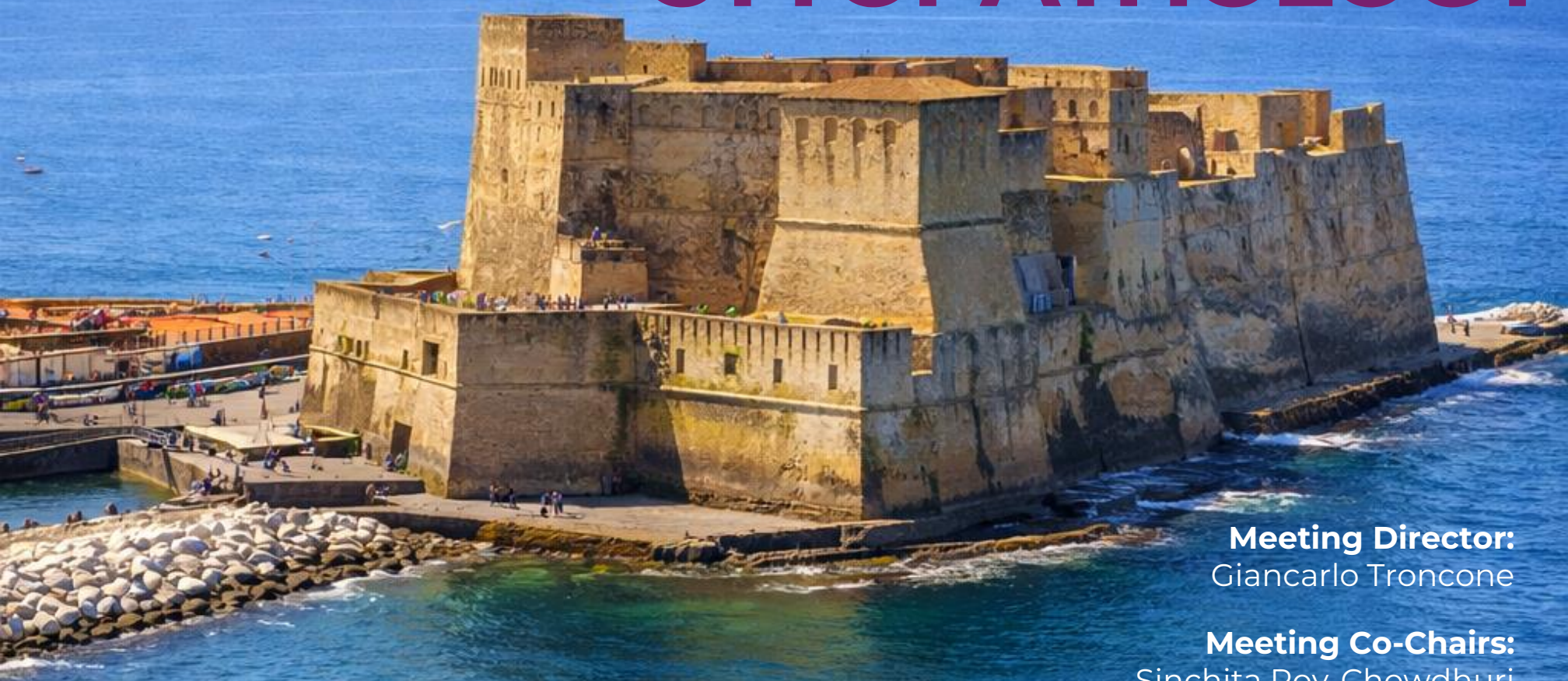
9th 10th December 2026

NAPLES - ITALY

XV MOLECULAR CYTOPATHOLOGY



Meeting Director:
Giancarlo Troncone

Meeting Co-Chairs:
Sinchita Roy-Chowdhuri
Maria Dolores Lozano

Meeting Secretariat:
Mariantonia Nacchio

Meeting Organizer:
Concerto SRL

under the patronage of (on request):

REGIONE CAMPANIA

Università degli Studi di Napoli Federico II

ASC American Society of Cytopathology — Saving Lives One Cell at a Time℠

The International Academy of Cytology IAC 1957

Avalado por: SEAP-IAP [Sociedad Española de Anatomía Patológica] [International Academy of Pathology]

Congress Center "Hotel Royal Continental"
Via Partenope 38/44 – Napoli, ITALIA

Molecular CYTOPATHOLOGY

RAZIONALE

The 15th edition of the Molecular Cytopathology Meeting will highlight the evolving role of cytopathologists in managing small tissue samples, at the crossroads of morphology and precision oncology.

As cytology and small biopsies increasingly converge in both workflow and diagnostic relevance, the meeting will explore new opportunities for integration in molecular testing, reporting systems, and daily practice.

