

Winter school: Translational In Vivo Imaging

Date: 17.-19.02.2025

Organisation committee: Claudia Kuntner-Hannes, Ines Lopez Martinez, Thomas Wanek, Thomas Helbich

Location: Medical University of Vienna, Waehringer Guertel 18-20, 1090 Vienna
HSZ der MedUni Wien (AKH) E07_KR8

Day 1, 17.02.2025

- 9:00 – 10:30 Animal models of osteosarcoma, Javier Munoz (ICO cancer center, Nantes)
- 10:30 – 11:00 COFFEE BREAK
- 11:00 – 12:00 Ethics, principles, and sustainability: animal experiments, Marion Bankstahl (VetMed Vienna)
- Fundamentals of (pre)clinical imaging techniques and therapeutics:*
- 12:00 – 13:00 LUNCH BREAK
- 13:00 – 14:00 Radiotracers: small molecules, Severin Mairinger (MedUni Vienna)
- 14:00 – 15:00 Radiotracers: radiometals, Ines Lopez Martinez (MedUni Vienna)
- 15:00 – 15:30 COFFEE BREAK
- 15:30 – 16:30 Contrast agents for (pre)clinical Imaging, Irena Pashkunova (MedUni Vienna)
- 16:30 – 17:30 AI application in imaging, Roxane Licandro (MedUni Vienna)

Day 2, 18.02.2025

- Fundamentals of (pre)clinical imaging techniques and therapeutics:*
- 09:00 – 10:00 Magnetic resonance imaging (MRI), Martin Krssak (MedUni Vienna)
- 10:00 – 11:00 Positron-emission-tomography (PET) - clinic, Ivo Rausch (MedUni Vienna)
- 11:00 – 11:30 COFFEE BREAK
- 11:30 – 12:00 Positron-emission-tomography (PET) - preclinic, Claudia Kuntner-Hannes (MedUni Vienna)
- 12:00 – 12:40 Single-photon-emission computed-tomography (SPECT), Claudia Kuntner-Hannes (MedUni Vienna)
- 12:40 – 13:40 LUNCH BREAK
- 13:40 – 14:30 Errors in translation, Theresa Balber (MedUni Vienna)
- 14:00 – 15:00 Computed tomography (CT), Johann Hummel (MedUni Vienna)

15:00 – 15:30 COFFEE BREAK

15:30 – 16:30 Image analysis, Thomas Wanek (MedUni Vienna)

Day 3, 19.02.2025

9:00 – 10:00 Optical imaging, Richard Haindl (MedUni Vienna)

10:00 – 11:00 Ultrasound, Peter Pokreisz (MedUni Vienna)

11:00 – 11:30 COFFEE BREAK

11:30 – 12:30 Radiation therapy, Gerd Heilemann (MedUni Vienna)

12:30 – 13:30 LUNCH BREAK

13:30 – 14:30 Microscopy techniques, Kareem Elsayad (MedUni Vienna)

14:30 – 17:00 Visit to Preclinical Imaging laboratories (MedUni Vienna)