

TEX2018 M-GATE School: Under the Surface of Memory Phenomena

Monday, June 25, 2018 - Tuesday, July 3, 2018

SISSA

Scientific Program



Monday 25

9:30-11:00 Alessandro Treves: Phase transitions in the evolution of memory systems

11:00-11:30 coffee break

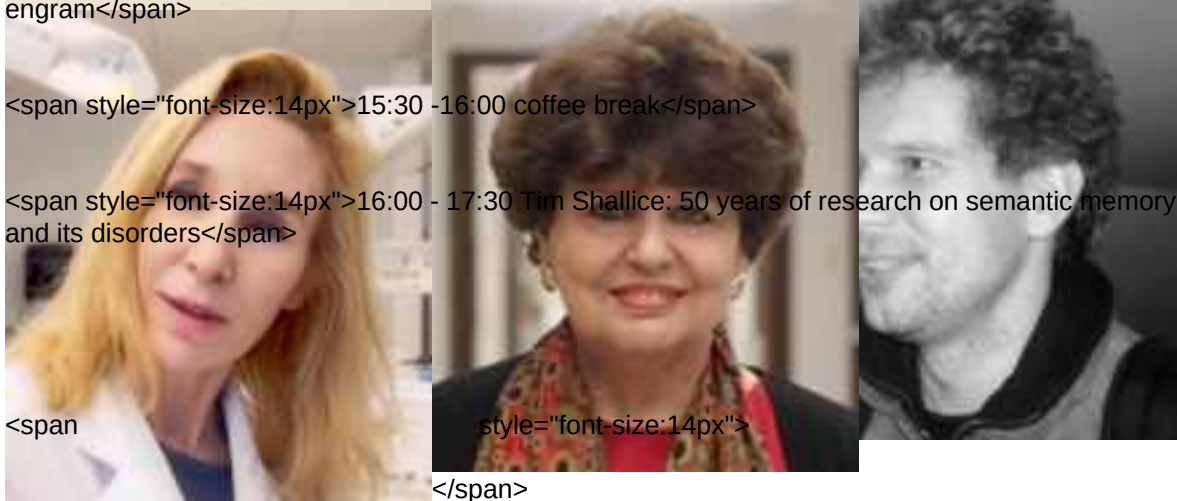
11:30-13:00 Faraneh Vargha-Khadem: Dissociations in cognitive memory in Developmental Amnesia

13:00 - 14:00 Lunch

14:00 - 15:30 Sheena Josselyn: Finding and manipulating an engram

15:30 -16:00 coffee break

16:00 - 17:30 Tim Shallice: 50 years of research on semantic memory and its disorders



Tuesday 26

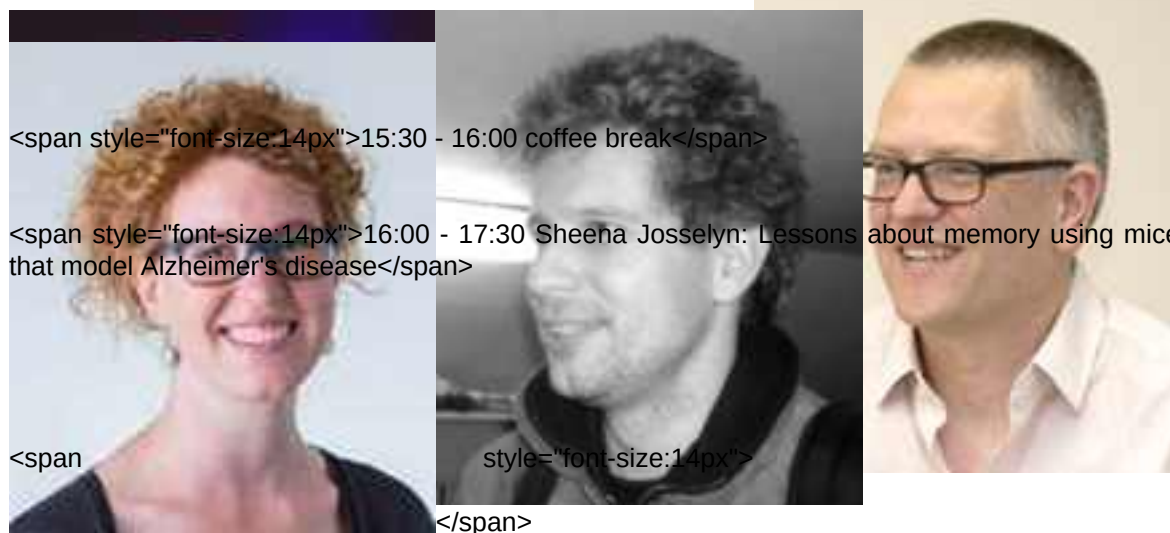
9:30 - 11:00 Steffen Gais: Sleep and Memory: human research

