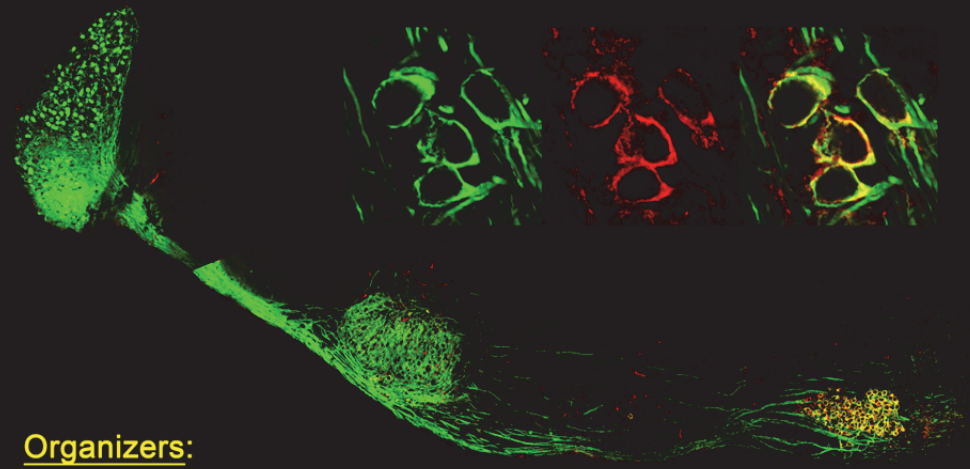
Targeted protein expression and conditional gene deletion in the auditory system

30th November - 3rd December 2014 at EPFL, Lausanne, Switzerland



Organizers:
Ralf Schneggenburger
Olexiy Kochubey

Faculty:
Thomas Kuner (Heidelberg)
Hans Gerd Nothwang (Oldenburg)
Lu-Yang Wang (Toronto)
Sam Young (MPI Florida)
Carl Petersen (EPFL)
Bernard Schneider (EPFL)
Olexiy Kochubey (EPFL)
Ralf Schneggenburger (EPFL)

The lecture series
(01.12. – 03.12.2014, 9:00 – 12:00)
is recognized as 1 day of continuing education
for animal experimentation.
Register at: http://goo.gl/WSvMaA
50,- Participation fee

DFG Priority Program Hearing & EPFL Methods Workshop

http://inscription.epfl.ch/index.php?form=MethodsWorkshop2014

Targeted protein expression and conditional gene deletion in the lower auditory brainstem

Organizers: **Ralf Schneggenburger, Olexiy Kochubey**
Venue: Ecole Polytechnique Fédérale de Lausanne (EPFL), 1015 Lausanne
Lectures: lecture hall SV-1717A

Program for lecture series

Monday, December 1st

9:00 - 9:10 Ralf Schneggenburger, EPFL: Welcome

9:10 - 10:00 Thomas Kuner, University of Heidelberg, Germany

"*Stereotactic methods for virus-based manipulations in the auditory brainstem of mice and rats*"

10:00 - 10:45 Bernard Schneider, EPFL

"*Viral vectors suitable for in-vivo protein overexpression in brain*"

10:45 - 11:15 Coffee break

11:15 - 12:00 Olexiy Kochubey, EPFL

"*Introduction to the course work: Practical aspects of stereotactic surgery and methods*"

DFG Priority Program Hearing & EPFL Methods workshop

Tuesday, December 2nd

9:00 - 9:45 Sam Young, MPI Florida, USA

"*Adenovirus-mediated approaches for molecular studies of synaptic transmission in brain slices*"

9:45 - 10:30 Gerd Nothwang, University of Oldenburg, Germany

"*Developmental aspects of auditory brainstem synapses and neurons and their positional and genetic identity*"

10:30 - 10:45 Coffee break

10:45 - 11:30 Ralf Schneggenburger, EPFL:

"*Conditional gene deletion and virus mediated rescue approaches in the auditory brainstem*"

Wednesday, December 3rd

9:00 - 9:45 Carl Petersen, EPFL

"*Optogenetic approaches in sensory-motor integration*"

9:45 - 10:15 Coffee Break

10:15 - 11:00 Lu-Yang Wang; Toronto

"In-utero electroporation for protein expression in the lower auditory system"

11:00 - 11:30 Final Discussion, and Departure.

DFG PP 1608

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