

# **Structural learning by the brain**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome coffee

*Monday, March 6, 2023 9:00 AM (30 minutes)*

Contribution ID: 2

Type: **not specified**

## **Olivier Faugeras: Mathematical neuroscience**

*Monday, March 6, 2023 9:30 AM (1 hour)*

Contribution ID: 3

Type: **not specified**

## **Risto Ilmoniemi: Randomness in the brain: TMS versus sensory stimulation**

*Monday, March 6, 2023 11:00 AM (1 hour)*

Contribution ID: 4

Type: **not specified**

## **Florent Meyniel: Is human statistical learning Bayesian?**

*Monday, March 6, 2023 3:00 PM (1 hour)*

Contribution ID: 5

Type: **not specified**

## Coffee break

*Monday, March 6, 2023 4:00 PM (30 minutes)*

Contribution ID: 6

Type: **not specified**

## **Sonja Gruen: Higher-order spike patterns in cortex and models**

*Monday, March 6, 2023 4:30 PM (1 hour)*

Contribution ID: 7

Type: **not specified**

## **Gilles Laurent: Exploring the space of neural systems dynamics**

Contribution ID: 8

Type: **not specified**

## **Sonja Gruen: Higher-order spike patterns in cortex and models**

Contribution ID: 9

Type: **not specified**

## **Wojciech Szpankowski: Structural and temporal information**

Contribution ID: **10**

Type: **not specified**

## **Coffe break**

Contribution ID: 11

Type: **not specified**

## **Risto Ilmoniemi: Randomness in the brain: TMS versus sensory stimulation**

Contribution ID: 12

Type: **not specified**

## **Leonardo Cohen: Consolidation of human skill linked to waking hippocampo-neocortical replay**

*Wednesday, March 8, 2023 9:30 AM (1 hour)*

Contribution ID: 13

Type: **not specified**

## **Vikram Chib: Subjective valuation of effort.**

*Wednesday, March 8, 2023 11:00 AM (1 hour)*

Contribution ID: 14

Type: **not specified**

## **Claudia D. Vargas: The goal-keeper game: predicting upcoming events by the brain.**

*Wednesday, March 8, 2023 3:00 PM (1 hour)*

Contribution ID: 15

Type: **not specified**

## Coffee break

*Wednesday, March 8, 2023 4:00 PM (30 minutes)*

Contribution ID: 16

Type: **not specified**

## **Bill Lytton: Avalanches in primary motor cortex**

*Wednesday, March 8, 2023 4:30 PM (1 hour)*

Contribution ID: 17

Type: **not specified**

**Cocktail and poster session with a short oral  
introduction: Fernando Najman, Paulo Passos, Bia  
Ramalho, Victor Hugo Souza, Noslen Hern\'andez,  
Renan Shimoura, Raquel Carvalho**

*Thursday, March 9, 2023 5:30 PM (2 hours)*

Contribution ID: 18

Type: **not specified**

**Cocktail and poster session with a short oral  
introduction: Fernando Najman, Paulo Passos, Bia  
Ramalho, Victor Hugo Souza, Noslen Hern\'andez,  
Renan Shimoura, Raquel Carvalho**

Contribution ID: **19**

Type: **not specified**

## **Aline Duarte: Retrieving context trees from EEG data**

*Thursday, March 9, 2023 9:30 AM (1 hour)*

Contribution ID: 20

Type: **not specified**

## **Daniel Fraiman: An ANOVA approach for statistical comparisons of brain networks**

*Thursday, March 9, 2023 11:00 AM (1 hour)*

Contribution ID: 21

Type: **not specified**

## **Oswaldo Baffa: Retrieving context tree models driven by structured TMS pulse sequences**

*Thursday, March 9, 2023 3:00 PM (1 hour)*

Contribution ID: 22

Type: **not specified**

## Coffee break

*Thursday, March 9, 2023 4:00 PM (30 minutes)*

Contribution ID: 23

Type: **not specified**

## **Viktor Jirsa : The Virtual Brain in Applications to Medicine**

*Thursday, March 9, 2023 4:30 PM (1 hour)*

Contribution ID: 24

Type: **not specified**

## **Bill Lytton: Detecting Spontaneous Neural Oscillation Events in Primate Auditory Cortex**

Contribution ID: 25

Type: **not specified**

**Maria Elisa Pimentel: The Goalkeeper Game: A new assessment tool for prediction of gait performance under complex condition in people with Parkinson's disease**

Contribution ID: 26

Type: **not specified**

## **Antoine Triller: Synaptic receptors mouvement and brain diseases.**

*Friday, March 10, 2023 3:00 PM (1 hour)*

Contribution ID: 27

Type: **not specified**

**Maria Elisa Pimentel et Rafael Stern: The Goalkeeper Game: A new assessment tool for prediction of gait performance under complex condition in people with Parkinson's disease**

*Friday, March 10, 2023 11:00 AM (1 hour)*

Contribution ID: **28**

Type: **not specified**

## **Coffee break**

*Friday, March 10, 2023 4:00 PM (30 minutes)*

Contribution ID: 29

Type: **not specified**

## **Yves Frégnac: Beyond the Metaphor between the digital Computer and the biological brain: the myth of artificial consciousness**

*Friday, March 10, 2023 4:30 PM (1 hour)*

Contribution ID: **30**

Type: **not specified**

## **Marcela Svarc: EEG clustering and data compression by the brain**

*Friday, March 10, 2023 9:30 AM (1 hour)*

Contribution ID: **31**

Type: **not specified**

## **Coffee break**

*Monday, March 6, 2023 10:30 AM (30 minutes)*

Contribution ID: **32**

Type: **not specified**

## Coffee break

Contribution ID: **33**

Type: **not specified**

## Coffee break

*Wednesday, March 8, 2023 10:30 AM (30 minutes)*

Contribution ID: **34**

Type: **not specified**

## Coffee break

*Thursday, March 9, 2023 10:30 AM (30 minutes)*

Contribution ID: 35

Type: **not specified**

## Coffee break

*Friday, March 10, 2023 10:30 AM (30 minutes)*

Contribution ID: **36**

Type: **not specified**

## **Group photo**

*Monday, March 6, 2023 12:00 PM (20 minutes)*

Contribution ID: 37

Type: **not specified**

## **Présentation de l'équipe de l'IHP par directeur adjoint de l'IHP Pr. Dominique Mouhanna**

*Monday, March 6, 2023 2:45 PM (15 minutes)*