11:00 - 11:30 coffee break

11:30 - 13:00 Paul Frankland: Hippocampal neurogenesis and forgetting: From infantile amnesia to generalization

13:00 - 14:00 Lunch

14:00 - 15:30 Faraneh Vargha-Khadem: FOXP2 and the neurobiology of speech and language



Wednesday 27

9:30 - 11:00 Paul Frankland: Memory organization: from engrams to systems consolidation

11:00-11:30 coffee break

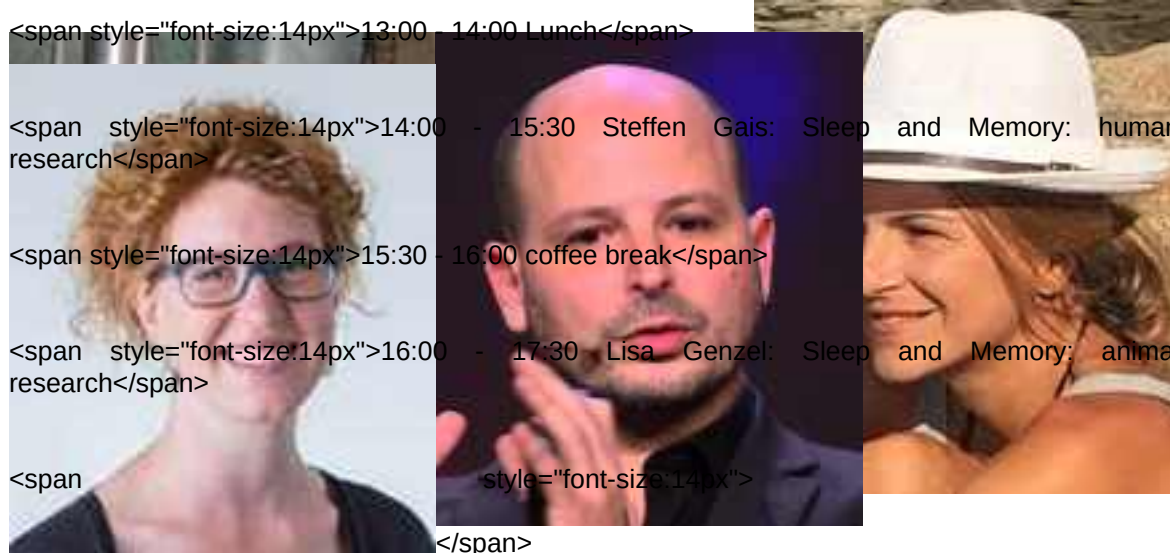
11:30 - 13:00 Karim Benchenane: Oscillations and reorganization of the hippocampo-prefrontal network in learning

13:00 - 14:00 Lunch

14:00 - 15:30 Steffen Gais: Sleep and Memory: human research

15:30 - 16:00 coffee break

16:00 - 17:30 Lisa Genzel: Sleep and Memory: animal research



Thursday 28

9:30 - 11:00 Elisa Ciaramelli: Episodic simulation: neural bases and role in decision making and spontaneous cognition

