

38th AICC International Meeting

***PRECISION MEDICINE IN THE BIG DATA AGE:
from basic science to clinically relevant
insights through AI***



4-6th November 2026
University of Calabria
"B. Andreatta" Conference Center
Rende - Cosenza

CONFERENCE OVERVIEW

The rapid evolution of precision medicine increasingly relies on the effective interpretation of big data and the development of fast, accurate diagnostic methods. Artificial intelligence (AI) is central to this transformation, enhancing the precision, personalization, and efficiency of healthcare interventions while enabling advanced bioinformatic analyses. The 38th AICC International Conference will explore key applications of AI across the precision medicine landscape. In drug discovery and development, computational tools are accelerating target identification, molecular design, and candidate prioritization, while multi-omics approaches uncover drug mechanisms, metabolic vulnerabilities, and treatment-induced cellular reprogramming. The conference will also highlight AI-driven predictive and preventive medicine, integrating clinical, genetic, metabolomic, and environmental data to forecast disease risk and guide personalized interventions. Novel nanomaterial-based platforms for point-of-care detection of metabolic and molecular markers will also be presented. Advances in radiomics, imaging, surgery, and biomarker discovery through multi-omics integration will be discussed, emphasizing their role in improving disease characterization, prognosis, and precision-guided interventions. In immuno-oncology, AI and metabolomics are providing new insights into metabolic interactions within the tumor microenvironment, improving patient stratification and therapeutic outcomes. Finally, the convergence of big data, AI, and multi-omics will be explored as a driver of next-generation predictive models supporting informed, patient-centered care. Together, these discussions will highlight how AI is shaping the future of precision medicine, bringing healthcare closer to a model that is accurate, proactive, and deeply individualized.

We look forward to welcoming you to this inspiring and insightful event!

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Pierangelo Veltri, University of Calabria (UniCal), Rende, Italy

Antonello Vidiri, IRCSS Regina Elena, Rome, Italy

Registration

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

Membership request form is available at the following link:

<https://www.aicc.website/cosaelaicc/sottoscrizioni/>

Membership fee is 50 €.

Reason for payment (causale): please, indicate your surname, name, 2026 AICC Membership”.

Registration fees 	Meeting fee (VAT included)
Early Meeting Registration (before 11/08/2026)	200€
Late Meeting Registration	250€
Early PhD students, undergraduate students (before 01/08/2025)	100€
Late PhD students, undergraduate students	150€

Registration fees include:

- Admission to all meeting sessions and exhibition areas
- Abstract book (PDF)
- Attendance certificate
- Conference kit
- Welcome Cocktail, Coffee break, light lunch

BANK TRANSFER TO:

Associazione Italiana di Colture Cellulari

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BPER BANCA S.P.A.L'Aquila, agenzia 10, Via Campo di Pile, 67100 L'Aquila (AQ)

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Copy of the receipt must be sent to: aicc.meeting@gmail.com

Social Event: Dinner & Party

A social dinner and party will take place on 5 November. The exact venue will be announced soon.

Please note that participation in this social event is not included in the conference registration fee and requires an additional payment. Payment must be made in cash at the conference registration desk on the first day of the meeting.

General information

 **When:** November 4th - 6th, 2026

 **Where:** University of Calabria - "B. Andreatta" Conference Center - Via Pietro Bucci, 87036 Arcavacata - Rende – Cosenza

 **Language:** meeting official language is English.

 **Slides:** slides must have written in English and should be handed in to the presentation centre one hour before the start of each session.

ABSTRACT SUBMISSION

Opening for abstract submission: 01/07/2026

Deadline for abstract submission: 30/09/2026

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

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 standard oral and flash communications. 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 award best poster(s) by authors younger than 35 years of age.

Journal of Experimental and Clinical Cancer Research (JECCR) will also award for best poster.

How to reach the University of Calabria

By Car

Take the A2 motorway (Salerno-Reggio Calabria).
Take the Rende - Cosenza Nord exit.
Turn onto Strada Statale 18 (SS18) at the junction.
Follow the signs for University of Calabria.
The main campus entrance is just a short distance away.

