

**3 Settembre, 2026**

**8:30-9:00 Registrazione dei partecipanti**

**9:00-9.20 Saluti di benvenuto**

**Alessandro Cama e Paola Lanuti**, Delegati dell'Università "G. d'Annunzio" Chieti–Pescara nel CTS della Rete NICo

**Liborio Stuppia**, Magnifico Rettore dell'Università "G. d'Annunzio" Chieti – Pescara

**Vincenzo De Laurenzi**, Direttore del CAST - Center for Advanced Studies and Technology (Università "G. d'Annunzio" Chieti – Pescara)

**Valentina Adami**, Network Italiano delle Core Facilities NICo (Università di Trento)

9:20-10:00 LETTURA PLENARIA - *Managing Complexity in an Advanced Cytometry Platform. From Scientific Support to Technological Innovation* - **Óscar Fornas** (Centre for Genomic Regulation and Pompeu Fabra University, Barcelona, Spain)

**10:00-11:30 Sessione 1: From Core Facilities to Therapy: Advancing Extracellular Vesicles Research** (Moderatori: Paola Lanuti, Davide Brocco, Rebecca Piccarducci)

10:00- 10:15 *EVIta society: Fostering Collaboration, Education, and Innovation in Extracellular Vesicle Research* - **Ilaria Giusti** (University of l'Aquila)

10:15-10:30 *Cell factories for scalable extracellular vesicle production in therapeutic applications* – **Mauro Di Ianni** ("G. d'Annunzio" University of Chieti – Pescara)

10:30-10:45 *Extracellular vesicles derived from B7-H3 CAR-T cells: a promising strategy for Pancreatic cancer treatment* - **Anna Piro** ("G. d'Annunzio" University of Chieti – Pescara)

10:45-11:00 *Biobanking Biofluids for EV Research: Towards Fitness for Purpose* - **Paola Gasperini** (University of Trento)

11:00-11:15 *Extracellular vesicle flow cytometry: calibration, assay design, and the dilution paradox* - **Joyce Rops** (Amsterdam University Medical Center)

11:15-11:30 *Proceedings in EVs and nanoparticle research: bridging Isolation and Quantification methodologies with functional and super-resolved single-particle interactions* - **Simone Vumbaca** (Sponsored by Crisel Instrument)

11:30-12:00 **Pausa Caffè** (Sponsored by Scuola di Specializzazione in Patologia Clinica e Biochimica Clinica, "G. d'Annunzio" University of Chieti – Pescara) **and Sponsor Exhibition**

**12:00-13:15 Sessione 2: Integrating Omics Data and Molecular Technologies to Empower Precision Medicine** (Moderatori: Maria Foti, Pasquale De Luca)

12:00-12:15 *Multi OMICS investigations: pitfalls and opportunities for clinical research facilities* - **Andrea Urbani** (Catholic University of the Sacred Heart)

12:15-12:30 *Multimodal data analysis integration: from environment to health* - **Piero Chiacchiaretta** ("G. d'Annunzio" University of Chieti – Pescara)

12:30-12:45 *Integrated Proteomic and Metabolomic Analysis of Dried Blood Spots in inherited rare Diseases* - **Ilaria Cicalini** ("G. d'Annunzio" University of Chieti – Pescara)

12:45-13:00 *Three Visions, One Cell: Challenges and Successes of an Integrated FACS-HTS-NGS Facility Mode* - **Veronica De Sanctis/Alessandro Mattè** (University of Trento)

13:00-13:15 *Droplet Digital PCR: Accuracy, Sensitivity, and Absolute Quantification to meet the most complex analytical needs across various application fields* - **Eugenia Pisano** (Sponsored by BIORAD)

**13:15-14:30 Pranzo/ Sessione Poster**

14:30- 15:15 **Sessione 3: Spectral and Imaging Technologies Driving Next-Generation Core Facilities** (Moderatori: Samantha Solito, Óscar Fornas)

14:30-14:45 *Meeting Research Needs: Imaging and Spectral Flow Cytometry in Core Facilities* - **Silvia Bombelli** (Human Technopole Foundation) (Sponsored by Aurogene/Cytex)