Through multidisciplinary, organ-based sessions, and with the participation of leading national and international experts, the program will address current challenges as well as future perspectives in small sample diagnostics, with the goal of redefining the role of cytopathology within modern oncologic pathways

FACULTY

Derek B. Allison	Kentucky (US)
Giovanni Antonelli	Napoli
Zubair W. Baloch	Philadelphia (US)
Livia Barba	Napoli
Massimo C.P. Barberis	Milano
Claudio Bellevicine	Napoli
Sule Canberk	Porto (Portugal)
Maria Grazia Chiofalo	Napoli
Yosep Chong	Seul (Korea)
Anna Crescenzi	Roma
Elvio D'Addato	Salerno
Giovanni De Chiara	Avellino
Guido Fadda	Roma
Gerardo Ferrara	Napoli
Giacomo Gazzano	Milano
Diego Gerbasio	Napoli
Ivana Kholova	Tampere (Finland)
Vincenzo L'Imperio	Milano
Maria D. Lozano	Pamplona (Spain)
Cristina Luongo	Napoli
Umberto Malapelle	Napoli
Stefania Masone	Napoli
Ritu Nayar	Chicago (US)
Vincenzo Novizio	Napoli
N. Paul Ohori	Pittsburgh (US)
Francesco Pepe	Napoli
Tommaso Porcelli	Napoli
Jianyu Rao	Los Angeles (US)
Cioly Rivero Colmenarez	Lausanne (Switzerland)
Esther Diana Rossi	Roma
Sinchita Roy-Chowdhuri	Houston (US)
Niels Rupp	Zurich (Switzerland)
Domenico Salvatore	Napoli
Fernando C. Schmitt	Porto (Portugal)
Giovanni Tallini	Bologna
Giancarlo Troncone	Napoli
Clara Ugolini	Pisa
Philippe Vielh	Paris (France)
Elena Vigliar	Napoli
Marco Volante	Torino
Danijela Vrdoljak-Mozetič	Rijeka (Croatia)
Jennifer Wang	Houston (US)

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09:00 **Welcome message and introduction to the Meeting**
Giancarlo Troncone, Sinchita Roy-Chowdhuri, Maria D. Lozano

09:30 **Lecture**
Why do we need Molecular Testing in Classification Systems?
Fernando C. Schmitt

SESSION I

LUNG

Chairs: *Giacomo Gazzano, Cioly Rivero Colmenarez*

10:00 **AI algorithm to identify tumor microenvironment heterogeneity in mouse and human non-small cell lung carcinomas**
Derek Allison

10:20 **The updated CAP/IASLC/AMP guidelines for lung molecular testing**
Sinchita Roy-Chowdhuri

10:40 **Coffee break**

11:00 **Blood based Liquid Biopsy**
Umberto Malapelle

11:20 **Non-Blood Liquid Biopsy**
Francesco Pepe

11:40 **Urine based Liquid Biopsy**
Jianyu Rao

12:00 **TROP**
Vincenzo L'Imperio

12:30 **Q&A Session**

13:00 **Pathologists as strategic partners in Clinical Trials: skills development and organizational realignment**
Massimo C. P. Barberis

13:30 **Lunch break**

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SESSION II

SWINGING MILAN: WHEN MORPHOLOGY MEETS MOLECULAR TESTING

Chairs: *Zubair W. Baloch, Philippe Vielh*

14:30 **We need to talk about SUMP**
Ivana Kholova

14:50 **Molecular Techniques: the new fashion**
Niels Rupp

15:10 **Why is Molecular Testing underutilized in Salivary Gland Cytopathology?**
Esther Diana Rossi

15:30 **Q&A Session**

SESSION III

PREDICTIVE IMMUNOCYTOCHEMISTRY: THE PATH FOR STANDARDIZATION

Chairs: *Sule Canberk, Sinchita Roy-Chowdhuri*

16:00 **From established to emerging Biomarkers: the growing role of Predictive Immunocytochemistry in Cytology**
Maria D. Lozano

16:20 **PD-L1: standardization**
Ivana Kholova

16:40 **What's new? FR-α expression level in Cytology**
Elena Vigliar

17:00 **Q&A Session**

18:00 **Closing remarks**

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SESSION IV

CLASSIFICATION SYSTEMS AND MOLECULAR TESTS IN THYROID CYTOPATHOLOGY

Chairs: *Guido Fadda, Clara Ugolini*

09:00 **The current status of Thyroid Cytology in the era of New Classifications, Molecular Profiling and Clinical Risk Stratification**
Sule Canberk

09:30 **The fascinating history of papillary thyroid carcinoma nuclei: revelation of two nuclear morphologies “classical papillary” and “papillary-like”, with different pathobiologic characteristics**
N. Paul Ohori

