

EITN Fall School in Computational Neuroscience 2024



EITN Fall School in Computational Neuroscience 2024

October 16-25

*Jardin du Pharo et Campus Timone, Marseille,
France*



EBRAINS



A*Midex
Initiative d'excellence Aix-Marseille
.....



Institut de
Neurosciences des
Systèmes

EITN Fall School in Computational Neuroscience 2024

Wednesday 16.10	
amphithéâtre Gastaut et salle des voûtes, Pharo	
8:30 – 9:00	Welcome
09:00 – 10:30	Tutorial: PYTHON (Viktor SIP)
10:30 - 11:00	Coffee Break
11:00 – 12:30	Tutorial: NEURON and NetPyNE (Valery BRAGIN)
12:30 – 14:00	Lunch
14:00 - 15:00	Lecture (Michele MIGLIORE)
15:00 – 15:30	Coffee Break
15:30 – 16:30	Students' presentations
16:30 – 17:30	Presentation of projects by the tutors
17:30 – 19:00	Project selection
20:00	Restaurant Le Comptoir Dugommier, 14 boulevard Dugommier, 13001 Marseille

Thursday 17.10	
amphithéâtre Gastaut et salle des voûtes, Pharo	
8:30 – 9:30	Lecture (Marja-Leena LINNE)
09:30 – 11:00	Tutorial: NEST (Barna ZAJZON)
11:00 - 11:30	Coffee Break
11:30 – 12:30	Lecture (Michele MIGLIORE)
12:30 – 13:30	Lunch
13:30 - 14:30	Lecture: (Viktor JIRSA)
14:30 – 15:00	Coffee Break
15:00 – 18:00	Project work - Time allocated to work on tutored group projects (Barna ZAJZON, Elif KOKSAL ERSOZ, Valery BRAGIN, Martin BREYTON)

EITN Fall School in Computational Neuroscience 2024

Friday 18.10	
amphithéâtre Gastaut et salle des voûtes, Pharo	
8:30 – 9:30	SEEG data analysis using EBRAINS Jupiter lab (Andrea BROVELLI)
09:30 – 11:00	Tutorial: BRIAN 2 (Marcel STIMBERG - online)
11:00 - 11:30	Coffee Break
11:30 – 13:00	Tutorial: TVB (Martin BREYTON)
13:00 – 14:30	Lunch
14:30 - 18:00	Project work – Time allocated to work on tutored group projects (Barna ZAJZON, Elif KOKSAL ERSOZ, Valery BRAGIN, Martin BREYTON)

Saturday 19.10	
Room 5, green aisle, ground floor, Campus Timone	
9:00 – 10:30	Tutorial: Glial modeling (Iiro AHOKAINEN)
10:30 – 11:30	Lecture: (Damien DEPANNEMAECKER)
Afternoon off	

Sunday 20.10	
Day off	

Monday 21.10	
amphithéâtre Gastaut et salle des voûtes, Pharo	
8:30 – 9:30	Lecture (Alain DESTEXHE)
09:30 – 11:00	Tutorial: Comp. Method (Marmaduke WOODMAN)
11:00 - 11:30	Coffee Break
11:30 – 12:30	Lecture: (Matteo DI VOLO)
12:20 – 13:30	Lunch
13:30 - 18:00	Project work – Time allocated to work on tutored group projects (Barna ZAJZON, Elif KOKSAL ERSOZ, Valery BRAGIN, Martin BREYTON)

EITN Fall School in Computational Neuroscience 2024

Tuesday 22.10	
Room 6, green aisle, ground floor, Campus Timone	
8:00 – 9:00	Lecture: (Jorge MEJIAS) on-line
09:00 – 10:00	Lecture: (Matthieu GILSON)
10:00 - 10:30	Coffee Break
10:30 – 11:00	Virtual Brain Prototype (Rej METI)
11:00 – 12:00	Lecture on (mean-)field theory (David DAHMEN) - on-line
12:00 – 13:30	Lunch
13:30 – 15:00	TBD
15:00 - 16:00	Lecture: (Xiao-Jing WANG) on-line
16:00 - 18:00	Project work – Time allocated to work on tutored group projects (Barna ZAJZON, Elif KOKSAL ERSOZ, Valery BRAGIN, Martin BREYTON)

Wednesday 23.10	
Room 6, green aisle, ground floor, Campus Timone	
8:30 – 9:30	Lecture (Egidio D'ANGELO) on-line
09:30 – 10:30	Lecture: Virtual brain tools for Epilepsy and beyond (Huifang WANG)
10:30 - 11:00	Coffee Break
11:00 – 12:00	Lecture (Spase PETKOSKI)
12:00 – 13:30	Lunch
13:30 - 18:00	Project work – Time allocated to work on tutored group projects (Barna ZAJZON, Elif KOKSAL ERSOZ, Valery BRAGIN, Martin BREYTON)

EITN Fall School in Computational Neuroscience 2024

Thursday 24.10	
Room 6, green aisle, ground floor, Campus Timone	
8:30 – 10:00	Tutorial: EBRAINS (Katja ZOSSIMOVA)
10:00 – 11:00	Lecture on network modeling (Anno KURTH)
11:00 - 11:30	Coffee Break
11:30 – 13:00	Tutorial: Inference (Nina BALDY)
13:00 – 14:00	Lunch
14:00 - 18:00	Project work – Time allocated to work on tutored group projects (Barna ZAJZON, Elif KOKSAL ERSOZ, Valery BRAGIN, Martin BREYTON)

Friday 25.10	
Room 6, green aisle, ground floor, Campus Timone	
8:30 – 12:30	Group project presentations
12:30 – 14:00	Lunch
14:00-16:00	Group project presentations

Amphithéâtre Gastaut and et salle des voûtes

Aix-Marseille Université
58, boulevard Charles Livon
Jardin du Pharo
13007 Marseille
https://2024.legfr.fr/docs/Access_amphi_Gastaut.pdf

Campus Timone (room 5 and room 6 ground floor, green aisle)
Faculté des Sciences Médicales et Paramédicales d'Aix-Marseille Université,
27 Bd Jean Moulin
13005 Marseille
<https://smpm.univ-amu.fr/fr/contacts-acces#section-4576>