

Junior Chair in Computational Neurosciences Aix-Marseille Université Marseille, France

Aix-Marseille Université (AMU) is opening a Junior Chair in Computational Neuroscience. The selection process starts in May 2022 with an intended starting date in Fall 2022. The Junior Chair program is a new tenured-track path at French Universities. The position is open at Junior Professor level (level of experience 3-10 years after PhD) and is supported with a starting package of 470K€, including the salary for the Junior Professor. After 3-5 years, depending upon the scientific achievements, the Chair should lead to a permanent Faculty position at the Professor level (PR2).

The Junior Chair in Computational Neurosciences aims at recruiting an outstanding scientist in computational neuroscience, capable of developing a research project in the analysis and/or modeling of neural networks in physiological and/or pathological conditions. The focus will be on the analysis, modeling and simulation of brain networks by integrating several structural and functional scales of nervous system organization, in relation with brain functions and/or behaviors. Theoretical tools will include methods of analysis of non-linear dynamical systems, network and graph analysis, artificial neural networks, information theory and/or machine learning theories. Candidates should demonstrate a strong link with experimental neuroscience and/or clinical research. Health-related projects proposing a multi-scale approach (from micro to macroscopic) and/or the use of large databases and/or the identification of biomarkers for the modeling of nervous system diseases (e.g. epilepsy, neurodegenerative and psychiatric diseases, neurodevelopmental disorders) will be favored.

The Junior Chair will be involved in the development of training activities in computational neurosciences within existing Master/PhD programs in Neuroscience and contribute to the structuration of a new Master program in Health & Artificial Intelligence at the interface between the Medical School and the Faculty of Sciences.

The Junior Chair is sponsored by two leading Neuroscience Institutes at the Medical School of Aix-Marseille Université. The junior professor will develop his/her research project at either the *Institut de Neurosciences de la Timone* (UMR7289, CNRS & AMU <https://www.int.univ-amu.fr/>) or the *Institut de Neurosciences des Systèmes* (UMR1106, INSERM & AMU <https://www.ins-amu.fr/>)

The official announcement of the position can be found at :

https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/ListesPostesPublies/FIDIS/0134009M/FOPC_0134009M_1162.pdf

The description can also be found on Euraxess: <https://euraxess.ec.europa.eu/>

Application shall be submitted directly to the Galaxie website before June 8th 2022. The pre-selection and interview steps will be done between mid-June and mi-July 2022 by a Selection Committee composed of AMU and external scientific experts.

Inquiries and further information about the position and the application process can be sent directly to both Dr Guillaume Masson (Director INT: guillaume.masson@univ-amu.fr) and Dr Viktor Jirsa (Director INS: viktor.jirsa@univ-amu.fr)