Postdoctoral position

ROLE OF NUCLEAR PORE ACETYLATION DURING STEM CELL DIFFERENTIATION

A postdoctoral position is available in the laboratory of Manuel Mendoza at the Institute of Genetics and Molecular and Cellular Biology (IGBMC) in Strasbourg, France, to study **the role of nuclear pore complex acetylation in the differentiation of stem cells**. The position, supported by the Institute of Advanced Studies of the University of Strasbourg (USIAS), is available from October 2019 and will be funded for 2 years.

The Mendoza laboratory studies how chromosome segregation and cytokinesis are coordinated with each other, and how differences in nuclear organization are established during cell differentiation. In particular, we found that cell-specific acetylation of nuclear pore complexes modulates key aspects of cell identity in asymmetrically dividing budding yeast. The USIAS-funded project aims to test the conservation of this process during differentiation of mouse embryonic stem cells (mESCs). For further information regarding the position and our research interests, please contact manuel.mendoza@igbmc.fr and visit http://igbmc.fr/mendoza or http://www.usias.fr/en/fellows/2019-fellows/manuel-mendoza.

Applicants should hold a Ph.D. in biology, biochemistry or related areas with at least one first-author publication in a peer-reviewed international journal. The ability to work independently and strong skills in molecular and cell biology are required; experience in mESC biology and/or live cell microscopy would be an advantage. Interested candidates should send their CV, including a summary of research interests and contact information of 2 references to manuel.mendoza@igbmc.fr.

Further reading

Kumar, A., … Mendoza, M. (2018). Daughter-cell-specific modulation of nuclear pore complexes controls cell cycle entry during asymmetric division. *Nature Cell Biology*, *11*, 849. http://doi.org/10.1038/s41556-018-0056-9

The Institute

The Institute of Genetics and Molecular and Cellular Biology (IGBMC), created by Pierre Chambon in 1994, is the largest research unit in France and one of the main European biomedical research centres. The goal of IGBMC is to develop interdisciplinary research at the interface of biology, biochemistry, physics and medicine, and to attract students from around the world by offering high-level education in the biomedical sciences. The IGBMC campus, located on the "Parc d'Innovation d'Illkirch" in the Strasbourg suburbs, is an exceptional scientific, academic and industrial environment that favours inter-disciplinary collaborations and technology transfer. The working language is English.

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