



**Post-doctoral position in Structural Biology of Lysine methylation and Cancer in Grenoble, France**

A 2-year post-doctoral position is available in the laboratory of Jan Kadlec at the Institut de Biologie Structurale (IBS) in Grenoble.

**Project**

The project is focused on structural and biophysical characterization of non-histone targets of lysine methyltransferases involved in cancer development. The aim is to understand the mechanism by which the methylation of these new substrates causes cancer to eventually develop novel anti-cancer therapeutics.

**Work environment**

Our group is specialized in structural analysis of epigenetic regulators. We use an interdisciplinary approach combining structural biology (X-ray crystallography, EM, NMR), biochemistry, cell biology and mass spectrometry.

The project will be carried out in collaboration with the Reynoird team (IAB Grenoble, [nicolas.reynoird@univ-grenoble-alpes.fr](mailto:nicolas.reynoird@univ-grenoble-alpes.fr)), expert in lysine methylation signaling (see Reynoird et al., Genes Dev. 2016 and Mazur\*, Reynoird\* et al. Nature. 2014). Another 2-year postdoc position in lysine signalling is available in his lab and both postdocs will work together on different aspects of the project.

The IBS is a member of the Partnership for Structural Biology ([www.psb-grenoble.eu](http://www.psb-grenoble.eu)) providing access to integrated state-of-the-art structural biology technologies, including ESRF synchrotron X-ray beamlines for MX and SAXS, cryo-EM/tomography and NMR as well as biophysics, confocal microscopy and high-throughput crystallization platforms.

**Profile**

The successful candidate will be highly motivated and have recently acquired a PhD in the field of biochemistry/structural biology. Skills in protein sample preparation methods (protein expression and purification) are required and experience in protein crystallography would be an advantage.

**Preferable start: June 2020.**

Informal inquiries and applications including CV and names of two possible referees can be sent directly to Jan Kadlec ([jan.kadlec@ibs.fr](mailto:jan.kadlec@ibs.fr)) by May 1st.