

Mediterranean
Thematic Workshops
in Advanced Molecular Imaging

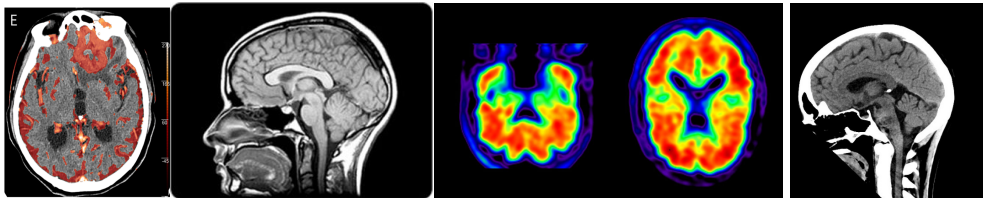
I FEEL
SLOVENIA

VII. MEDITERRANEAN THEMATIC WORKSHOP ON ADVANCED MOLECULAR IMAGING

MEDAMI 2022

<http://medami2022.ijs.si/>

Multimodality/Molecular Neuro-Imaging: Clinical and Technical state-of-the-art and future developments



Grand Hotel Portorož, Slovenia, September 5-7, 2022

Dear Colleague,

Following the previously conducted symposia on dedicated medical imaging instrumentation and applications, we are presently organizing **the 7th event** of this series in the beautiful city of Portorož, Slovenia. Unfortunately due to the Covid-19 pandemics, the workshop has been postponed twice. We hope to meet you in-person this year.

The MEDAMI workshops are unique as they address a medical imaging topic in the context of the interaction and synergy between clinical applications and technical developments. In addition to providing an overview of the state-of-the-art, they aim to both stimulate technological developments and their clinical use. Fundamental strategic questions of “where is the field going?” are being discussed.

Some of the **key topics** this year’s forum shall address are:

- Brain imaging in research and clinics – status and next frontiers
- Multimodality imaging advances in the context of understanding brain function in healthy subjects and in neurodegeneration/brain trauma/COVID-19
- Role of animal models in neurodegeneration/trauma/addiction/psychiatry
- Neurobiology of brain cancer
- Gut to brain connection: does it justify whole body scanners for brain imaging?
- Technical advances in brain imaging:
 - TOF-PET: What timing resolution is needed? What is the impact?
 - Photon counting/spectral/low dose CT: revolutionizing trauma imaging?
 - Is there a role for brain only scanners?
 - AI/ML/Deep learning: what does it bring in imaging?
- How can we make imaging more accessible to a wider community?

Consistent with the spirit of this workshop, topics will be addressed from the medical, clinical and instrumentation perspectives.

The program of [MEDAMI2022](http://medami2022.ijs.si/) is currently being developed and will be published on the conference website <http://medami2022.ijs.si/>. Several Key Opinion Leaders in Biology, Medicine, and Technology have already agreed to give lectures.

The **meeting format** fosters close interaction between different stakeholders from academia, medical institutions and organizations, regulatory agencies, and industry by providing enough time and opportunities for personal interactions. The program of the MEDAMI 2022 will consist primarily of invited talks given by key opinion leaders and experts from around the world. A preliminary list of confirmed presenters can be found on the workshop website (<http://medami2022.ijs.si/>).

A limited number of abstracts for oral and poster presentations will also be accepted and we strongly encourage submission of relevant abstracts.

We hope you will consider joining this forward-looking workshop, thus contributing to making this unique interdisciplinary event a productive and exciting meeting. Your presence at this multi-disciplinary meeting is **crucial for its success**.

Please join us in Portorož at the critical time of defining the future of medical imaging.

Important dates:

- Mar 20, 2022: 1st announcement of MEDAMI2022
- Mar 20, 2022: Call for abstracts: <https://indico.cern.ch/event/851913/abstracts/>
- Apr 27, 2022: 2nd announcement of MEDAMI2022
- May 20, 2022: 3rd announcement of MEDAMI2022
- May 31, 2022: Abstracts Submission Deadline
- Jun 15, 2022: Notification to Authors
- Jun 1, 2022: Early Bird Registration Opening
- Aug 10, 2022: Early Bird Registration closes
- After Sep 3, 2022, only on-site registration is possible
- Sept. 5-7: Conference

Conference Chairpersons

Vesna Sossi / Peter Križan / John Prior

University of British Columbia, Vancouver, Canada/Ljubljana University, Slovenia/ Lausanne University, Switzerland

On behalf of the **MEDAMI Organizing Committee: (alphabetical order+ consistency in reporting city/country)**

J.M. Benlloch, I3M, CSIC, Valencia, Spain

F. Garibaldi, ISS&INFN, Rome, Italy

A. Gonzalez, I3M, CSIC, Valencia, Spain

Y. Haemisch, Direct Conversion/Varex, Munich, Germany

R. Lecomte, Universite de Sherbrooke, Sherbrooke ,Canada

P. Lecoq, CERN, Geneva, Switzerland

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