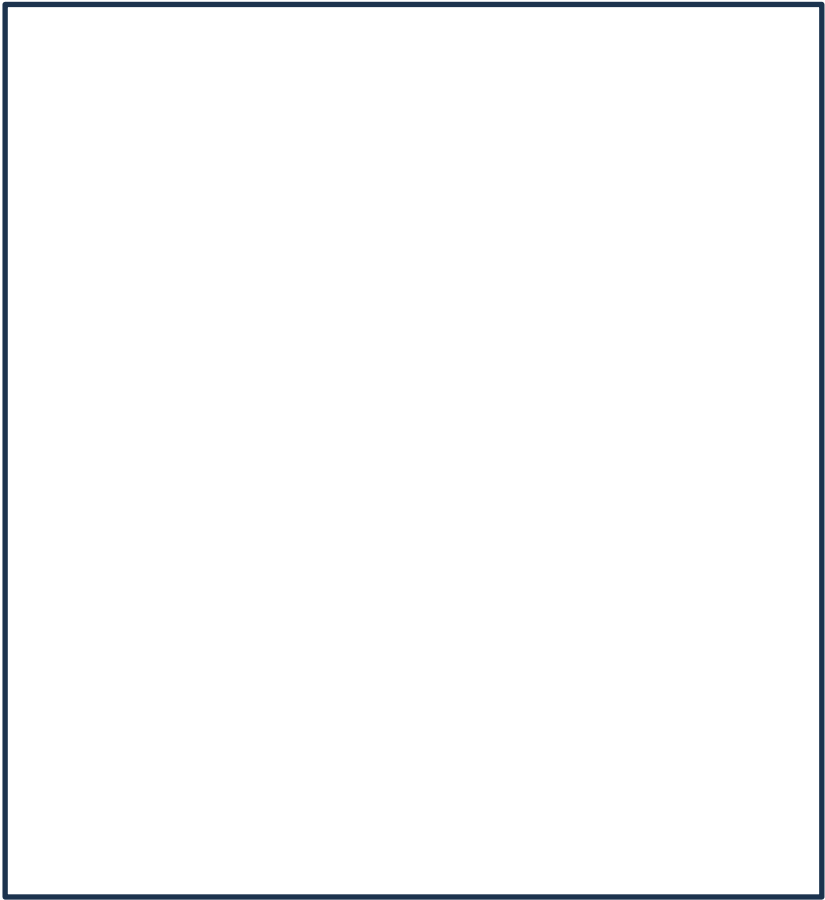
By Train

Arrive at Paola Station.
Take a connecting train to Castiglione Cosentino Station.
This is the nearest station to the campus, situated about 2 km from the university.
Local bus transport is available, and you can check the timetable via this link:
<http://www.amacospa.it/amaco/wp-content/uploads/2025/10/Libretto-Orari.pdf>

By Flight

Use Lamezia Terme Airport (SUF) is the primary arrival point, located approximately 80 km from the university campus.
Ferrovie delle Calabria provides direct bus connections from the airport to both Cosenza Autostazione and the Rende University Campus; timetables can be checked via this link:
<https://web.ferroviedellacalabria.it/file/orari/sacal-cosenza.pdf>
Car rental options and taxi services are readily available at the airport terminal

WITH THE UNRESTRICTED GRANTS OF:



Wednesday, 4th November

12.00 – 14.00 **Registration**

14.00 – 14.15 **Opening and Greetings:**
Rector of University of Calabria (UniCal)
Marcello Maggiolini
Maria Teresa Di Martino
Michele Caraglia

14.30 – 15.15 **OPENING LECTURE**
**Real-time multiplexed clinical diagnostics with ultrasensitive
nanophotonics biosensors**
Laura Letchuga, ICN2, Barcellona

SESSION I: Innovative Devices for Precision Medicine

Chairs: CD or CTS members

15.15 – 15.35 **Small sensors, Early Cancer Detection: From diagnosis to
Screening**
Luca De Stefano, Unit of Naples-National Research Council, Naples, Italy

15.35 – 15.55 **Exploiting point-of-care devices to boost diagnosis,
treatment and follow-up in cancer**
Stefano Cinti, University of Naples Federico II, Naples, Italy

15.55 – 16.15 **Patient-derived organoids for precision oncology**
Federica Papaccio, University of Salerno, Salerno, Italy

16.15 – 16.35 **Metabolic plasticity and intercellular communication in tumour
microenvironment**
Vincenzo Desiderio, University of Campania L. Vanvitelli, Naples, Italy

16.35 – 16.45 **Selected Oral #1**

16.45 – 16.55 **Selected Oral #2**

16.55 – 17.10 **Minibrains and Organoids: Beyond Conventional Cell Culture**
Miguel Mantilla, Head of Business Development for the EMEA – ABM

17.10 – 17.40 **Elevator pitch presentations (8 x 3 min) #1**

17.40 – 19.30 **Welcome cocktail& Poster Session**

Thursday, 5th November

SESSION II: AI-driven multiomics: from metabolomics to radiomics

Chairs: CD or CTS members

09.00 – 09.20 Application of AI to clinical practice in pancreatic cancer and future directions

