples
- 10:30-10:40** Deeper characterization of the role of SEMA5A in Melanoma Progression
Matteo BRIGNONE
Regina Elena National Institute for Cancer Treatment and Research, Rome
- 10:40-10:50** **Q&A**
- 10:50-11:20** **Coffee Break, Poster Viewing and Networking**

*From Patient to Cell (II):
Emerging Targets in Cancer and beyond*

Chairs: Katia Scotlandi, Silvia Zappavigna

- 11:20-11:50** **Deregulation of Hedgehog signaling in cancer: a multi-targeting approach for innovative therapies**
Lucia DI MARCOTULLIO
La Sapienza University of Rome
- 11:50-12:20** **Small interfering RNAs for the cure of genetic diseases**
Anna Maria TETI
University of L'Aquila
- 12:20-12:30** Video killed the Imaging Star
Francesco GIRARDI
Media System
- 12:30-12:40** Clinostar 3D cell model technology: for generation and long-term culture of functional spheroids/organoids
Simona MAIDA
Cytosens
- 12:40-12:50** SPARC and PKC α signalling activation upon CI-impairment in cancer: a potential synthetic lethality approach
Manuela SOLLAZZO
University of Bologna
- 12:50-13:00** Proteomics and bioinformatic analysis to reveal the role of miR-423-5p in prostate cancer
Amalia LUCE
University of Campania "L. Vanvitelli", Naples
- 13:00-13:10** Characterization of the mechanisms involved in modulation of the KCASH oncosuppressors
Annamaria DI FIORE
La Sapienza University of Rome
- 13:10-13:20** Emerging anticancer strategies originating from buffalo milk metabolomics
Elisa MARTINO
University of Campania "L. Vanvitelli", Naples
- 13:20-13:30** **Q&A**
- 13:30-15:00** **Lunch, Poster Viewing and Networking**

Session III*Shaping Immune Microenvironment for Treating Diseases*Chairs: **Andrea Morandi, Simone Di Franco**

- 15:00-15:30** **Personalised targeting of tumour microenvironment using novel combination immunotherapies in pancreatic cancer**
Anguraj SADANANDAM
The Institute of Cancer Research, London
- 15:30-16:00** **Deconstructing pancreatic ductal adenocarcinomas**
Giulia BIFFI
University of Cambridge, CRUK Cambridge Institute
- 16:00-16:30** **Transcriptional regulation of innate lymphocytes in health and disease**
Giuseppe SCIUMÈ
La Sapienza University of Rome
- 16:30-16:40** **EV Therapeutics and EV Diagnostics: a qEV Pure Path approach**
Stephane MAZLAN
Izon Science
- 16:40-16:50** **Label free live cell imaging of cell monolayers and cellular constructs**
Aubrey LAMBERT
Tomocube
- 16:50-17:20** **Coffee Break, Poster Viewing and Networking**
- 17:20-17:30** **Tracing the signal mediating the cross-talk mechanisms between ovarian cancer cells and macrophages**
Mariagrazia D'AGOSTINO
University of Bari
- 17:30-17:40** **Circulating CD137+ T cell subsets and MDCs as Immune Biomarkers for Response to anti-PD1 Immunotherapy in NSCLC Patients**
Angela ASQUINO
La Sapienza University of Rome
- 17:40-17:50** **Dissecting Immunosuppression in glioblastoma: the MGL C-type lectin and its ligands in the tumor microenvironment**
Aurelia RUGHETTI
La Sapienza University of Rome

- 17:50-18:00** **New insights and therapeutic approach into the Glaucoma pathogenesis**
Davide VECCHIOTTI
University of L'Aquila
- 18:00-18:10** **Q&A**
- 18:10-18:30** **Closing Remarks & AICC General Assembly**

Wednesday, 6th December

Session IV

Back to Patient:

Translating Cell Insights into Drug Discovery Pipeline

Chairs: Maria Teresa Di Martino, Veronica Zelli

09:00-09:30 Exploiting PROTAC technology as an innovative tool for the treatment of lethal prostate cancer

Gabriele CRUCIANI

University of Perugia

09:30-10:00 Improving immunotherapy response: CXCR1/2 inhibitors as promising option in combination therapy for pancreatic cancer treatment

Marcello ALLEGRETTI

Dompé farmaceutici S.p.A

10:00-10:10 LNA-i-miR-221 activity in Colorectal Cancer is mediated by TP53 pathway activation: A reverse translational investigation

Asad ALI

"Magna Graecia" University of Catanzaro

10:10-10:20 Inhibition of C5aR1: a promising approach to treat chemotherapy-induced peripheral neuropathy

Vanessa CASTELLI

University of L'Aquila

10:20-10:30 ER Stress Response and Induction of Apoptosis in Malignant Pleural Mesothelioma

Elia RANZATO

University of Piemonte Orientale, Alessandria

10:30-10:40 Q&A

CLOSING LECTURE

Chairs: Francesca Zazzeroni, Daria Capece, Daniela Verzella

10:40-11:25 Cancer-selective targeting of the NF-κB signalling pathway

Guido FRANZOSO

Imperial College London

11:25-12:00 Awards Ceremony and Closing Remarks

12:00-12:45 Coffee & Light Brunch

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University of Miami, Miller School of Medicine

