



MIC Festival 2022 – Programme

Success by imaging: How to lift my research to the next level

9th June 2022, Van Swieten Saal, Medical University of Vienna

9.00 am

Welcome

Markus Müller, Rector of the Medical University of Vienna

Wolfgang J. Weninger, Speaker of Medical Imaging Cluster, Medical University of Vienna

9.10 – 9.50 am

Keynote Lecture

Chair: Georg Langs, Department of Biomedical Imaging and Image-guided Therapy*

Success by science?

Nikolas Popper, Faculty of Informatics, TU Vienna

9.50 – 10.30 am

Success by imaging technology

Chairs: Cecile Philippe and Marcus Hacker, Department of Biomedical Imaging and Image-guided Therapy*

Understanding molecular mechanisms for theranostic applications in nuclear medicine using imaging probes

Wolfgang Wadsak and Markus Mitterhauser, Department of Biomedical Imaging and Image-guided Therapy*

Unconventional optical microscopy modalities with medical diagnostic and prognostic potential

Kareem Elsayad, Center for Anatomy and Cell Biology*

AI and imaging – the glue that links modalities

Georg Langs, Department of Biomedical Imaging and Image-guided Therapy*

Wolfgang Birkfellner, Center for Medical Physics and Biomedical Engineering*

10.30 – 10.40 am

Promotional film MIC

10.40 – 11.00 am

Coffee Break (exhibition)

11.00 am – 12.00 pm

Multi-Cluster-Roundtable:

Together makes us stronger!

Moderation: Heinz Redl, LBI for Traumatology

Rudolf Valenta, Institute of Pathophysiology and Allergy Research*

Joachim Widder, Comprehensive Cancer Center*

Daniela Pollak-Monje Quiroga, Center for Physiology and Pharmacology*

Irene Lang, Department of Medicine II*

Wolfgang J. Weninger, Center for Anatomy and Cell Biology*

12.00 – 1.00 pm

Lunch and Postersession

12.00 – 12.30 pm

Posterwalk 1

Development of Imaging Probes & Preclinical Imaging

Chairs: Wolfgang Wadsak and Markus Mitterhauser, Department of Biomedical Imaging and Image-guided Therapy*

Posterwalk 2

Image Computing, Analysis and Visualisation

Chairs: Wolfgang Birkfellner, Center for Medical Physics and Biomedical Engineering*

Thomas Helbich, Department of Biomedical Imaging and Image-guided Therapy*

12.30 – 1.00 pm

Posterwalk 3

Image Guided Therapy and Theranostics & Microscopy and Advanced Optical Imaging

Chairs: Rainer Leitgeb, Center for Medical Physics and Biomedical Engineering*

Gerd Heilemann, Department of Radiation Oncology*

Posterwalk 4

Quantitative Clinical Imaging & Telemedicine

Chairs: Thomas Beyer, Center for Medical Physics and Biomedical Engineering*

Renate Kain, Department of Pathology*

1.00 – 2.00 pm

Success by imaging application

Chairs: Pascal Baltzer, Department of Biomedical Imaging and Image-guided Therapy*

Rupert Lanzenberger, Department of Psychiatry and Psychotherapy*

Deuterium Metabolic Imaging – the new frontier in Molecular Imaging

Wolfgang Bogner, Department of Biomedical Imaging and Image-guided Therapy*

Telemedicine in the retina: A pioneering role

Gregor Reiter, Department of Ophthalmology and Optometry*

Theranostics – Quo vadis?

Alexander Haug, Department of Biomedical Imaging and Image-guided Therapy*

Hybrid OCT and Photoacoustic capsule endoscopy for oesophageal imaging

Qian Li, Center for Medical Physics and Biomedical Engineering*

Deep learning-based monitoring of geographic atrophy on OCT in the FILLY phase II clinical trial

Julia Mai, Department of Ophthalmology and Optometry*

Eye motion surveillance system for noninvasive ocular particle therapy

Milovan Regodic, Department of Radiation Oncology*

PET Study on the characterization of an APP/Tau rat model of Alzheimer's disease

Severin Mairinger, Department of Clinical Pharmacology*

Implementing Virtual Microscopy for Academic Education in Pathology at the Medical University of Vienna

Maximilian C. Koeller, Department of Pathology*

2.00 – 2.20 pm

Coffee Break (exhibition)

2.20 – 2.50 pm

Highlight Lecture

Chair: Claudia Kuntner-Hannes, Department of Biomedical Imaging and Image-guided Therapy*

How biomedical image informatics can support multi-modal imaging across scales

Katja Bühler, VRVis Centre for Virtual Reality and Visualisation

2.50 – 3.00 pm

Promotional film MIC

3.00 pm

Farewell and Poster award

Michaela Fritz, Vice Rector for Research and Innovation

Wolfgang Weninger, Speaker Medical Imaging Cluster*

* Medical University of Vienna