Antonio Pea, *University of Verona, Verona, Italy*

09.20 – 09.50 From Disease Models to Tumor Biomarker Prediction in Tissue: MALDI Imaging–Driven Spatial Omics in Translational Oncology

Stefan Schmidt, *University of Mannheim, Mannheim, Germany*

09.50 – 10.10 Synergy of Radiomics and Machine Learning: from non-invasive diagnosis to predicting treatment response

Antonello Vidiri, *IRCSS Regina Elena, Rome, Italy*

10.10 – 10.25 Company talk #3

10.25 – 10.35 Selected Oral #3

10.35 – 11.05 Coffee Break & Poster Session

SESSION III: Accelerating Innovation in Precision Medicine

Chairs: CD or CTS members

11.05 – 11.35 Self-supervised learning identifies clinically important histomorphological features in Pancreatic Ductal Adenocarcinoma

David Chang, *University of Glasgow, Glasgow, UK*

11.35 – 12.05 Spatial Transcriptomic characterisation of Inflammatory bowel disease

Craig Anthony Glastonbury, *University of Oxford, Oxford, UK*

12.05 – 12.35 Epigenetic control of Genomic Integrity: BAP1 in Gene–Environment Interplay

Ivano Amelio, *University of Konstanz, Konstanz, Germany*

12.35 – 12.45 Selected Oral #4

12.45 – 12.55 Selected Oral #5

12.55 – 13.05 Selected Oral #6

13.05 – 14.30 Light Lunch & Poster Session

Thursday, 5th November

SESSION IV: Biomarkers and AI: Driving the Future of Precision Medicine

Chairs: CD or CTS member

**14.30 – 14.50 Bridging Morphological Diagnosis and Treatment Response
Prediction in Oncology**

Maria Raffaella Ambrosio, *University of Calabria (UniCal), Rende,
Cosenza, Italy*

**14.50 – 15.10 non-coding RNAs in oncology: a translational perspective in the
era of AI**

Pierosandro Tagliaferri, *Magna Graecia University of Catanzaro,
Catanzaro, Italy*

**15.10 – 15.30 Predictive Analytics and AI in robotic surgery: new frontiers and
challenges**

Franca Melfi, *University of Calabria (UniCal), Rende, Italy*

15.30 – 15.45 Company talk #3

15.45– 15.55 Selected Oral #7

15.55 – 16.25 Coffee Break & Poster Session

SESSION V: The Power of AI in Immuno-Oncology: Opportunities and Challenges

Chairs: CD or CTS members

16.25 – 16.55 Mechanisms of immunogenic cell death

Jonathan Pol, *INSERM, Centre de Recherche des Cordeliers, Paris,
France*

**16.55 – 17.15 Targeting of chemotactic receptors in the context of lung
immunotherapy**

Silvano Sozzani, *Sapienza University of Rome, Rome, Italy*

**17.15 – 17.35 Correlation among (Epi)genomic profiling and clinical outcome in
cancer patients treated with immunotherapy**

Giuseppe Palmieri, *University of Sassari and IRGB, CNR, Sassari, Italy*

17.35 – 17.45 Selected Oral #8

**17.45 – 19.30 AICC assembly
20.00 Social Event**

Wednesday, 6th November

SESSION IV: Biomarkers and AI: Driving the Future of Precision Medicine

Chairs: CD or CTS members

09.20 – 09.40 Data analysis and AI techniques and models in Medicine

Domenico Talia, *University of Calabria (UniCal), Rende, Italy*

09.40 – 10.00 Foundation models in medicine: how to integrate big data and AI for clinical insights

Alberto Paderno, *Humanitas University, Milan, Italy*

10.10 – 10.30 AI-driven biomedical data manipulation: uncovering hidden secrets

Pierangelo Veltri, *University of Calabria (UniCal), Rende, Italy*

10.30 – 10.40 Selected Oral #9

10.40 – 10.50 Selected Oral #10

10.50 – 11.20 Coffee Break

11.20 – 11.50 Elevator pitch presentations (8 x 3 min) #2

CLOSING SESSION

Chairs: CD or CTS members

11.50 – 12.35 CLOSING LECTURE

Longitudinal genomic prediction of chronic metabolic diseases

Nicole Soranzo, *The Wellcome Sanger Institute, Cambridge, UK*

11.50 – 13.00 Awards Ceremony and Closing Remarks