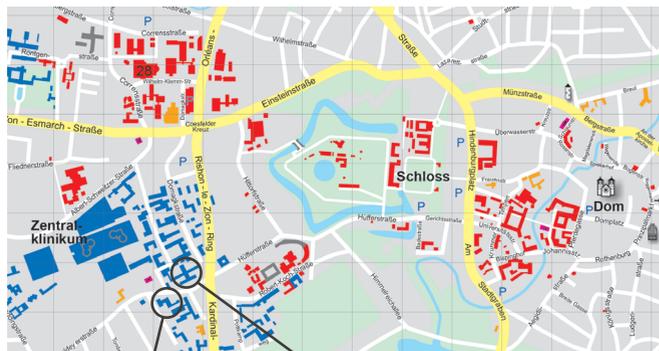


Locations & accomodation



**European Institute
for Molecular
Imaging (EIMI)**
Waldeyerstraße 15

**Translational
Research Imaging
Center (TRIC)**
Albert-Schweitzer-Campus 1,
Building A16

Hands-on teaching takes place at locations and laboratories that are in close proximity. Hotels and recommendations can be found on our website, www.mia.uni-muenster.de.

Registration

Fees

	Early bird rate (until Sept. 30 th 2018)	Regular rate
Students	EUR 850,-	EUR 1050,-
Regular attendees (Academic institutes)	EUR 1100,-	EUR 1300,-
Companies	EUR 1700,-	EUR 1900,-

Package includes

- Handout material
- All costs for tracers, contrast agents, animals etc. needed during the workshop
- Lunch on all workshop days
- Social event

Discounts and payment

Members of the German Association for Nuclear Medicine (DGN) receive a EUR 50,- discount. Please provide a confirmation of your DGN member number when registering. Upon registration you receive an invoice which is payable within two weeks.

Cancellation fees

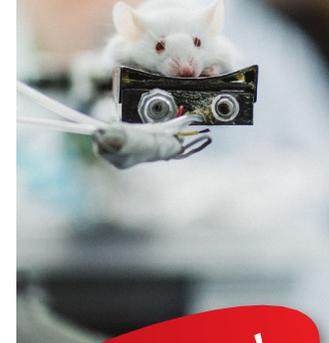
until September 30th 2018: EUR 50,-
until October 14th 2018: EUR 250,-
after October 14th 2018: full registration rate

Your contact

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eimi@uni-muenster.de

www.mia.uni-muenster.de



Hands-on!

9th Mouse Imaging Academy

5–9 November 2018

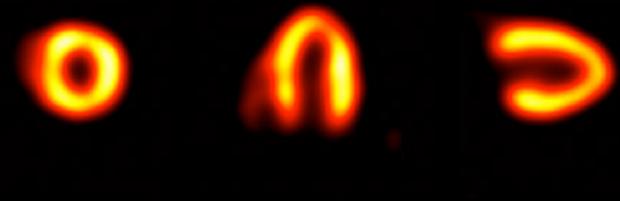
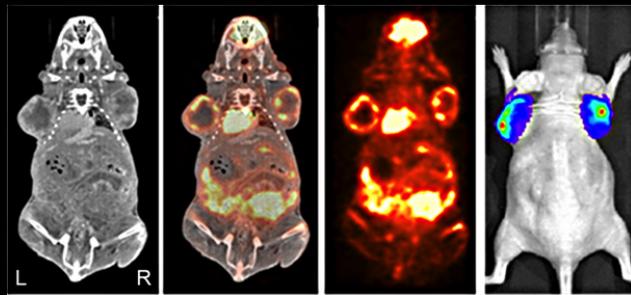
Münster, Germany

supported by:



Photos by Peter Leßmann





We reserve the right to make changes.

Welcome to MIA

Our interdisciplinary team invites you to join the training course on state-of-the-art imaging of mice, the *Mouse Imaging Academy (MIA)* at the University of Münster.

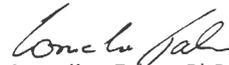
We will introduce you to a broad spectrum of dedicated imaging technologies including PET, SPECT, CT, MRI, mouse ultrasound and optical imaging. A special emphasis is on specific in-depth practical training sessions (hands-on with four participants max.) and interactive imaging data analysis at our training and demonstration facility (VisualLab). Each participant will work with animal models, apply various imaging modalities and explore multimodal image data sets.

Individuals with experience in small animal imaging as well as beginners are welcome to join our workshop.

CME credit points will be applied for the workshop from the Medical Association.

We are very much looking forward to seeing you in Münster,


Moritz Wildgruber, MD


Cornelius Faber, PhD


Sven Hermann, MD


Klaus Schäfers, PhD


Michael Schäfers, MD



Topics

- **Animal handling:** i.v./i.p. injection, tail vein catheter, anaesthesia, surgery
- **PET/SPECT:** static and dynamic scanning, CT fusion
- **CT:** *in vivo* scans +/- contrast agents, respiratory gating
- **MRI:** *in vivo* scans +/- contrast agents, cardiac & respiratory gating
- **Ultrasound:** hands-on scanning +/- contrast agents
- **Optical imaging:** fluorescence, bioluminescence, photoacoustic
- **Multimodal imaging:** PET/CT, PET/MRI, SPECT/CT
- **Image analysis:** methods, coregistration, quantification

Please note: Large portions of the workshop are held in radiation and/or S1/S2 gene technology safety areas where access for pregnant women is not permitted!

Agenda (Example for one group)

Monday

- 9:00–11:00 Plenary session
Introduction & animal handling
- 11:00–11:30 Coffee break
- 11:30–13:30 Plenary lecture: MRI
- 13:30–14:30 Lunch break
- 14:30–16:30 Hands-on session: MRI
- 17:00– Get together

Tuesday

- 8:30–10:30 VisualLab: introduction
- 10:30–11:00 Coffee break & transfer
- 11:00–13:00 Plenary lecture: Physics, Tracer Chemistry
- 13:00–14:00 Lunch break
- 14:00–16:00 Hands-on session: optical imaging
- 16:30 Lab tour: radiochemistry

Wednesday

- 8:30–10:30 VisualLab: advanced
- 10:30–11:00 Coffee break & transfer
- 11:00–13:00 Plenary lecture: PET, SPECT
- 13:00–14:00 Lunch break
- 14:00–16:00 Hands-on-session: surgery
- 16:30–18:30 Optional Hands-on: e.g. optoacoustic imaging

Thursday

- 8:30–10:30 Hands-on session: MRI - II
- 10:30–11:00 Coffee break & transfer
- 11:00–13:00 Plenary lecture: optical imaging
- 13:00–14:00 Lunch break
- 14:00–16:00 Hands-on session: ultrasound
- from 17:00 Social event

Friday

- 8:30–10:30 VisualLab: PET
- 10:30–11:00 Coffee break & transfer
- 11:00–13:00 Summary & evaluation
- 13:00 Lunch & farewell