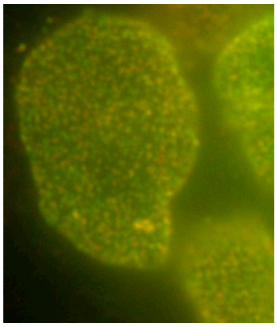
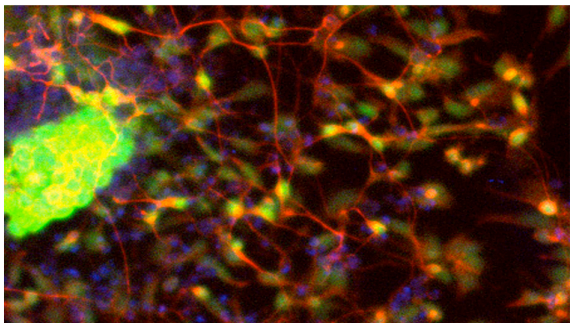


Postdoc position: nuclear pores and stem cell differentiation

Institut Jacques Monod, Paris, France

Job description

A postdoctoral position is available in the laboratory of Valérie Doye at the Institut Jacques Monod (Paris, France) to analyze the contribution of the nuclear pore complexes (NPCs) to embryonic stem cell differentiation. This position is funded for at least 2 years, starting at the end of 2012. A salary in accordance with qualifications, including potential previous postdoctoral experience, will be offered.

Previous studies have revealed that the Nup133 subunit of the NPC regulates stem/progenitor cell differentiation by an as-yet unknown mechanism (Lupu et al., Dev Cell, 2008). In this project, the candidate will combine various approaches (including in vitro cell differentiation using Nup133-deficient ES cell lines, cell imaging, biochemistry and gene expression studies), to characterize the molecular partners and cellular mechanisms underlying the role of Nup133 in stem cell differentiation. In view of our previous studies (Zuccolo et al., EMBO J. 2007; Bolhy et al., J. Cell Biol, 2011), the interplay between cell cycle progression and cell differentiation will particularly be investigated.
This project will benefit from the techniques and tools already assembled through a joint collaboration with the teams of E. Lacy (Sloan-Kettering Institute, New York) and J. Collignon (IJM, Paris). The Institut Jacques Modod further provides state-of-the-art in-house facilities (imaging, proteomics, genomics-transcriptomics), and a highly collaborative environment (http://www.ijm.fr/en/ijm/research/research-groups/).

Qualification:

We are looking for a candidate with a history of excellent research productivity and independent thinking. Candidates are expected to have a keen interest in cell and developmental biology.
Experience and skills in cell culture and basic molecular biology is required, along with openness to explore novel approaches; additional experience in stem cell biology and cell imaging would be appreciated but is not mandatory. Excellent spoken and written English is expected. Knowledge of French is not required.

How to apply:

Candidates should submit a full CV, and at least 2 referee contact addresses or reference letters to Valérie Doye: doye.valerie@ijm.univ-paris-diderot.fr.
The position will remain open until filled; however applications received by August 30th, 2012 will be given priority.

INSTITUT JACQUES MONOD
Team: "Nuclear pores: transport and cell cycle"
CNRS (UMR7592) - University Paris Diderot

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