

17th 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 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 ORGANOID

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

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

ARCO ROOM

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 NUCLEOS

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

**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

ARCO ROOM

**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
Best Posters Awards**

13:00 CLOSING CEREMONY

ORGANISING COMMITTEE

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