



Program

XIX Conference of Italian Researchers in the World

Brussels – May 23, 2025

11:00 – 12:45 (Local Time) –

Moderated by

Gabriele Andreoli

President of the Institute for
Advanced Studies and Cooperation
(IASCOP)

11:00 Welcome

Antonella Sberna

Vice President European Parliament

Anne Weyembergh

Vice Rector
Université libre de Bruxelles

Andrea Giuffrida

President Texas Scientific Italian
Community (TSIC)

Antonio Cenini

XIX Conference Coordinator at EU
Rep. General Council for Italians
Abroad - (CGIE)

Federica Favi

Ambassador
Embassy of Italy in Belgium

11:30 Opening Remarks

Vincenzo Arcobelli

Founder & Conference Chairman

Anna Maria Bernini (TBC)

Minister of University and Research of
Italy

**11:45 Associations of Italian
Researchers Abroad -
“Their Role”**

Cristina Bettin

President, Association of Italian
Scholars and Scientists in Israel (AISSI)

Ilaria Pagani

President, Association of Italian
Researchers in Australia (ARIA)

Rossana De Angelis

President, Rete dei Ricercatori Italiani
in Francia (RÉCIF)

Carla Molteni

President, Association of Italian
Scientists in the United Kingdom
(AISUK)

Fabio Pinna

President, AIRicerca Belgium

Rosanna Bonasia

President, Associazione Ricercatori
Italiani in Messico (ARIM)

12:45-13:00 Coffee Break

13:00 Sessions Presentation

AEROSPACE

Moderator

Stefano Boccaletti

Ph.D., Director of Research at the
Institute of Complex Systems of the
Italian CNR, Florence.
Member of the *Accademia Europea*
Fellow of the *American Physical*
Society
Editor in Chief of *Chaos Solitons and*
Fractals

Adriano Ghedina

Ph.D., Director of the Italian
“Telescopio Nazionale Galileo”
of the Institute National of
Astrophysics (INAF) SPAIN
“The Importance of the Contribution
of the Italian Telescopio Nazionale
Galileo to the Exo-Planetary
Research”

Cesare Grava

Ph.D., Lead Scientist, Southwest
Research Institute, NASA Solar System
Ambassador (2025), San Antonio,
Texas, USA.

**“The UV spectrograph LAMP on
NASA’s Lunar Reconnaissance
Orbiter: studying the Moon with
UltraViolet eyes”**

Claudia Paladini

Ph.D., Associate Astronomer, Deputy
Head of the Office for Science at ESO
(European Southern Observatory),
Vice President of the European
Interferometry Initiative, Chile
**“From Salento to the Andes: A story
of Giants – Stars and Telescopes”**

13:45 Sessions Presentation

STEAM

Moderators

Timoteo Carletti

Ph.D., Namur Institute for Complex
Systems (naXys), Université de
Namur, Belgium

Simone Napolitano

Ph.D., Polymer and Soft Matter
Dynamics, Université libre de
Bruxelles, Belgium

Ludovico Minati

Ph.D., Director of the Interdisciplinary
Nonlinear Dynamics Laboratory
(INDLab), School of Life Science and
Technology, University of Electronic
Science and Technology of China,
Chengdu, China

**“Across neurons and silicon: how
neuroscience and engineering can
inspire each other”**



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Riccardo Muolo

Ph.D., Institute of Science Tokyo,
Japan

**"The Importance of Being Periodic:
the phase Reduction Approach to
Synchronization, from Kuramoto to
Deep Brain Stimulation"**

Itamar Procaccia

Ph.D., The Weizmann Institute of
Science, Rehovot, Israel

**"The unexpected consequences of
disorder in amorphous solids"**

Charo del Genio

Ph.D., Trakia University, Stara Zagora,
Bulgaria

**"The Multiple Scales of molecular
Recognition in Plants"**

Alessandro Parente

Ph.D., Aero-Thermo-Mechanics
Laboratory, Ecole Polytechnique,
Université libre de Bruxelles, Belgium

**"Decarbonizing Energy-Intensive
Industries with Data and Digital
Twins"**

David Cannella

Ph.D., Université libre de Bruxelles,
Belgium

**"When Light Meets Circular
Bioeconomy: The Next-Generation of
Greener Biofuels"**

Luca Fiorani

Ph.D., Senior researcher at ENEA,
Physical Technologies and Security
Division, Frascati

