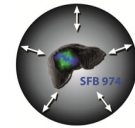
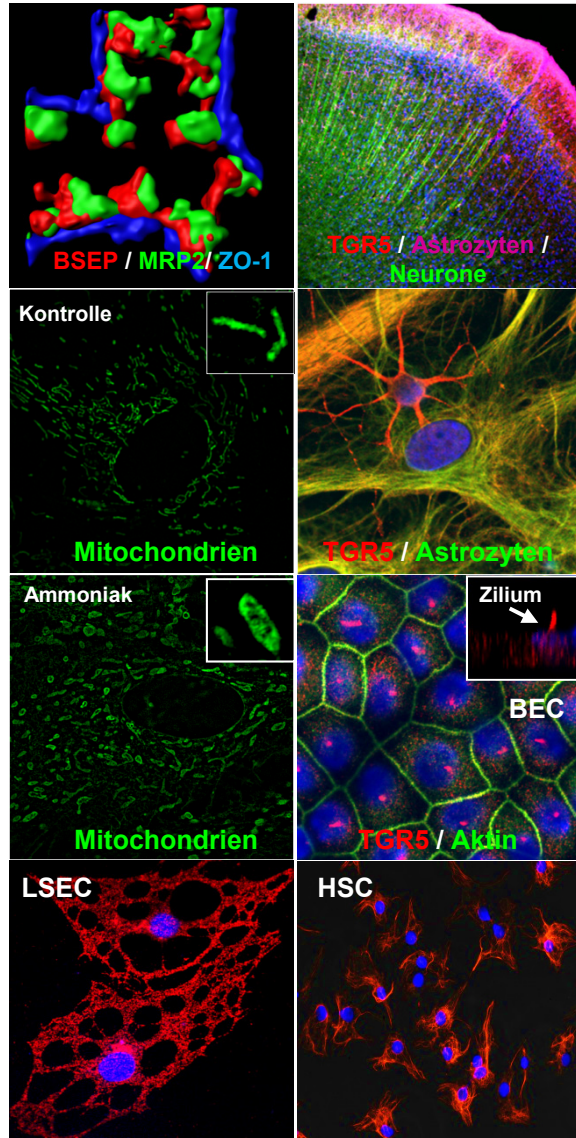


GASL Hands-On Workshop for young scientists January 20-21, 2016



SFB974

1. Isolation of non-parenchymal liver cells from mice/rats: HSC, LSEC, BEC including hands-on experience
2. Introduction to immunofluorescence microscopy techniques: confocal laser scanning microscopy, SR-SIM, STED, TIRF, FRET, Live Cell Imaging including demonstration



Program NPCs: 18 participants

20.01.2016:

- 12:00 Welcome and introduction to isolation techniques and cultivation techniques of different liver non-parenchymal cells (all together):
- 12:30 Small group: hands-on experience
Isolation of different cell types: 6 participants per group
HSC: Dr. C. Kordes, C. Rupprecht
Biliary epithelial cells: Prof. V. Keitel, Dr. M. Reich
LSEC: C. Klindt, J. Pauli

21.01.2016:

- 9:00-12:30 Small groups hands-on experience (as above)
- 12:30 Questions & Answers and Wrap Up

Program Microscopy: 18 participants

20.01.2016:

- 12:00 Welcome
- 12:10 Introduction to fluorescence microscopy techniques including superresolution microscopy
Dr. A. von Keller, Dr. F. Josten, Firma Zeiss
- 13:30 Small group: demonstrations: SR-SIM, STED, FRET, Live Cell Imaging, TIRF (6 participants per group)
Dr. B. Görg, Dr. L. Azer, Dr. S. Weidtkamp-Peters (Center for Advanced Imaging, HHU)

21.01.2016:

- 9:00-10:00 Seminar on FRET, STED, TIRF
- 10:00-12:30 Small groups demonstration (as above)
- 12:30 Questions & Answers and Wrap Up

The workshop is held together with *SFB 974* and with the friendly support of *Carl Zeiss Microscopy GmbH*

Registration: Email to GASL@med.uni-duesseldorf.de stating name, contact information, institution and interest in which workshop (NPC or microscopy).

The workshop is free of charge, however, participants are responsible for their own travel and accommodation. Places will be filled upon email entry. A maximum of 2 places per institution is possible. You will receive a confirmation email.

