## BRAIN MIND INSTITUTE SYMPOSIUM

## CONTROLLING BEHAVIOR IN ANIMALS AND ROBOTS

## MONDAY 3TH DECEMBER 2018

	MONDAL OTT BEGENBER 2010
08:20-08:50	Registration
08:50-09:00	Opening
Session 1 Chair	Embodied robots and computational models Auke ljspeert
09:00-09:30	Yulia Sandamirskaya (University of Zurich, Zurich, Switzerland) "Neuronal Dynamics of Action Representation, Execution, and Learning"
09:30-09:40	Discussion
<b>09:40-09:55</b> 09:55-10:00	Short Talk: TBD Discussion
10:00-10:30	Mitsuo Kawato (ATR, Kyoto, Japan) "Decoded neurofeedback and consciousness for learning from a small sample"
10:30-10:40	Discussion
10:40-11:10	Coffee break
11:10-11:40	<b>Terry Stewart</b> (University of Waterloo, Waterloo, Canada) "Designing and Learning Cognitive Control with a Spiking Model of the Cortex-Basal Ganglia-Thalamus Loop"
11:40-11:50	Discussion
11:50-12:05 12:05-12:10	Short Talk: TBD Discussion
12:10-12:40	Barbara Webb (University of Edinburgh, Edinburgh, UK) TBD
12:40-12:50	Discussion
12:50-14:00	<u>Lunch &amp; Poster Session</u>
Session 2 Chair	Decision making and action selection Carl Petersen
14:00-14:30	Tony Prescott (University of Sheffield, Sheffield, UK) TBD
14:30-14:40	Discussion
14:40-14:55 14:55-15:00	Short Talk: TBD Discussion
15:00-15:30	<b>Daniel Huber</b> (University of Geneva, Geneva, Switzerland) "Cortical circuit dynamics underlying neuroprosthetic learning."
15:30-15:40	Discussion

15:40-16:10	Coffee break
16:10-16:40	Rui Costa (Columbia University, New York, USA) TBD
16:40-16:50	Discussion
16:50-17:05 17:05-17:10	Short Talk: TBD Discussion
17:10-17:40	Stefan Schaal (University of Southern California, Los Angeles, USA) TBD
17:40-17:50	Discussion
18:00-21:00	Poster Session / Wine & Cheese
	TUESDAY 4TH DECEMBER 2018
Session 3 Chair	Motor control Pavan Ramdya
08:30-09:00	<b>Silvia Arber</b> (Biozentrum, University of Basel, Basel, Switzerland) "Circuit Solutions for Programming Actions"
09:00-09:10	Discussion
<b>09:10-09:25</b> 09:25-9:30	Short Talk: <b>TBD</b> Discussion
<b>9:30-10:00</b> 10:00-10:10	<b>Silvia Daun</b> (University of Cologne, Cologne, Germany) "Mathematical modelling of the neural control of 6-legged locomotion" Discussion
10:10-10:40	Coffee break
<b>10:40-11:10</b> 11:10-11:20	Mackenzie Mathis (Harvard University, Cambridge, USA) "Dissecting the circuits of motor adaptation in mice" Discussion
<b>11:20-11:35</b> 11:35-11:40	Short Talk: TBD Discussion
11:40-12:10	Ansgar Buschges (University of Cologne, Cologne, Germany) TBD
12:10-12:20	Discussion
12:20-12:30	Final - common discussion and farewell
12:30	Possibility for Lunch at EPFL