

# 17<sup>th</sup> INTERNATIONAL CONGRESS —

of HISTOCHEMISTRY  
and CYTOCHEMISTRY

# ICHC



AUGUST 27-30.2025  
RIMINI-ITALY

## A WELCOME FROM THE ORGANIZERS

On behalf of the Italian Society for Histochemistry (SII), it is our great pleasure to invite you to the 17th International Congress of Histochemistry and Cytochemistry which will be held in Rimini, Italy, from August 27 – 30, 2025. This is the first time that this International Congress is organized in Italy, and this is a great honor and privilege for SII.

Strategically positioned halfway between the north and south of Italy and as part of an extensive network of transport links, Rimini is easy and convenient to reach both from Italian destinations and from abroad. The city, with its blend of history and modernity, will provide an ideal environment to foster the exchange of ideas and networking among researchers, clinicians, and students from across Italy and beyond. The Congress Venue, the PalaCongressi of Rimini, will offer a friendly environment, barrier-free facilities, 2 wide rooms (250 seats/each) for plenary and parallel sessions and a huge exhibition area for posters and companies interested in contributing their valuable knowledge and financial support.

The Board of SII has dedicated significant effort to identifying and contacting prestigious researchers to serve as keynote and invited speakers for this important event as well as Italian societies like GIC (Italian Society of Cytometry), GISN (Italian Group for the Study of Neuromorphology) and SIBS (Italian Society of Experimental Biology) for organizing joint sessions. Furthermore, all member societies of the IFSHC have been actively reached out to define and expand the Congress program. A particular mention must go to The Histochemical Society and to the Society for Histochemistry for their active contribution in organizing sessions. With a focus on ensuring a high-caliber scientific program, the team has successfully formulated a comprehensive agenda that includes plenary sessions, workshops, thematic panels, and poster sessions addressing the latest advancements in histochemistry and cytochemistry applied to medicine, biology, nanotechnology and artificial intelligence.

The involvement of IFSHC member societies is highly encouraged and appreciated, and we warmly invite interested societies to contribute by chairing workshops or sessions and by submitting abstracts as posters or oral communications. Those interested in chairing sessions and workshops are welcome to contact the SII Secretariat at [info@istochimica.it](mailto:info@istochimica.it) for further details.

Please, do not miss the chance to explore the picturesque city of Rimini with its unique atmosphere and make opportunities for international collaboration. This will be an exciting chance for us to gather as a community and share the latest advancements in our fields.

Do help us in making this experience unforgettable!

We look forward to meeting you in Rimini at the end of August 2025!

Full Professor Pavel Hozak, PhD, President of the IFSHC

Full Professor Roberta Di Pietro, MD, President of the SII and of the Local Organizing Committee

**WEDNESDAY**  
**AUGUST 27 2025**

CASTELLO ROOM

**16:30 Assembly of the Italian Society of Histochemistry**

**17:30 Opening ceremony**

**18:00 PLENARY LECTURE** Ornella Parolini (Italy)

Immunological mechanisms in regenerative medicine: a lesson from the human placenta

**19:30 Welcome cocktail and concert**

**THURSDAY**  
**AUGUST 28 2025**

CASTELLO ROOM

**08:45 PLENARY LECTURE** Graziella Pellegrini (Italy)

A technology platform for traslation of ATMP (Advanced Therapy Medicinal Products):  
the example of human eye and skin

PARALLEL SESSIONS

CASTELLO ROOM

**09:30 FRONTIERS IN STEM CELLS  
AND REGENERATIVE MEDICINE**

Florelle Gindraux (France)

**Human amniotic membrane potential  
for bone repair: from the lab  
to the clinic**

Lars Klimaschewski (Austria)

**Modulation of glial proliferation,  
neuronal survival and axonal  
regeneration by the signaling  
integrator Sprouty**

*2 selected oral communications*

ARCO ROOM

**09:30 FROM HISTOCHEMISTRY  
AND HISTOPATHOLOGY  
TO CLINICAL TRANSLATION**

Michelangelo Cordenonsi (Italy)

**Unraveling the relationships between  
tumor cells and their microenvironment  
using high-resolution spatial  
transcriptomics**

Claudia Giampietri (Italy)

**Role of Schwann cells - cancer cells  
crosstalk in tumor progression**

*2 selected oral communications*

**11:00 Coffee break**

**11:30 PLENARY SESSION**

DEVELOPMENT, VALIDATION AND APPLICATION OF MULTIPLEX IMMUNOHISTOCHEMICAL ASSAYS

Giorgio Cattoretti (Italy)

**From seeing to believing: a 43 years long journey in immunostaining**



Peter Boor (Germany)

**Pathomics - a novel omics approach for histopathology**



Andrea Radtke (USA)

**Accelerating discovery together: a community approach to antibody validation and multiplexed imaging**



**13:00 Lunch break**

**14:00 Company presentations**

**14:30 PLENARY WORKSHOP**

FROM ANIMAL MODELS TO ANIMAL-FREE 3D CULTURES AND ORGANOIDS

Saverio Alberti (Italy)

**Animal models of metastatic cancer - advanced image analysis for dissection of driving signaling pathways**

Mateja Erdani Kreft (Slovenia)