10:00 **Nuclear Atypia in the framework of TBSRTC**
Zubair W. Baloch

10:20 **PRECISE: a prognostic thyrocyte-derived gene signature for thyroid carcinoma**
Jennifer Wang

10:40 **Nuclear Atypia in the framework of ITRCC 2025**
Anna Crescenzi

11:00 **Coffee break**

11:30 **Molecular tests and ITRCC 2025**
Giovanni Tallini

11:50 **Molecular testing application beyond indeterminate categories**
Marco Volante

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12:10 **The evolution of the “TIRNET” Project in the Campania Region**
Claudio Bellevicine, Giancarlo Troncone

12:30 **ESP survey on the current practice of Thyroid Fine-Needle Aspiration Cytology**
Giancarlo Troncone

12:40 **Discussion with TIRNET Experts**
Domenico Salvatore, Vincenzo Novizio, Stefania Masone, Elvio D’Addato, Giovanni De Chiara, Maria Grazia Chiofalo, Giovanni Antonelli, Diego Gerbasio, Livia Barba, Cristina Luongo, Tommaso Porcelli, Gerardo Ferrara

13:00 **Lunch break**

SESSION V

UPDATE ON EDUCATIONAL CYTOPATHOLOGY

14:00 **Lecture: Cytopathology training in Europe**
Danijela Vrdoljak-Mozetič

14:30 **Lecture: Cytopathology training in USA**
Ritu Nayar

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15:00 Oral free papers reserved for young pathologists/trainees

1. **From Cytomorphology to Molecular Testing: An Integrated Approach to Mesothelioma Diagnosis**
   Carolina Castro Romero, Allan Argueta Morales, Shirley Lorenzo Meza, Ariel Guzñay Pinto, Sandra Gómez Pérez, Ángeles Murillo Lalana, Paula Abad Murugarren, Nassira Fernández Montes, Nerea Gómez Pérez, Jaione García Martínez, Vanesa Ocón Cruz, María D. Lozano
2. **Pleural Fluid Cell-Free DNA for Molecular Profiling of Malignant and Cytology-Negative Effusions in NSCLC**
   Darin Dolezal, Dennis Vu, Azeet Narayan, Kimberly Parsons, Julio Badillo, Rita Abi-Raad, Abhijit Patel, Guoping Cai
3. **Exploratory evaluation of Canhelp®-UCa for Non-Muscle-Invasive Bladder Cancer: a comparative analysis with Xpert® BC Monitor and Detection, Bladder EpiCheck®, and Urinary Cytology**
   Lara Pancheri, Silvia Giuliani, Davide Figini, Emanuela Trenti, Salvatore Palermo, Armin Pycha, Christine Mian
4. **Immunohistochemistry of protein surrogates for genetic alterations improves accurate diagnosis of salivary gland neoplasms**
   Sanhong Yu, Chiara Bo, Guoping Cai
5. **Comprehensive Molecular Profiling of Lung Squamous Cell Carcinoma Helps Determine the Origin of Tumors**
   Ruhani Sardana, Catherine Gereg, Guoping Cai
6. **Nexthyro 2.0: an integrated Next-Generation Sequencing (NGS) panel for thyroid tumor profiling**
   Domenica Di Giovanni, Mariantonia Nacchio, Anna Maria Carillo, Genevieve Belleannee, Beatrix Cochand-Priollet, Myriam Decaussin-Petrucci, Gabrielle Deniziaut, Hélène Trouette, Philippe Vielh, Elena Vigliar, Umberto Malapelle, Giancarlo Troncone, Claudio Bellevicine

16:30 Q&A Session

16:45 Final lecture: AI in Cytology
Yosep Chong

17:15 – 17:30 Closing Remarks

Molecular
CYTOPATHOLOGY

Evento ECM n. 700-485515 ed. 1
13 crediti formativi ECM per:
Biologo; Tecnico Sanitario Laboratorio Biomedico;
Medico Chirurgo [Endocrinologia; Genetica medica; Medicina interna; Oncologia; Radioterapia; Chirurgia generale; Anatomia Patologica; Biochimica clinica; Medicina nucleare; Patologia Clinica (Laboratorio di Analisi Chimico-Cliniche e Microbiologia) Radiodiagnostica]

Official language:
English – NO simultaneous translation

Recording:
The full meeting will be recorded and made available for later viewing for six months after the end of the meeting, only for the attendees.

Printed program:
Not available. To reduce the environmental impact of the meeting, the production of printed materials will be limited as far as possible. The program will be available only by scanning a QR code at the venue or by downloading it from the website. If you want to have a hard copy, you will need to print it on your own.

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