BMI RETREAT 2015
18-19 June / Haute-Nendaz.
**Thursday**

10:15       Arrival
10:15-10:45 Hotel registration and coffee
10:50-11:00 Welcome, Carmen Sandi
11:00-12:00 **Session 1 / Neurodegeneration**
Chair: Johannes Gräff
Pamela Valdes (LEN), Modeling the Tau pathology using viral vectors for the development of novel therapeutic approaches in Alzheimer’s disease
Jose Sanchez Mut (UPGRAEFF), DNA methylation alterations in Alzheimer’s disease
Bilal Fares (LMNN), Towards reproducing Parkinson’s disease human pathology in cellular and animal models of PD

12:00-13:30 Lunch
13:30-14:30 **Session 2 / Computational Neuroscience**
Chair: Michael Herzog
Kathryn Hess, Topology: a mathematical toolbox for neuroscience
Wulfram Gerstner, How to model neuroscience?
Michael Herzog, Individuals

14:30-18:00 Social events
18:00-19:00 Free time
19:00-20:30 Dinner
20:30-22:00 Poster Session

**Friday**

08:30-09:30 Breakfast
09:30-10:30 **Session 3 / Synapses and Learning**
Session chair: Ralf Schneggenburger
Rodrigo Perin (LNMC), Cell-type-dependent extracellular correlates of intracellular spiking
Ralf Schneggenburger, Spike-timing dependent plasticity at inhibitory synapses
Carmen Sandi, Learning and behavioral disruptions resulting from impaired developmental neuroplasticity

10:30-11:15 Coffee break
11:15-12:15 **Session 4 / Neurotechniques**
Chair: Carl Petersen
Johannes Mayrhofer (LSENS), Two-photon calcium imaging in tongue related motor cortex of mouse during a detection task
Jean Baptiste Mignardot (G-lab), Translational neuroprosthetics technologies to improve motor recovery after spinal cord injury
Graham Knott, Current advances in brain ultrastructural analysis

12:15-13:00 BMI Thesis Prize ceremony with presentations of the 2 awardees
13:00-14:30 Lunch
14:30 End of meeting / Bus Departure