Two years post-doctoral position

Group of Cathy Jackson and Jean-Marc Verbavatz
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http://www.ijm.fr/en/research/research-groups/membrane-dynamics/

Project leader: Francesca Giordano.

Biochemical and cellular characterization of novel components of MCS

Membrane contact sites (MCS), where two organelles come into very close proximity without fusing, are emerging as novel structures for inter-organelle communication. These sites of intimate contact generally form between the endoplasmic reticulum and a second organelle, including mitochondria and the plasma membrane.

We are using a combination of cellular and biochemical approaches including high-resolution light and electron microscopy, live cell imaging and optogenetic manipulation of proteins/lipids in vivo, to identify novel components of MCS and to study their functions at these sites.

We benefit from state-of-the-art proteomics and imaging facilities at IJM, including TIRF, spinning disk, confocal, high-resolution PALM/STORM and electron microscopy systems.

Applicants should have a background in cell biology and experience in molecular biology and biochemistry. Prior experience in live cell imaging and electron microscopy is favourable but not mandatory.

Applicants should send a CV, motivation letter and three references to Francesca Giordano (giordano@ijm.univ-paris-diderot.fr).