11:00 - 11:30 coffee break

11:30 - 13:00 Liset M De La Prida: Surfing into the hippocampus: a deep-superficial perspective of memory function

13:00 - 14:00 Lunch

14:00 - 15:30 Karim Benchenane: Explicit memory creation during sleep

15:30 - 16:00 Lunch

16:00 - 17:30 Lisa Genzel: Group puzzle: design a sleep study

Friday 29

9:30 - 11:00 Liset M De La Prida: Bad dancer: hippocampal rhythmopathies of memory dysfunction

11:00 - 11:30 coffee break

11:30 - 13:00 Edmund Rolls: Hippocampal neurophysiology and computation for episodic memory

13:00 - 14:40 lunch and transfer to ICTP

14:40-16:00 Emilio Kropff: ICTP Prize lecture (Leonardo Building Budinich Lecture Hall of ICTP)

16:30-18:00 Freyja Ólafsdóttir: i) The hippocampus and spatial memory: from cells to systems; ii) The role of hippocampal replay in learning and memory (Euler lecture hall of ICTP)

Saturday 30

Remembering Daniel Amit, and Beyond

9:30-11:00 Francesco Battaglia ushers the Cognitive phase:

Yali Amit

Sandro Romani

11:30-13:00 Paolo del Giudice ushers the Implementation phase:

Gianluigi Mongillo

Giancarlo LaCamera

Maurizio Mattia

13:00-14:30 lunch at La Nuova Mormorazione, in front of SISSA,

14:30:16:00 Nava Rubin ushers the Network phase:

Nicolas Brunel

Stefano Fusi

Edmund Rolls

16:30-18:00 Remi Monasson ushers the Disordered phase:

Giorgio Parisi

Misha Tsodyks

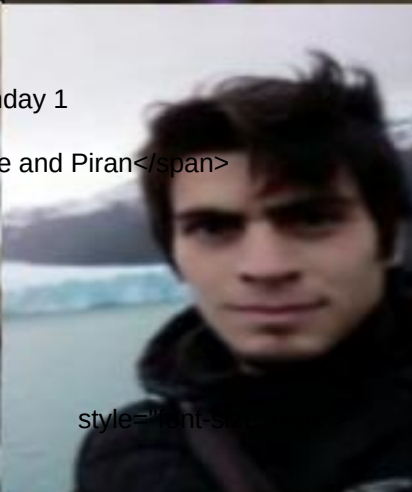
Hossein Abbasian

at Caffé San Marco from 19:30

Cristiana Baldazzi tells us about forgotten voices from Beyond



ogramWednesday, December 17, 2025



Sunday 1

9:30-22:30 Excursion to Hrastovlje and Piran

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Monday 2

9:30 - 11:00 Misha Tsodyks: Synaptic theory of working memory and its capacity

11:00 - 11:30 coffee break

11:30 - 13:00 Christophe Bernard: A late Introduction to the Study of Experimental Neuroscience

13:00 - 14:00 Lunch

14:00 - 15:30 Francesco Battaglia: Replay of rule-learning related neural patterns during sleep

15:30 - 16:00 coffee break

16:00 - 18:00 Research talks

Ines Samengo: Color memory

Marco Mainardi: From cellular memories to synaptic engrams

Federico Stella: Patterns in sleep reactivation

Tuesday 3

Research talks by participants

9:30-11:00 Charline Tessereau, Lucie Descamps, Eva-Maria

Griesbauer, Lorenzo Posani, Alejandra Alonso

11:00 - 11:30 coffee break

11:30-13:00 Kacper Kondrakiewicz, Soledad Gonzalo Cogno, Iván Davidovich, Kamil Filip Tomaszewski

13:00 - 14:00 Lunch

14:00-15:30 Nicolás Vattuone, Wesley Clawson, Edyta Balcerek, Tomasz Nikolaev

15:30 - 16:00 coffee break

16:00-18:00 Weronika Szadzinska, Mohammadreza Soltanipour, Hala Khalawi & Shafa Jaffal