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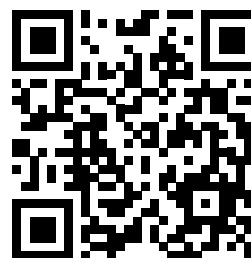
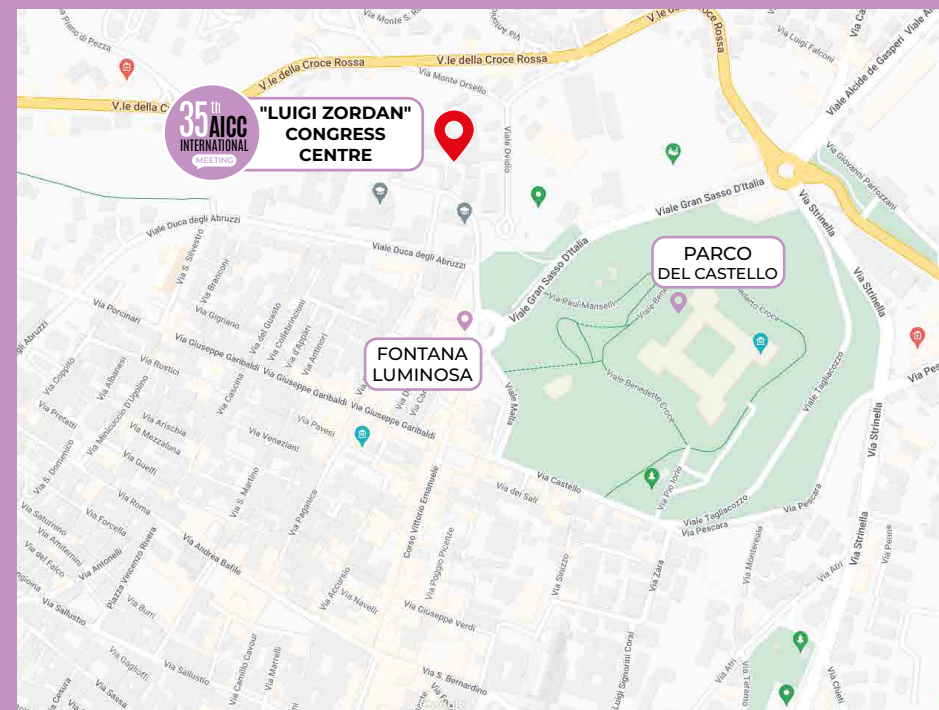
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Giorgio STASSI
University of Palermo

Anna Maria TETI
University of L'Aquila

CONFERENCE VENUE

35th AICC
INTERNATIONAL MEETING



“Luigi Zordan” Congress Centre
Address: c/o Monastero San Basilio, Piazza
San Basilio 2, L'Aquila (IT)

<https://goo.gl/maps/JS McMZ65JXQ4K2COA>

REGISTRATION

Opening: 01/08/2023

Deadline: 24/11/2023

To participate to the meeting is required a valid AICC membership.



For **membership request form** scan the Qr code or use the following link:
<https://www.aicc.website/cosaela-icc/sottoscrizioni/>

Membership fee is 50 €.

Reason for payment (causale): please, indicate *"your surname, name, 2023 AICC Membership"*



To **register to the meeting**, please the scan QR code or use the following link:

<https://docs.google.com/forms/d/e/1FAIpQLSeMnrZNCLlwzzbSYKqEn-JzDFMUXShcnV-G7La1c4t0zo9cjow/viewform?usp=sharing>

Registration includes:

- Admission to all meeting sessions
- Abstract book file (PDF)
- Attendance certificate
- Conference kit
- Coffee break, light lunch

Registration without payment is not considered valid.

PAYMENT

Registration fees Meeting fee (VAT included)

	FEE
Meeting Registration	€ 200,00
PhD students, undergraduate students*	€ 100,00
PhD students Univaq	Free admittance

*Please provide a certificate of your status of student/intern to aicc.meeting@gmail.com

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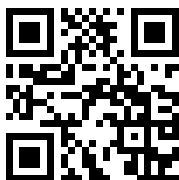
ABSTRACT SUBMISSION

Opening for abstract submission: 01/08/2023

Deadline for abstract submission: 14/11/2023

The submission of abstracts for oral presentations or posters is encouraged, particularly from early-career researchers.

Registration to the meeting is required to submit an abstract.



The **abstract form** is available on the AICC website:
<https://www.aicc.website/>

To submit your abstract, please send the filled abstract form to aicc.meeting@gmail.com

Among the submitted abstracts, the AICC Scientific Board will select oral communications (10 minutes). Authors of abstracts selected for an oral presentation will be informed via e-mail.

AWARDS

AICC will award best oral presentation(s) by authors younger than 35 years of age.

AICC will also award best poster/flash presentation(s) by authors younger than 35 years of age.

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