MIC Festival 2022 – preliminary Program

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

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

09:00   **Welcome** - Rector M. Müller (MUW); W. Weninger (MIC)

09:10   **Keynote Lecture:** Chair: G. Langs

Success by science? N. Popper (TU Wien)

09:50   **Success by imaging technology:** Chair: C. Philippe, M. Hacker

09:50   *Understanding molecular mechanisms for theranostic applications in nuclear medicine using imaging probes* (W. Wadsak, M. Mitterhauser)

10:10   *Unconventional optical microscopy modalities with medical diagnostic and prognostic potential* (K. Elsayad)

10:20   *AI and imaging - the glue that links modalities* (G. Langs, W. Birkfellner)

10:30   **Promotional film MIC**

10:40   **Coffee Break** (exhibition)

11:00   **Multi-Cluster-Roundtable,** Moderation: H. Redl

„Together makes us stronger!"

R. Valenta (Immunology), J. Widder (Cancer Research and Oncology), D. Pollak (Medical Neuroscience), I. Lang (Cardiovascular Medicine), W. Weninger (Medical Imaging)

12:00   **Lunch and Postersession**

12:00   **Posterwalk 1**: Chair: W. Wadsak, M. Mitterhauser
Development of Imaging Probes & Preclinical Imaging

Posterwalk 2: Chair: W. Birkfellner, T. Helbich
Image Computing, Analysis and Visualisation

12:30   **Posterwalk 3**: Chair: R. Leitgeb, G. Heilemann
Image Guided Therapy and Theranostics & Microscopy and Advanced Optical Imaging

Posterwalk 4: Chair: T. Beyer, R. Kain
Quantitative Clinical Imaging & Telemedicine

13:00	**Success by imaging application:** Chair: P. Baltzer, R. Lanzenberger
13:00	*Deuterium Metabolic Imaging - the new frontier in Molecular Imaging* (W. Bogner)
13:10	*Telemedicine in the retina: A pioneering role* (G. Reiter)
13:20	*Theranostics - Quo vadis?* (A. Haug)
13:30	*Hybrid OCT and Photoacoustic capsule endoscopy for oesophageal imaging* (Q. Li)
13:35	*Deep learning-based monitoring of geographic atrophy on OCT in the FILLY phase II clinical trial* (J. Mai)
13:40	*Eye motion surveillance system for noninvasive ocular particle therapy* (M. Regodic)
13:45	*PET Study on the characterization of an APP/Tau rat model of Alzheimer's disease* (S. Mairinger)
13:50	*Implementing Virtual Microscopy for Academic Education in Pathology at the Medical University of Vienna* (M.C. Koeller)
14:00	**Coffee Break** (exhibition)
14:20	**Highlight Lecture:** Chair: C. Kuntner-Hannes
	"How biomedical image informatics can support multi-modal imaging across scales" (K. Bühler)
14:50	**Promotional film MIC**
15:00	**Farewell and Poster award** - W. Weninger