



Junior team leader positions at the IBS

The “[Institut de Biologie Structurale](#)” of Grenoble is currently seeking junior group leaders to set up research teams in the field of integrated structural cell biology with starting grants such as ATIP-Avenir and/or ERC. Successful candidates will be supported by the IBS to obtain permanent positions at one of the major French research organizations.

The IBS is located on the European Photon and Neutron campus, next to its international partners EMBL, ILL and ESRF forming one of the largest European Centers in Structural Biology organized within the PSB ([Partnership for Structural Biology](#)). The IBS performs interdisciplinary research in integrated structural biology along 3 main axes: Infection and Molecular Medicine, Membrane Signaling and Transport, Frontiers in Biophysics and Chemistry for Structural Biology. Research at IBS benefits from access to state of the art equipment at IBS including high-field NMR (5 spectrometers including a 950 MHz), and electron microscopy for single particle analysis and electron tomography (3 microscopes including a Polara 300 kV equipped with a K2 detector), spinning disk and super-resolution fluorescence microscopy, and an ensemble of instruments to produce and characterize biological samples at the molecular level. This is complemented by access to ILL neutron sources and ESRF beam lines including the Titan Krios electron microscopy platform that will be operated jointly by ESRF, EMBL and IBS starting in 2017.

Applicants are expected to propose an independent research project within the 3 profiles described below.

Candidates with excellent track records are invited to submit a single file including their CV, the complete list of publications, a summary of scientific achievements, proposed research (maximum 3 pages), and contact details for three referees to [Winfried Weissenhorn](#) ideally before April 30th 2017. However, applications will be considered until the position(s) have been filled.

Young investigator in structural biology and biophysics of membrane proteins

The IBS aims to strengthen its activity in structural biology of membrane proteins. Several IBS teams have built-up strong expertise in biochemistry, biophysics and crystallization of membrane proteins, including in the development of novel approaches to study the molecular mechanisms of receptors, ion channels and transporter. The candidate will benefit from the existing expertise and access to crystallization platforms (hanging drops and in meso) equipped with state of the art instruments to analyze membrane proteins. The successful candidate should have experience in X-ray crystallography and/or single particle electron microscopy of membrane proteins and should propose a project relevant to one of the three main research axes of the IBS with a strong focus on structure-function analyses.

Young investigator in computational methods for structural biology

The IBS seeks to recruit an expert in computational methods, its development and application to respond to important biological questions. The candidate should propose her or his own research project relevant to the main research axes performed at IBS and should be open for collaborative projects with IBS groups. The ideal candidate should investigate structure, function and dynamics of biological systems or should have a strong expertise in modelling complex biological systems. A solid knowledge of state of the art structural biology data acquisition (X-ray and/or, neutrons and/or XFEL or NMR, or microscopy) will be considered a plus.

Young investigator for integrated structural cell biology

The IBS seeks to recruit a young investigator with a strong program in structural cell biology addressing important general and/or pathogenic cellular processes. The applicant is expected to have excellent expertise in microscopy including super-resolution fluorescence microscopy and experience or a strong interest to establish correlative electron microscopy. The IBS provides access to inhouse state of the art microscopy equipment including super-resolution fluorescence microscopy and equipment to perform cellular tomography by high pressure freezing techniques and/or CEMOVIS. The candidate should develop an independent research program relevant to the IBS main axes and collaborations with IBS groups are highly encouraged.