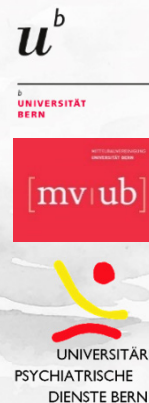# Workshop: Closing Loops in Cognitive Neuroscience

January 21 - 22, 2019
University of Bern, Fabrikstrasse 2e, Bern, Switzerland

The workshop will provide an overview of emerging closed-loop approaches and their significant value in basic research as well as clinical applications.

Registration: via the workshop webpage www.clicn2019.com (free of charge)

Organizers: Kristoffer Fehér & Annegret Habich

Monday January 21, 2019

09:00 - 10:00	**Welcome, registration & coffee**	
10:00 - 10:15	**Introduction & overview of the workshop**	Annegret Habich
10:15 - 11:00	**Opening lecture:**	Kristoffer Fehér
	Closing Loops in Cognitive Neuroscience	Annegret Habich
11:00 - 12:30	**Keynote lecture (incl. chaired discussion):**	Til Ole Bergmann
	Brain state-dependent brain stimulation	
12:30 - 13:30	Lunch	
13:30 - 15:00	**Keynote lecture (incl. chaired discussion):**	Hong-Viet Ngo
	Bolstering memory consolidation with auditory closed-loop stimulation during sleep	
	Coffee Break (30 minutes)	
15:30 - 16:15	**EEG closed-loop auditory stimulation during sleep: A novel microstate-based approach**	Simon Ruch Flavio Schmidig
16:15 - 17:00	**Lecture: to be announced**	

Tuesday January 22, 2019

10:00 - 10:10	**Introduction & overview of the day**	Kristoffer Fehér
10:10 - 11:40	**Keynote lecture (incl. chaired discussion):**	Romy Lorenz
	Neuroadaptive Bayesian Optimization – Implications for the Cognitive Sciences	
11:40 - 12:25	**Lecture: to be announced**	
12:25 - 13:30	Lunch	
13:30 - 15:00	**Keynote lecture (incl. chaired discussion):**	Ujwal Chaudhary
	Brain-computer interfaces for communication and rehabilitation	
	Coffee Break (15 minutes)	
15:15 - 16:00	**Neurofeedback**	Thomas Koenig
16:00 - 16:30	**Hands-on session, neurofeedback**	Thomas Koenig
16:30 - 17:00	**Concluding lecture & wrap-up:**	Kristoffer Fehér
	Closing Loops in Cognitive Neuroscience	Annegret Habich