## Bench to Bedside Symposium: Friday, 2nd February 2018

**Pharmazentrum, Hörsaal 1**
Klingelbergstrasse 50/70, 4056 Basel

### Keynote lecture 1

**Chaired by:** Josef Bischofberger (DBM)

09:10 - 09:55 **Kelly Bales** (Roche) *Title to be announced*

### Session 1: “The auditory system in health and disease”

**Chaired by:** Tania Rinaldi Barkat (Department of Biomedicine, University Hospital Basel)

- **09:55 - 10:00** Introduction to the session
- **10:00 - 10:25** Daniel Bodmer (Dep. of Biomedicine, University Hospital Basel) *Hearing loss: From the lab to the clinic*
- **10:25 - 10:50** Jan Gründermann (Dep. of Biomedicine, University Hospital Basel) *Tuning fear: Auditory response dynamics in emotional behaviours*
- **10:50 - 11:15** Ralf Scheggenburger (EPFL, Lausanne) *GABA regulation of inhibitory plasticity: A new mechanism for remodeling cortical sound representation*

#### 11:15 - 11:45 Coffee Break

### Session 2: “Stroke – acute and chronic disease mechanisms and diagnostic aspects”

**Chaired by:** Leo Bonati (Department of Clinical Research, University Hospital Basel)

- **11:45 - 11:50** Introduction to the session
- **11:50 - 12:15** Raphael Guzman (Dep. of Biomedicine, University Hospital Basel) *Stroke and neuroinflammation*
- **12:15 - 12:40** Philippe Lyser, Nils Peters, Marie-Françoise Ritz (Dep. of Biomedicine, University Hospital Basel) *Gene expression in human cerebral small vessel disease*
- **12:40 - 13:05** Mathieu Sarracanie (Dep. of Biomedical Engineering, Allschwil, University of Basel) *Adaptable MRI Technology: Implications for stroke imaging*

#### 13:05 - 14:20 Lunch

13:30 - 14:00 Lunchmeeting: General Assembly Neuroscience Network Basel (for NNB members)

### Session 3: “Neuroscience of social interaction and decision making”

**Chaired by:** Andreas Papassotiropoulos (Transfaculty Research Platform Molecular and Cognitive Neurosciences, University of Basel)

- **14:20 - 14:25** Introduction to the session
- **14:25 - 14:50** Phil Tobler (Dep. of Economics, University of Zurich) *Value-based social decisions in the human brain*
- **14:50 - 15:15** Nora Raschle (University Psychiatric Clinics, Basel) *Neural correlates of emotion regulation in youths with and without conduct disorder*
- **15:15 - 15:40** Sebastian Gluth (Faculty of Psychology, University of Basel) *Neural and cognitive mechanisms of a memory bias in decision making*

#### 15:40 - 16:10 Coffee Break

### Keynote lecture 2

**Chaired by:** Rainer Friedrich (Friedrich Miescher Institute for Biomedical Research, Basel)

16:10 - 16:55 **Alexander Schier** (Biozentrum, University of Basel) *Single cell analysis of brain development*

#### 16:55 - 17:00 Closing remarks: Nicole Schaeren-Wiemers (Department of Biomedicine)

17:00 - 17:30 Credit points for ‘Tierversuchsleiter’ (to be confirmed, please check the symposium website!)