**The use of biomimetic 2D and 3D urothelial *in vitro* models with molecular, morphological and functional characteristics of normal and cancerous bladder tissue as an alternative method in preclinical studies**

Maximilian Reichert (Germany)

**Leveraging organoid technologies to characterize dynamic tumor cell states driving treatment resistance in pancreatic cancer**

*2 selected oral communications*

**16:30 Coffee break and Poster Session**

**19:30 Dolce vita and Fellini tour of the city**



FRIDAY  
AUGUST 29 2025

CASTELLO ROOM

**08:45 PLENARY LECTURE** Margarida Barroso (USA)  
Antibody-to-imaging pipeline to monitor drug-target engagement in breast tumors

PARALLEL SESSIONS

CASTELLO ROOM

ARCO ROOM

**09:30 ADVANCED RESEARCH IN CELL DEATH, AGING AND DIFFERENTIATION**

Carmine Settembre (Italy)  
**From bulk to selective: a journey into the physiological relevance of autophagy**

Luigi Leanza (Italy)  
**Role of mitochondria metabolism and contact sites in cancer cell death and survival**

*2 selected oral communications*

**09:30 OMICS, MORPHOLOGY AND ARTIFICIAL INTELLIGENCE**

Carlo Tacchetti (Italy)  
**From cloud to bedside**

Emmanouil Karteris (UK)  
**Building a machine learning classifier to differentiate between ovarian cancer and healthy controls**

*2 selected oral communications*

**11:00 Coffee break**

CASTELLO ROOM

**11:30 PLENARY SESSION**  
HISTOCHEMISTRY OF THE NUCLEUS

Ohad Medalia (Switzerland)  
**The mystery of intermediate filaments: structural perspective**

Lucio Cocco (Italy)  
**Domains and signalling pathways in the nucleus**

Toyoshi Fujimoto (Japan)  
**Lipid droplets and nuclear lipid dynamics**

**13:00 Lunch break**

**14:00 Company presentations**



## PARALLEL SESSIONS

### CASTELLO ROOM

**14:30 WORKSHOP**  
**NEW HORIZONS IN FLOW**  
**CYTOMETRY: ADVANCES IN**  
**ANALYSES AND CHARACTERIZATION**  
**OF EXTRACELLULAR VESICLES**  
**(JOINT SESSION WITH GIC)**



**Stefano Amalfitano (Italy)**  
**Flow cytometry for the analysis**  
**of micro/nanoparticles: current**  
**applications and challenges**

**Paola Lanuti (Italy)**  
**Labeling extracellular vesicles**  
**for high sensitive flow cytometry**  
**analyses**



**Igea D'Agnano (Italy)**  
**Flow cytometry in the development**  
**and characterization of preclinical**  
**tumor models based on the analysis**  
**of extracellular vesicles**  
**as candidate liquid biomarkers**

*2 selected oral communications*

### ARCO ROOM

**14:30 WORKSHOP**  
**MULTILEVEL IMAGING:**  
**THE FUTURE OF**  
**CYTO/HISTOCHEMISTRY?**

**ROBERT FEULGEN LECTURE**



**Roland Foisner (Austria)**  
**Lamins in nuclear organisation**  
**and chromatin regulation**



**Martin Sztacho (Czech Republic)**  
**Spatio-temporal organization of the**  
**super-enhancer structure in cancer**  
**cells**



**Sercin Karahuseyinoglu (Turkiye)**  
**Advancements and emerging**  
**perspectives in microscopic imaging**

*2 selected oral communications*

**16:30 Coffee break and Poster Session**

**19:30 Gala Dinner**



SATURDAY  
AUGUST 30 2025

CASTELLO ROOM

**08:45 PLENARY LECTURE**

David Glick or Paul Nakane Award

PARALLEL SESSIONS

CASTELLO ROOM

ARCO ROOM

**09:30 NEUROVASCULAR UNIT:  
FROM STRUCTURE  
TO PHARMACOLOGICAL TARGETS  
(JOINT SESSION WITH GISN)**



Michele Papa (Italy)

**Imaging EU and maladaptive  
plasticity in the CNS**



Gabriele Di Sante (Italy)

**The S100B Protein: a multifaceted  
pathogenic factor more than  
a biomarker and a potential  
therapeutic tool**

*2 selected oral communications*

**09:30 NUTRACEUTICALS:  
NEW PATHWAYS FOR CELLULAR  
HEALTH BEYOND FOODS  
(JOINT SESSION WITH SIBS)**

Matteo Micucci (Italy)

**The chemistry of nutraceuticals:  
driving health innovations  
and shaping new paradigms**



Celeste Caruso Bavisotto (Italy)

**Nanovesicular mediation  
of gut-brain axis by probiotics:  
*in vivo* and *in vitro* evidence**

*2 selected oral communications*

**11:00 Coffee break**

CASTELLO ROOM

**11:30 PLENARY SESSION**

David Glick or Paul Nakane Award

**Young Histochemist Awards**

**13:00 CLOSING CEREMONY**

**Best Posters Awards**

# ORGANISING COMMITTEE

## **PRESIDENT OF THE CONGRESS:**

**Roberta Di Pietro**

## **VICE PRESIDENT OF THE CONGRESS:**

**Elisabetta Falcieri**

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**Maria De Falco**

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**[www.ichc.website](http://www.ichc.website)**



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