



Ambasciata d'Italia
Praga



SECOND MULTIDISCIPLINARY CONFERENCE OF THE ITALIAN RESEARCHERS IN THE CZECH REPUBLIC

7-9 June 2023

PROGRAM

JUNE 7 - OPENING CEREMONY

17.30 – 18.30 PRESENTATION OF THE EVENT & WELCOME BY INSTITUTIONAL SPEAKERS

18.30 – 20.00 WELCOME COCKTAIL

JUNE 8 - SCIENTIFIC SESSIONS

8.20 - 8.50 REGISTRATION

8.50 - 9.00 ***Introduction to the Conference***

Luca Vannucci, organizer and chair of the Conference and President of the Czech Immunological Society, Prague, Czech Republic

9.00-9.20 **Alfredo Iorio: *Chasing quantum gravity with a pencil***. Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic

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| 9.20-9.40 | Daniele Margarone: <i>ELI Beamlines: the high-peak, high-average power laser facility of the Extreme Light Infrastructure</i>. ELI Beamlines Facility, The Extreme Light Infrastructure ERIC, Dolní Břežany, Czech Republic |
| 9.40-10.00 | Lorenzo Giuffrida: <i>Commissioning experiments at the ELIMAIA user beamline</i>. ELI Beamlines Facility, The Extreme Light Infrastructure ERIC, Dolní Břežany, Czech Republic |
| 10.00-10.20 | Lorenzo Giuffrida: <i>A multi-MeV alpha particle source via proton-boron fusion driven by a 10-GW tabletop laser</i>. ELI Beamlines Facility, The Extreme Light Infrastructure ERIC, Dolní Břežany, Czech Republic |
| 10.20-10.40 | 10 MIN QUESTION TIME + 10 min coffee break |
| 10.40-11.00 | Roberto Versaci: <i>The FLUKA.CERN collaboration</i>. ELI Beamlines Facility, The Extreme Light Infrastructure ERIC, Dolní Břežany, Czech Republic |
| 11.00-11.20 | Anna Cimmino: <i>Radiation protection at ELI Beamlines</i>. ELI Beamlines Facility, The Extreme Light Infrastructure ERIC, Dolní Břežany, Czech Republic |
| 11.20-11.40 | Paolo Nicolini: <i>The long march toward zero friction</i>. Department of Control Engineering, Faculty of Electrical Engineering, Czech Technical University in Prague, Prague, Czech Republic and Institute of Physics, Czech Academy of Sciences, Prague, Czech Republic |
| 11.40-12.00 | Marco La Mantia: <i>Turbulent flows of superfluid helium-4: an introduction</i>. Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic |
| 12.00-12.20 | Francesco Piana: <i>Uncovering the Hidden Potentials of Materials: Exploring the Electrical Properties of the objects That Surround Us</i>. Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic v.v.i, Prague, Czech Republic |
| 12.20-12.30 | QUESTION TIME |
| 12.30-14.00 | LUNCH TIME |
| 14.00-14.20 | Eliana Pintus: <i>Hydrogen sulfide and sperm biology: from poison to remedy</i>. Department of Veterinary Sciences, Faculty of Agrobiological Sciences, Food and Natural Resources, Czech University of Life Sciences Prague, Czech Republic |
| 14.20-14.40 | José Luis Ros-Santaella: <i>Implication of sperm size and shape in animal andrology</i>. Department of Veterinary Sciences, Faculty of Agrobiological Sciences, Food and Natural Resources, Czech University of Life Sciences Prague, Czech Republic |

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| 14.40-15.00 | Maria Scaringi: <i>Cat's claw (Uncaria tomentosa): a natural source of antioxidants for sperm preservation</i> . Department of Veterinary Sciences, Faculty of Agrobiology, Food and Natural Resources, Czech University of Life Sciences Prague, Czech Republic |
| 15.00-15.20 | Gianvito Scaringi: <i>Thermo-hydro-mechanics of landslides under climate change</i> . Institute of Hydrogeology, Engineering Geology and Applied Geophysics, Faculty of Science, Charles University, Prague, Czech Republic |
| 15.20-15.40 | 10 MIN QUESTION TIME + 10 min coffee break |
| 15.40-16.00 | Silvia Garrappa: <i>Metal soaps in oil paintings over the centuries</i> . Institute of Inorganic Chemistry of the Czech Academy of Sciences, ALMA Laboratory, Husinec-Řež, Czech Republic |
| 16.00-16.20 | Paolo Divizia: <i>Multi-text medieval manuscripts between textual criticism, codicology and paleography: the case of XV century manuscript Florence, Biblioteca Marucelliana, C 150, containing philosophical and rhetorical texts in vernacular Italian</i> . Department of Romance Languages and Literatures, Masarykova univerzita, Brno, Czech Republic |
| 16.20-16.40 | Ludovica Radif: Giuliano de' Ricci reader of a lost work . Faculty of Arts, Department of Romance Languages, Palacký University |
| 16.40-17.00 | Mattia Collini: <i>The evolution of political families in Central and Eastern Europe: Dynamics of electoral volatility and political orientation</i> . Institute of Political Studies, Faculty of Social Sciences, Charles University, Prague, Czech Republic |
| 17.00-17.15 | QUESTION TIME |
| 17.15-19.00 | POSTER SESSION |

JUNE 9 - SCIENTIFIC SESSIONS

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| 9.00-9.20 | Luca Vannucci: <i>The smoldering inflammation and the road to cancer</i> . Laboratory of Immunotherapy, Institute of Microbiology of the Czech Academy of Sciences, v.v.i., Prague, Czech Republic |
| 9.20-9.40 | Giancarlo Forte: <i>The different layers of pathological mechanosensing</i> . International Clinical Research Center of St. Anne's University Hospital, Brno, Czech Republic, and |

School of Cardiovascular and Metabolic Medicine & Sciences, King's College London,
United Kingdom

9.40-10.00 **Francesco Niro: *An induced pluripotent stem cell-based model to study the role of EXTRACELLULAR MATRIX in myocardial fibrosis.*** International Clinical Research Center of St. Anne's University Hospital, Brno, Czech Republic

10.00-10.20 **Valerio Giacobelli: *Primordial proteins: simple but not simpler.*** Department of Cell Biology, Faculty of Science, Charles University, Prague, Czech Republic

10.20-10.40 10 MIN QUESTION TIME + 10 min coffee break

10.40-11.00 **Davide Basello: *Applications and development at IPHYS Bioimaging facility.*** Bioimaging facility, Institute of Physiology of the Czech Academy of Sciences, Prague, Czech Republic

11.00-11.20 **Enrico Patrono: *Development of a new optogenetic brain-on-a-chip approach to study GABA/NMDAR altered ratio in Schizophrenia.*** Laboratory of Neurophysiology of Memory, Institute of Physiology of the Czech Academy of Sciences, Prague, Czech Republic

11.20-11.40 **Alice Abbondanza: *Deletion of beta2-containing nicotinic acetylcholine receptors in striatal interneurons controls striatal-dependent behaviors.*** Department of Neurochemistry, Institute of Physiology, Czech Academy of Sciences, Prague, Czech Republic

11.40-12.00 **Giulio Tani Raffaelli: *Assessing the non-linearity in brain data across modalities.*** Complex Systems Department, Computer Science Institute, Czech Academy of Sciences, Prague, Czech Republic

12.00-12.20 **Dino Numerato: Healthcare professionals and vaccine hesitancy.** Faculty of Social Sciences, Charles University, Prague, Czech Republic

12.20-12.30 QUESTION TIME

12.30-12.50 CONCLUSION and Farewell toast