Event Details

Session times
09:00 am – 18:00 pm: sessions in small groups
19:00 pm – 22:00 pm: hands-on training (voluntarily)

Accommodation & Transportation
Hotels can be found on our web page: www.isct.uni-tuebingen.de/wsic under "Teaching->Workshop"

More Information
For registration and further information please visit our website (www.isct.uni-tuebingen.de/wsic) or contact Mrs. Herbon by email

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Registrations Fees

Rates are listed for students / regular attendees (academic institutes) / companies. The seat for the workshop is only guaranteed if payment or at least proof of payment is received no later than the due date specified for the individual rates.

Early bird rate: 895 Euro / 1195 Euro / 1895 Euro
Registration until October 19, 2020
Payment until October 29, 2020

Reduced rate: 995 Euro / 1295 Euro / 1995 Euro
Registration until November 30, 2020
Payment until December 10, 2020

Regular rate: 1095 Euro / 1395 Euro / 2095 Euro
Registration after November 30, 2020
Payment due on January 8, 2021

The registration fee includes:
▪ handout materials
▪ lunch, dinner and coffee breaks for all workshop days
▪ all costs for tracer, contrast agents, animals, etc., needed during the workshop

Methods of payment:
▪ Credit card (+ 5% Credit card fee)
▪ Wiring

Cancellation fees:
Cancellation by October 30, 2020: 50 €
+ potential costs for transfer/wiring

Cancellation by December 11, 2020: 150 €
+ potential costs for transfer/wiring

Cancellation after December 11, 2020: 250 €
+ potential costs for transfer/wiring

Cancellation after January 8, 2021: The full registration fee will be due.

PLEASE NOTE: large portions of the workshop are held in radiation areas, where access for pregnant women is not permitted!
Invitation

Our small animal imaging workshop provides an overview on state-of-the-art small animal imaging modalities including PET, SPECT, 7 Tesla MRI, hyperpolarized imaging, intravital microscopy, fluorescence and bioluminescence optical imaging. A major focus will be on hands-on-training rather than on lectures; each attendee will have the opportunity to work with animals and the different imaging modalities. After the introductory lectures, we will establish smaller groups working on the different modalities based on a "rotation principle" (the program on the next page shows an exemplary agenda for one group).

Furthermore, in collaboration with the COST action COMULIS (Correlated Multimodal Imaging in Life Sciences), we are happy to offer travel stipends for our workshop. COMULIS is an EU-funded COST Action that aims at fueling urgently needed collaborations in the field of correlated multimodal imaging. Please visit https://www.comulis.eu/small-animal-imaging-workshop for further information on travel stipend eligibility.

We are very glad that we can offer the 15th hands-on driven Small Animal Imaging Workshop in Tübingen. Both, individuals with experience in small animal imaging as well as beginners are welcome to join this workshop.

We are looking forward to welcoming you to Tübingen in January 2021.

Julia Mannheim, PhD

Topics

- Animal handling
- PET
- CT
- SPECT
- 7 T MRI
- Optical imaging
- Autoradiography, biodistribution, gamma counter
- Image analysis
- Hyperpolarized imaging
- Simultaneous PET/MRI
- MR spectroscopy
- Intravital microscopy

Program

(Example for one Group)

Monday

09:00  Registration & Welcome Snack
10:00  Small Animal Multimodal Imaging I
12:00  Lunch
13:00  Lecture: Small Animal Multimodal Imaging II
15:00  Lecture: Small Animal Multimodal Imaging III
16:00  Lecture: Radiation Safety
16:30  Practice: Animal Handling
18:30  Dinner

Tuesday

09:00  PET
- Scan protocol & setup
- Phantom scan
- Dynamic F-18 scan
11:30  Lunch
12:30  PET
- Dynamic C-11 scan
- Image analysis
15:30  Intravital Microscopy
- Multi-photon microscopy
- Light-Sheet microscopy
18:00  Break/Dinner
19:00  Individual Hands-on-Training (voluntarily)

Wednesday

09:00  CT
- Scan protocol & setup
- Phantom scans
- Contrast agent pre & post injection
11:30  Lunch
12:30  SPECT
- Scan protocol & setup
- Phantom scans
- In vivo Tc99m scan
15:30  Optical Imaging
- Fluorescence in vivo & ex vivo imaging
- Bioluminescence in vivo & ex vivo imaging
18:00  Break/Dinner
19:00  Individual Hands-on-Training (voluntarily)

Thursday

09:00  7 T MRI
- Scan protocol & setup
- Anatomical scans
11:30  Lunch
12:30  7 T MRI
- Contrast agent
- Simultaneous PET/MRI
15:30  Lab Methods
- Cryosectioning
- Autoradiography
- Biodistribution
18:00  Break/Dinner
19:00  Individual Hands-on-Training (voluntarily)

Friday

09:00  MR Spectroscopy & Hyperpolarizer
- In vivo spectroscopy
- Preparation of 13C-labelled substrates
- In vivo scans upon injection of polarized substrates
11:30  Lunch

End of Workshop