

## List of research projects funded in 2018

### IRP RESEARCH GRANTS

#### FUNDAMENTAL RESEARCH

- 1 Tuan Bui**, University of Ottawa, Canada  
*Targetting dl3 interneurons for the recovery of lost locomotor function following SCI*  
**CHF 150'000.- over 2017/2018**
- 2 James Fawcett**, Cambridge University Centre for Brain Repair, United Kingdom  
*Reconstruction of the SC sensory pathway*  
**CHF 150'000.- over 2017/2018**
- 3 Aya Takeoka**, Neuroelectronics Research Flanders (NERF), VIB, Belgium  
*Revealing age-dependent locomotor circuit plasticity after SCI*  
**CHF 150'000.- over 2017/2018**
- 4 Grégoire Courtine**, Campus Biotech/EPFL, Switzerland  
*Harnessing spinal electrical stimulation to modulate and rehabilitate autonomic function after SCI*  
**CHF 150'000.- over 2018/2019**
- 5 Claire Jacob**, University of Fribourg, Switzerland  
*Enhance remyelination in young and old adults by modulating chromatin-remodelling enzyme expression and activity*  
**CHF 150'000.- over 2018/2019**

#### CLINICAL RESEARCH

- 6 Patrick Freund**, Balgrist University Hospital, Switzerland  
*MRI investigation of trauma induced structural spinal changes: a longitudinal prospective study*  
**CHF 87'000.- over 2017/2018**
- 7 John Kramer**, ICORD, Canada  
*High throughput of clinical trial data: how commonly used drugs affect neurological outcomes*  
**CHF 106'000.- over 2017/2018**
- 8 Carolin Weiss Lucas**, University Hospital Cologne, Germany  
*Focused non-invasive modulation of motor network changes to improve spasticity in SCI*  
**CHF 80'000.- over 2017/2018**

### IRP POSTDOCTORAL FELLOWSHIP

No IRP Postdoctoral Fellowship has been selected for 2018.

### IRP SCHELLENBERG RESEARCH PRIZE 2018

Awarded by the IRP Scientific Committee to

**Prof. Claire Jacob**, University of Fribourg, Switzerland

**Prof. Magdalena Götz**, Helmholtz Zentrum München, Germany

**CHF 100'000.-** to be shared by the two professors.

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