



REGISTRATION FEE

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, 2018
Payment until October 29, 2018

Reduced rate: 995 Euro / 1295 Euro / 1995 Euro
Registration until November 30, 2018
Payment until December 10, 2018

Regular rate: 1095 Euro / 1395 Euro / 2095 Euro
Registration after November 30, 2018
Payment due on January 14, 2019

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 November 2, 2018: 50 €
+ potential costs for transfer/wiring

Cancellation by December 14, 2018: 150 €
+ potential costs for transfer/wiring

Cancellation after December 14, 2018: 250 €
+ potential costs for transfer/wiring

Cancellation after January 14, 2019:
The full registration fee will be due.

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



EVENT DETAILS

SESSION TIMES

9:00 am - 18:00 pm "sessions in small groups"
19:00 pm - 22:00 pm "hands-on-training" (voluntarily)

ACCOMODATION & TRANSPORTATION

Hotels can be found on our web page:
www.isct.uni-tuebingen.de/wsic under
"How to find us & Accommodation"

MORE INFORMATION

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

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14TH SMALL ANIMAL IMAGING WORKSHOP

January 28 – February 1, 2019

Department of Preclinical Imaging and Radiopharmacy

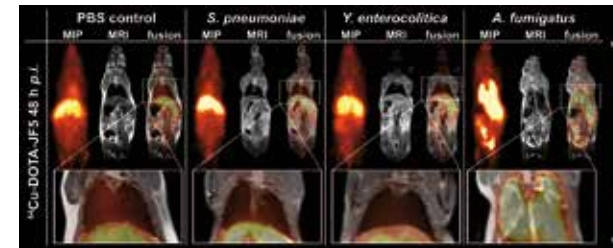
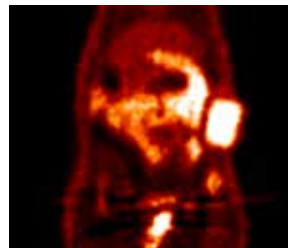
INVITATION

We intend to provide an overview on state-of-the-art small animal imaging modalities including PET, SPECT, 7 Tesla MRI, fluorescence and bioluminescence optical imaging. A major focus will be 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 as an exemplary agenda for one group). We are very glad that we can offer the 14th hands-on driven Small Animal Imaging Workshop at Tübingen. Both, individuals with experience in small animal imaging as well as beginners are welcome to join this workshop.

Bernd Pichler, PhD

TOPICS

- **Animal handling**
i.v./i.p. injection, tail vein catheter, anaesthesia, dissection, etc.
- **PET**
static + dynamic scan, attenuation correction, etc.
- **CT**
phantom scans, *in vivo* scans, contrast agents, etc.
- **SPECT**
in vivo scans, phantom scans, etc.
- **7 T MRI**
scan protocol setup, *in vivo* scans, contrast agent scans, cardiac and respiratory gating, use of different imaging sequences
- **Optical imaging**
in vivo + *in vitro* fluorescence, *in vivo* bioluminescence
- **Autoradiography, biodistribution, gamma counter**
- **Image analysis**
- **Hyperpolarized imaging**
- **Simultaneous PET/MRI**
- **MR spectroscopy**



PROGRAM

(Example for one Group)

Monday

- 09:00 Welcome Snack
- 10:00 Lecture: Animal Imaging
- 12:00 Lunch
- 13:00 Lecture: Animal Imaging Part II
- 15:30 Lecture: Radiation Safety
- 16:00 Practice: Animal Handling
- 18:00 Dinner

Tuesday

- 9:00 **PET**
 - How it works
 - Protocol setup
 - Static Scan
 - Dynamic Scan
- 11:30 Lunch
- 12:30 **PET**
 - Documentation
 - Image Analysis
 - Reconstruction
- 15:30 Image Analysis/Kinetic Modeling
- 18:00 Break/Dinner
- 19:00 Individual Hands-on-Training (voluntarily)



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Wednesday

- 09:00 **CT**
 - Scan Protocol
 - Scan Setup
 - Performing Scans
- 11:30 Lunch
- 12:30 **SPECT**
 - Scan Protocol
 - Scan Setup
 - Performing Scans
- 15:30 **Optical Imaging**
- 18:00 Break/Dinner
- 19:00 Individual Hands-on-Training (voluntarily)

Thursday

- 09:00 **7 T MRI**
 - Scan Protocol
 - Scan Setup
- 11:30 Lunch
- 12:30 **7 T MRI**
 - Contrast agent
 - Simultaneous PET/MRI
- 15:30 **Lab Methods**
 - Cryosectioning
 - Autoradiography
 - Cell labeling
 - Biodistribution
- 18:00 Break/Dinner
- 19:00 Individual Hands-on-Training (voluntarily)

Friday

- 09:00 **MR Spectroscopy & Hyperpolarizer**
- 11:30 Lunch

End of Workshop