14:45-15:00 *From blood to tears: high-dimensional immune profiling with CytoFLEX mosaic* - **Nicola Tumino** (IRCCS Bambino Gesù Children's Hospital) (Sponsored by Beckman Coulter)

15:00-15:15 *Advancing Flow Cytometry Through Integrated Imaging: From Technology to Real World Applications* - **Benoit Vincart/Francesca D'Ascanio** (European Scientific and Training Support, Waters Biosciences, EMEA, Belgium) / ("G. d'Annunzio" University of Chieti – Pescara) (Sponsored by BD)

**15:15-16:15 Pausa caffè ed esibizione sponsor con William Telford (National Institutes of Health, NIH)**

**16:15- 17:15 Sessione 4: Advanced Technologies Empowering Core Facilities** (Moderatori: Simone Capaccioli, Piero Chiacchiaretta, Manuela Ferracin)

16:15-16:30 *Next-Generation Metabolic Profiling: Dissecting Mitochondrial Activity Through Integrated Functional Platforms* – **Alessio Menga** (University of Eastern Piedmont)

16:30-16:45 *AI-driven 3D X-ray Microscopy for Multidisciplinary Research* - **Angelica Accorinti** (Polytechnic University of Turin) (Sponsored by ZEISS)

16:45-17:00 *Latest news from the volume EM world: a new era in the Life Science* - **Paolo Ferraina** (Sponsored by JEOL)

17:00-17:15 *Data, compute, trust: a new infrastructure model for core facilities* - **Stefano Diciotti** (University of Bologna)

**17:30-18:30 Tavola Rotonda: advancing flow cytometry analysis of extracellular vesicles - challenges and perspectives**

(Óscar Fornas, Joshua Welsh, Daniele Manganaro, Benoît Vincart, Florian Kern, Paola Lanuti, Davide Brocco, Isabella Pesce)

17:30-18:30 Poster session - Prize Prof. Agostino Consoli

**18:45 Transfer for Chiusa Grande**

## **4 Settembre, 2026**

9:00-9:20 Cerimonia di premiazione per i 3 migliori poster - **Premio Prof. Agostino Consoli**

Breve presentazione dei poster selezionati

*Premi offerti da Casale Paradiso*

9:20-10:30 *Le Core Facilities e la qualità: la collaborazione con BBMRI.it e i test interlaboratorio HARMONICo* – Chair: Valentina Adami (Università di Trento)

9:30-9:45 NGS – Trascrittomica, **Riccardo Scandino** (Università di Trento)

9:45-10:00 MS – Proteomica, **Piero del Boccio** (Università degli Studi G. d'Annunzio, Chieti-Pescara)

10:00-10:15 Microscopia a Fluorescenza, **Amanda Oldani** (Università di Pavia)

10:15-10:30 Citometria a Flusso – EVs, **Isabella Pesce** (Università di Trento)

10:30-10:45 Data Management – **Michele Alderighi** (Università di Pisa)

**Pausa caffè 10:45 - 11:00**

11:00-11:20 Il posizionamento della rete NICo nel contesto nazionale - **Samantha Solito** (Università di Pavia)

11:20-13:15 Tavola rotonda “Il ruolo delle Core Facilities nella ricerca nazionale: valorizzazione, sostenibilità e riconoscimento del personale”

(Moderatori: Gerardo D’Errico, Veronica De Sanctis, Simone Capaccioli)

Intervengono:

- Delegato CRUI per la Ricerca, Magnifico Rettore dell’Università “G. d’Annunzio”, Prof. Liborio Stuppia
- Delegato CRUI per la Ricerca, Magnifico Rettore dell’Università del Piemonte Orientale, Prof. Menico Rizzi
- Coordinatore delle Piattaforme Nazionali di Human Technopole, Prof. Eugenio Fava
- Direttrice BBMRI.it, Università Milano Bicocca, Prof.ssa Marialuisa Lavitrano
- Dirigente Ufficio III, Direzione Generale MUR, Dott. Michele Mazzola
- Presidente dell’ARAN, Dott. Antonio Naddeo
- Direttrice della biobanca UdA-BIOBANK, Prof.ssa Assunta Pandolfi

**13:15-14:30 Pranzo**

14:30-16:00 Comitato Tecnico Scientifico (CTS) NICo