Seconded national expert in
disruptive technologies at the
European Commission, Directorate-
General for Defense Industry and
Space, Brussels, Belgium

**"Laser Photoacoustic Spectroscopy
for Fast and Contactless Sensing of
Nerve Gases"**

Elio Tuci

Ph.D., Université de Namur, Belgium
Faculty of Computer Science

"BABOTS : Biological Animal Robots"

Simone Lucatello

Ph.D., National Council of Science and
Technology (CONACYT) Mexico,
Coordinator Leader report GEO 7
United Nations Program (UN) and
Environment (UNEP)

**"Digital Transformation and Suitable
Development. The PRODIGEES
Project"**

Angelo Pinto

Ph.D., IEEE Fellow, Vice President of
External Manufacturing Production
(EMP) at Intel, San Diego, California,
USA

**"Navigating from Sicily to
Semiconductor Industry Leadership"**

15:30-15:45 Coffee Break

15:45

MEDICINE

Moderators

Andrea Giuffrida

Ph.D., Senior Vice President for
Research & Biotechnology
Western University of Health
Sciences, California, USA

Maddalena Parafati

Ph.D., Research Assistant Professor
Department of Pharmacodynamics
University of Florida, College of
Pharmacy

Antonio Colaprico

Ph.D., Translational Research
Department at Institut
Curie, PSL Research University, Paris,
France

**"Multi-Omics Profiling of
Neuroblastoma Identifies**

Immunological Biomarkers

**Associated with Higher Risk of
Relapse: Results from the MICCHADO
Study"**

Pietro Coletti

Ph.D., Université Catholique de
Louvain, Belgium

**"The Use of Social Contact Data to
Monitor Behavioral Changes During
the COVID-19 Pandemic"**

Enkelejda Miho

Ph.D., Digital Life Sciences Head of the
Laboratory of Artificial Intelligence for
Health Group Leader Swiss Institute of
Bioinformatics

**"Benchmarking Immunoinformatic
Tools for Sequence-Based Precision
Diagnostics of AL Amyloidosis"**

Eleonora Leucci

Ph.D., Laboratory for RNA Cancer
Biology, Department of Oncology,
Katholieke Universiteit Leuven,
Belgium

**"Exploiting the Dark Genome to
Overcome Cancer Therapy
Resistance"**

Viviana Vella

Ph.D., Department of Biochemistry
and Biomedicine, School of Life
Sciences, University of Sussex, UK

**"Unravelling New Modulators of
Therapy Resistance in Glioblastoma"**

Antonella Fioravanti

Ph.D., Université Libre de Bruxelles,
Faculté des Sciences, Belgium

**"The Microbial Age: Confronting
Pathogens, Protecting Health and
Facing Climate Change"**

Sara G.M. Piccirillo

Ph.D., The Robert M. Faxon Jr.
Endowed Professor in Neuro-
Oncology, The Brain Tumor
Translational Laboratory, University of
New Mexico Health Sciences Center



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Albuquerque, NM, USA

**“Single-Nucleus and Spatial
Landscape of the Sub-Ventricular
Zone in Human Glioblastoma”**

[Casimiro Gerarduzzi](#)

Ph.D., Department of Medicine,
University of Montreal, Canada

**“The Hidden Drivers of Kidney
Scarring - A New Look at Repair and
Inflammation”**

[Riccardo Gottardi](#)

Ph.D., Children Hospital of
Philadelphia, University of
Pennsylvania

**“Restoring Breath and Hearing: How
Waste Tissue is Transformed Into
Hope for Children”**

17:15

HUMANITIES

Moderator

[Pasquale Nardone](#)

Ph.D., Département de Physique
Laboratoire d'information quantique
Université libre de Bruxelles, Belgium

[Michele Vincenti](#)

Ph.D., Associate Dean Graduate
Programs, University Canada West
Vancouver, Canada

**“AI-Assisted Spirituality:
Transforming the Ignatian Exercises
and the Lectio Divina for Modern
Leadership Development”**

[Eugenia Cenini](#)

MS, Researcher Laboratorio de
Epigenetica- Departamento
Morfologia - CCS/UFES University of
Espírito Santo, Brazil

**“Mens Sana”, Assessing Police
Military Officers Well-Being and
Quality of Life in the State of Espírito
Santo (BR), an Integrated Approach”**

17:40 Conclusion

[Vincenzo Arcobelli](#)

Founder & Conference Chairman
