



**2nd Social Event Organized by the
Institute for Medical Technology (IMT) and
the Emerging Leaders Club @ UMM**

Location: University Medical Center, Patientenhaus, Room “Weitblick”

Date: July 23, 1 PM – 5 PM

Registration Link: <https://m2olie.wufoo.com/forms/zrlx8tm0018ifa/>

Agenda

1:00 PM Opening & Welcome

Prof. Dr. Nilüfer Baba, Hochschule Mannheim, IMT

PD Dr. med. Marie-Claire Rassweiler-Seyfried, UMM, Emerging Leaders Club

PD Dr. med. Cui Yang, UMM, Emerging Leaders Club

1:15 PM Session I: Imaging for Medical Applications

Christian Licht: Sodium and sodium multiquantum coherence MRT, MIISM-CKM, UMM

Friedrich Pietsch: Textual heterogeneity of liver lesions in CT imaging KIRN, UMM

Jonas Cordes: Interactive Remote Working for Clinical and Molecular Imaging Data, Institute for Medical Informatics, Hochschule Mannheim

2:00 PM BREAK



2:15 PM Session II: Use of AI in Medical Technology

Nour Alfakhori: *Use of AI-supported image processing and contouring on the Ethos accelerator, Clinic for Radiotherapy, UMM*

Benjamin Kraus: *Enhancing Error Pattern Identification in Medical Device Log Files Using Encoder-Based Architectures, Institute for Applied Artificial Intelligence and Robotics (A²IR), Hochschule Mannheim*

Nikolas Ebert: *Detection of microorganisms, Research and Transfer Center CeMOS, Hochschule Mannheim*

3:00 PM BREAK

3:15 PM Session III: Medical Devices and Medical Robotics

Javier Moviglia: *Tracking system with monocular camera for image-guided surgical navigation; MIISM-ABM, UMM*

Fabian Sadi: *Novel Drives for MRI Robotic Systems; MIISM-ABM, UMM*

Wahid Fattal: *DeepTRUS - Deep-learning based Prostate Cancer Detection in Microultrasound, DKFZ*

Vincent Förster: *In-ear wearable technology for recording circadian, menstrual and patho-/physiological temperature fluctuations, Institute for Biomedical Engineering, Hochschule Mannheim*

4:00 PM Final remarks, snacks & drinks

5:00 PM End of the event