



PROGRAMME, PAST

T1B-2023 Random processes in the brain: from experimental data to math and back

Start date : 27 February 2023 - End date : 7 April 2023

February 27th to April 7th, 2023

Organizers:
 Antonio Galves (Universidade de São Paulo)
 Eva Löcherbach (Université Paris 7 - Paris Lodron-Sorbonne)
 Christophe Pouzat (Université de Strasbourg and CNRS)
 Claudia D. Vargas (Universidade Federal do Rio de Janeiro)

**Random Processes in the Brain:
 from experimental data to Math and back**
 Thematic program with short courses, seminars and workshops

Structural learning by the brain
 March 6th to 10th, 2023

Networks of spiking neurons
 March 27th to 31st, 2023

Program coordinated by the Centre Emile Borel (CEB) at IHP (Paris) and also accessible online.
 Participation of postdocs and PhD students is strongly encouraged.
 Registration is free however mandatory.

Scientific program and registration on: <https://indocollabzoo.github.io/t1b-2023/>
 Deadline for financial support: June 30th, 2023
 Contact: Exp2023@ihp.fr

CEB organization assisted: Hanaa Dila
 CEB manager: Sylvie Lherminier
www.ihp.fr

With support by:

URL of the page: <https://www.ihp.fr/en/news-research-activities/t1b-2023-random-processes-brain-experimental-data-math-and-back>

Organisation

Organisers:

A. Galves, E. Löcherbach, C. Pouzat, C. D. Vargas

Administrative, financial and logistic organisation:

Sofiiia Minasian

Contact: rbp2023@ihp.fr

Scientific programme:

Detailed programme: <https://indico.math.cnrs.fr/category/558/>

Workshops:

- From March 6th to 10th, 2023: Structural learning by the brain
- From March 27th to 31st, 2023: Networks of spiking neurons



Videos of the trimester are now available on Carmin.tv

NeuroMat Project:

The Research, Innovation and Dissemination Center for Neuromathematics (RIDC NeuroMat) is a center of mathematics whose mission is to develop the new mathematics needed to construct a Theory of the Brain accounting for the experimental data gathered by neuroscience research.

[Learn more](#)

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CIMPA-CARMIN programme:

Through the CIMPA-CARMIN programme the organisers wish to fund, with the support of the Labex CARMIN, the CIMPA and IHP, the participation of several young mathematicians from developing countries to the activities of the trimester.

Young scientists (master students soon looking for a PhD, PhD students, postdocs) meeting those criteria and interested in the topics are much encouraged to apply for a support to participate on [the CIMPA web page](#).



INSTITUT HENRI POINCARÉ

Sorbonne Université / CNRS
11 rue Pierre et Marie Curie
75231 Paris Cedex 05

TIMETABLE

The institute:

- Monday to Friday from 8:30am to 6pm,
- closed on public holidays.

The museum - Maison Poincaré :

- Monday, Tuesday, Thursday and Friday from 9:30am to 5:30pm,
- Saturday from 10am to 6pm,
- closed on Wednesday and Sunday.

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