



DEMONSTRATION WORKSHOP

Gene-encoded gas vesicles for molecular focused ultrasound imaging in cells

27.10.2022, 9:00 – 16:30

In this workshop we will demonstrate the capability of the new functional ultrasound technique and the use of gene-encoded gas vesicles in the field of preclinical imaging. The following techniques will be included in the training:

- Functional ultrasound imaging
- Cell engineering
- Wet lab techniques
- Imaging analysis

The demonstration will be given by Marjorie Buss (Caltech) and Lucas Freidel (WSIC).

Werner Siemens Imaging Center
Röntgenweg 13
72076 Tübingen

Prior registration is mandatory for participation. The number of participants is limited to 10 people.



Marjorie Buss



Lucas Freidel

Event Details

Symposium:

- Date: 25.10.2022 – 26.10.2022
- Location: Alte Aula
Münzgasse 30
72070 Tübingen
- The symposium will be a hybrid-event. You can attend in person or virtual. Both requires a registration.

Demonstration Workshop:

- Date: 27.10.2022
- Location: WSIC
Röntgenweg 13
72076 Tübingen
- in person
- limited to 10 participants
- mandatory registration - first come first served

Registration

<https://www.medizin.uni-tuebingen.de/go/NewHorizons>

There are no participation fees. Registration is free and catering is included.

For any needed help or upcoming questions please contact help.new-horizons@med.uni-tuebingen.de

Registration deadline

Oct 10, 2022

Imprint

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www.isct.uni-tuebingen.de/wsic
Röntgenweg 13
72076 Tübingen
GERMANY

University of Tübingen - Excellence Strategy

New Horizons Fellowship awarded to:

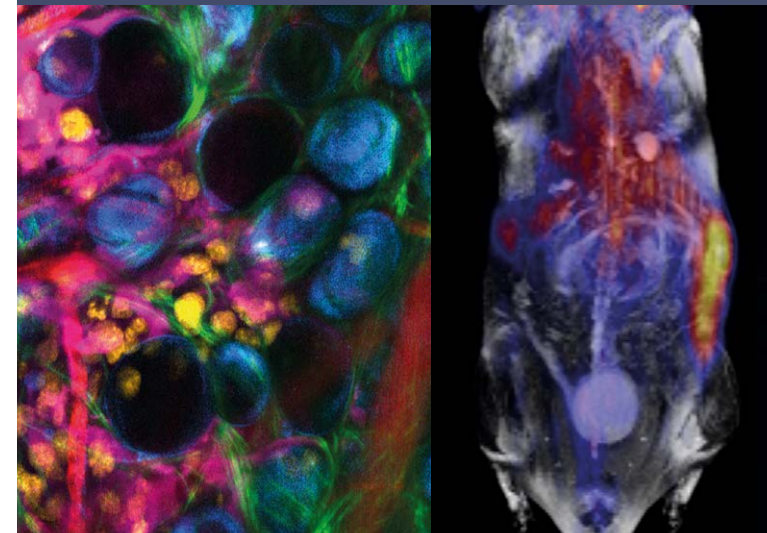
Prof. Mikhail Shapiro

NEW HORIZONS IN PRECISION MEDICAL IMAGING AND THERAPY Symposium

Oct 25-26, 2022

GENE-ENCODED GAS VESICLES FOR MOLECULAR FOCUSED ULTRA- SOUND IMAGING IN CELLS Workshop

Oct 27, 2022



EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN



Universitätsklinikum
Tübingen



INVITATION

The „New Horizons Fellowship“ symposium aims to bring leading scientists in imaging, oncology, microbiology, and translational sciences together and discuss new frontiers in these cross-sectional topics.

The symposium honors the excellent contributions of Prof. Mikhail Shapiro – awarded this year with the New Horizons Fellowship of the Excellence Strategy at the University of Tübingen – as a tribute to multidisciplinary research and diversity in science.

We are pleased to present this symposium and the demonstration workshop.

We look forward to welcoming you to the symposium and workshop in Tübingen!

Yours sincerely

Prof. Dr. André Ferreira Martins

Prof. Dr. Kristina Herfert

Prof. Dr. Bettina Weigelin



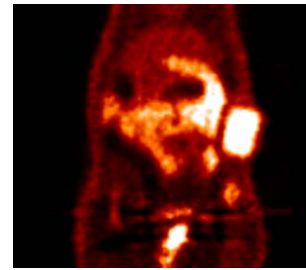
Prof. Martins



Prof. Herfert



Prof. Weigelin



PROGRAM SYMPOSIUM

Alte Aula

Münzgasse 30

72070 Tübingen

Tuesday, Oct 25, 2022, 09:00 - 16:30

9:00 Welcome

9:30 **Session 1: Technologies to study and engineer the microbiome**

- Prof. Mikhail Shapiro, Caltech
- Dr. Effie Bastounis, University of Tübingen
- Dr. James Marsh, MPI for Biology, Tübingen
- Prof. Lisa Maier, University of Tübingen

12:00 Lunch Break

13:30 **Session 2: Biomolecular and cellular ultrasound**

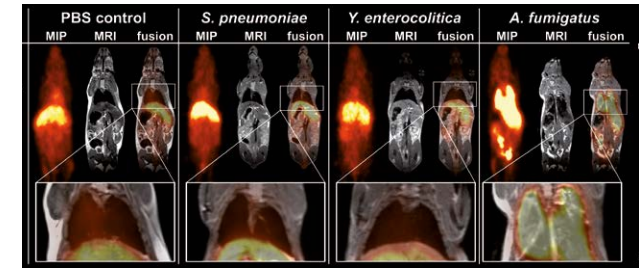
- Prof. David Maresca, Delft University of Technology
- Tudor Ionescu, Boehringer Ingelheim
- Prof. Mickael Tanter, Inserm, ESPCI Paris
- Marjorie Buss, Caltech

16:00 Panel discussion (Session 1 & 2)

16:30 End



Gefördert vom Bundesministerium für Bildung und Forschung (BMBWF) und dem Wissenschaftsministerium Baden-Württemberg im Rahmen der Exzellenzstrategie von Bund und Ländern.



Wednesday, Oct 26, 2022, 09:00 – 16:30

09:00 **Session 3: Cellular and molecular neuroimaging**

- Prof. Gil Westmeyer, TUM
- Dr. Yi Chen, MPI for Biological Cybernetics, Tübingen
- Prof. Michela Deleidi, DZNE Tübingen
- Prof. Kristina Herfert, WSIC Tübingen

11:30 Lunch Break

12:30 **Session 4: Imaging and control of cancer immunotherapy and immunodiagnostics**

- Dr. Leif Schröder, DKFZ Heidelberg
- Prof. André Martins, WSIC Tübingen
- Prof. Bettina Weigelin, WSIC Tübingen
- Dr. Christian Seitz, University Hospital Tübingen

15:30 Panel discussion (Session 3 & 4)

16:00 Closing

16:30 End

