MEDICAL IMAGING CLUSTER
MEDICAL UNIVERSITY OF VIENNA

Invitation
MIC Festival –
Digital Revolution in
Medical Imaging

Thursday, 6th June 2019, 8.45 am

Van Swieten Saal, Medical University of Vienna
Van-Swieten-Gasse 1a, 1090 Vienna

www.cluster.meduniwien.ac.at/mic

Programme

8.45 – 9.00 am
Welcome
Michaela Fritz,
Vice-Rector of the Medical University of Vienna

Ursula Schmidt-Erfurth,
Speaker of the Medical Imaging Cluster (MIC),
MedUni Vienna

———

9.00 – 10.00 am
Session I
Tutorial: The Basics of Big Data and
Artificial Intelligence
Chair: Siegfried Trattnig, Wolfgang Drexler,
MedUni Vienna

Digital Medicine and Imaging in the Eye in Times of
Artificial Intelligence
Ursula Schmidt-Erfurth, MedUni Vienna

Learning Precision Medicine Models from Big Data
Georg Langs, MedUni Vienna

Biomarker Discovery Approaches through Big Data for
Molecular Imaging
Raheleh Sheibani, MedUni Vienna

———

10.00 – 10.30 am
Coffee break

———

10.30 – 11.30 am
Session II
Clinical Decisions and Visions for
Support Systems
Chair: Thomas Helbich, Markus Mitterhauser,
MedUni Vienna

Precision Radiation Oncology: Accuracy and
Individualisation
Joachim Widder, MedUni Vienna

Requirements for a Scientific Image Archive in a
University Hospital Environment
Michael Prinz, MedUni Vienna

Health Economics: Modelling of Patient Pathways
Ines Stelzer, MedUni Vienna

Ethics in Digital Medicine
Alexander Filipovic, Hochschule für Philosophie
München

———

11.30 am – 12.00 pm
Rapid Fire Presentations (6 selected posters)
Chair: Marius Mayerhöfer and Christoph Hitzenberger,
MedUni Vienna

———

12.00 – 1.00 pm
Poster Walk - Lunch break (90 poster presentations)

———

1.00 – 2.30 pm
Clinical Decision Support Systems:
Industrial Perspectives
Chair: Marcus Hacker, Wolfgang Birkfellner,
MedUni Vienna

Automated Analysis of Retinopathies
Christopher Semturs, Google Mountain View

Expanding Precision Medicine along Clinical
Pathways with AI powered Decision-Support
Tina Manoharan, Siemens Healthineers

Adaptive Intelligence in Medical Imaging –
A perspective on AI from Philips
Jürgen Weese, Philips Austria

———

2.30 – 2.45 pm
Coffee break

———

2.45 – 4.00 pm
Session III
Pattern Recognition
Chair: Christian Herold, Rupert Lanzenberger,
MedUni Vienna

Images are Data: the Promise of Radiomics
Pascal Baltzer, MedUni Vienna

Optimized Radiomics for quantitative in vivo
Disease Characterization
Laszlo Papp, MedUni Vienna

Machine Learning for Forecasting from Longitudinal OCT
Hrvoje Bogunovic, MedUni Vienna

Pathology in the Digital World
Renate Kain, MedUni Vienna

Your Brain shows your Sex – Machine Learning in Gender Research
Pia Baldinger, MedUni Vienna

4.00 – 4:15 pm
Coffee break

4.15 – 5.30 pm
Session IV
Image Guided Interventions
Chair: Christian Loewe, Wolfgang Weninger, MedUni Vienna

Radiology Guided Therapies from Head to Toe
Florian Wolf, MedUni Vienna

MR guided Radiation Oncology: A Game Changer?
Dietmar Georg, MedUni Vienna

Intraoperative Molecular Imaging for Neurosurgical Interventions
Stefan Wolfsberger, MedUni Vienna

Integrating Nuclear Medicine and Pathology through AI
Alexander Haug, MedUni Vienna

5.30 – 6.00 pm
Best Poster Awards
Chair: Ursula Schmidt-Erfurth, Wolfgang Birkfellner, MedUni Vienna

---

6.00 pm
Get-together

For more information and registration visit our website: www.cluster.meduniwien.ac.at/mic

Scientific Committee
Ursula Schmidt-Erfurth
Wolfgang Birkfellner
Dietmar Georg
Marcus Hacker
Thomas Helbich
Rupert Lanzenberger
Siegfried Trattnig
Wolfgang Weninger

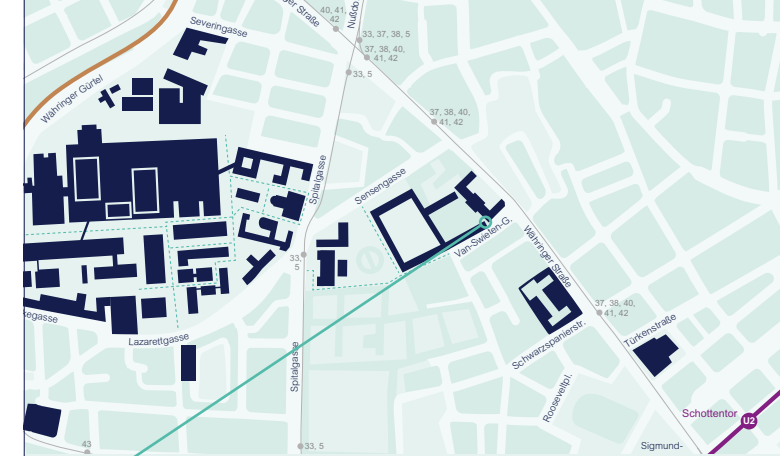DFP This event will be approved by the Austrian Medical Chamber with 8 DFP.

Van Swieten Saal, Medical University of Vienna
Van-Swieten-Gasse 1a
1090 Vienna

Organisation and contact
Medical Imaging Cluster
Medical University of Vienna
Ute Weber-Woisetschläger

Phone: +43 (0)1 40160-64015
E-Mail: mic@meduniwien.ac.at
www.cluster.meduniwien.ac.at/mic