

# Preliminary Program NeuroBridges 2019 (February, 24, 2019)

## Sunday, September 8

- 18:30-20:00 Welcome Dinner  
20:00-22:00 Paper assignment

## Monday, September 9

- 09:00-10:45 **Rafal Bogacz**  
“Models of information integration during decision making (e.g. diffusion model)”
- 10:45-11:15 Coffee Break
- 11:15-13:00 **Ido Erev**  
“Decisions under risk”
- 13:00-14:30 Lunch
- 14:30-16:15 **Athena Akrami**  
“Past matters: Sensory stimulus history in the brain and its impact on behaviour”
- 16:15-16:45 Coffee Break
- 16:45-18:30 **Mehdi Khamassi**  
“Initiation to Reinforcement Learning at the crossroads between Neuroscience, Machine Learning and Robotics”
- 18:30-20:00 Dinner
- 20:00-22:00 Group work on papers

## Tuesday, September 10

- 09:00-10:45 **Rafal Bogacz**  
“Models of reinforcement learning”
- 10:45-11:15 Coffee Break
- 11:15-13:00 **Mehdi Khamassi**  
“Online adaptive coordination of model-based and model-free reinforcement learning systems in the brain”
- 13:00-14:30 Lunch
- 14:30-16:15 Group work on papers
- 16:15-16:45 Coffee Break
- 16:45-18:30 Group work on papers

18:30-20:00 Dinner  
20:00-22:00 Group work on papers

## Wednesday, September 11

09:00-10:45 **Mehdi Khamassi**  
"Model-based and model-free offline reactivations accounting for Hippocampal Preplay and reply"

10:45-11:15 Coffee Break

11:15-13:00 **Rafal Bogacz**  
"Models of basal ganglia"

13:00-14:30 Lunch

14:30-16:15 Journal clubs

16:15-16:45 Coffee Break

16:45-18:30 Journal clubs

18:30-20:00 Dinner

20:00-22:00 Project assignment

## Thursday, September 12

09:00-10:45 **Ido Erev**  
"The description-experience gap"

10:45-11:15 Coffee Break

11:15-13:00 **Merav Ahissar**  
"Failure is skill acquisition - cognitive and brain mechanisms underlying dyslexia and Autism -: failure in statistical learning impedes the acquisition of skilled task-relevant Decisions"

13:00-14:30 Lunch

14:30-16:15 **Thomas Boraud**  
TBA

16:15-16:45 Coffee Break

16:45-18:30 **Athena Akrami**  
"Past matters: Ambiguous patterns and long term memory; an auto associative network model"

18:30-20:00 Dinner

20:00-22:00 Group work on project

## Friday, September 13

09:00-10:45	<b>Merav Ahissar</b> "The role of up streams and down streams in perception. - : hierarchies and perceptual Decisions"
10:45-11:15	Coffee Break
11:15-13:00	<b>Ido Erev</b> "Learning and the contingencies of reinforcements"
13:00-14:30	Lunch
14:30-16:15	<b>Yonatan Loewenstein</b>
16:15-16:45	Coffee Break
16:45-18:30	Group work on projects
18:30-20:00	Dinner
20:00-22:00	Free

## Saturday, September 14

09:00-10:45	Free
10:45-11:15	Coffee Break
11:15-13:00	Visit Abbey
13:00-14:30	Lunch
14:30-16:15	<b>Najib Majaj</b> TBA
16:15-16:45	Coffee Break
16:45-18:30	<b>Thomas Boraud</b> TBA
18:30-20:00	Dinner
20:00-22:00	Group work on projects

## Sunday, September 15

09:00-10:45	<b>Najib Majaj</b> TBA
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10:45-11:15	Coffee Break
11:15-13:00	<b>Mathew Diamond</b> “How much is enough? Collecting sensory signals to reach a decision
13:00-14:30	Lunch
14:30-18:30	Hike
18:30-20:00	Restaurant dinner
20:00-22:00	Group work on projects

## Monday, September 16

09:00-10:45	<b>Mathew Diamond</b> “How does a sensory experience get stored in memory differently according to Behavioral task?”
10:45-11:15	Coffee Break
11:15-13:00	<b>Merav Ahissar</b> “Skill acquisition - task specific inference of stimuli statistics. -: the acquisition of skilled task-relevant decisions”
13:00-14:30	Lunch
14:30-16:15	<b>Thomas Boraud</b>  TBA
16:15-16:45	Coffee Break
16:45-18:30	Group work on projects
18:30-20:00	Dinner
20:00-22:00	Visit Museum

## Tuesday, September 17

09:00-10:45	<b>Najib Majaj</b> TBA
10:45-11:15	Coffee Break
11:15-13:00	<b>Mathew Diamond</b> “How the brain (imperfectly) extracts two distinct percepts from a single sensory event”
13:00-14:30	Lunch
14:30-16:15	Group work on projects
16:15-16:45	Coffee Break

16:45-18:30	Group work on projects
18:30-20:00	Dinner
20:00-22:00	Group work on projects

## Wednesday, September 18

09:00-10:45	Group work on projects
10:45-11:15	Coffee Break
11:15-13:00	Group work on projects
13:00-14:30	Lunch
14:30-16:15	Project presentations
16:15-16:45	Coffee Break
16:45-18:30	Project presentations
18:30-20:00	Dinner
20:00-24:00	Farewell party

## Thursday, September 19

**Departure**