

PhD and Post-Doctoral Positions Available in Grenoble (France)



The [Biomolecular NMR Spectroscopy Group](#) of the Structural Biology Institute in Grenoble is looking for several PhD and postdoctoral research associates. Positions are available on the following topics:

- Development of innovative solution/solid-state NMR methods and isotopic labeling approaches for the study of challenging biological systems.
- Solid-state and solution-state NMR studies of biomolecular dynamics and interactions, in a number of challenging systems in which motion is an inherent feature for function.
- Protein and RNA folding, and chaperone activity studied by combination of NMR and EM approaches.
- Antibiotic resistance: Structural and functional studies of proteins involved in the synthesis of the bacterial cell wall using liquid and solid state NMR.

The successful candidates will be part of a [dynamic and interdisciplinary research group](#) composed by the teams of Drs Boisbouvier, Brutscher, Schanda and Simorre, sharing expertise in biochemistry, isotopic labelling, solution and solid-state NMR spectroscopy. The selected researchers will have access to state-of-the-art structural biology facilities, including six high field NMR spectrometers (950 MHz, 850 MHz, 700 MHz, 3x600 MHz) equipped with latest solid-state NMR and cryogenic probes, SAXS, cryoelectron microscopy and tomography. Applicants will also have access to a fully equipped 150 m² wetlab for sample preparation using state-of-the-art *in vivo* and *in vitro* isotopic labelling methods.

The host institute is part of the Grenoble Partnership for Structural Biology (PSB), a vibrant European hub for structural biology, which comprises the European Synchrotron Radiation Facility (ESRF), the Laue Langevin Institute (ILL), the Institute of Structural Biology (IBS), and the EMBL Grenoble Out-Station. Grenoble is a former Olympic city situated in the heart of the French Alps with convenient access to several local ski resorts. Grenoble is well connected to international airports by regular shuttle buses (Lyon or Geneva) or high-speed trains (Paris).

PhD/Post-doc applicants should hold a Master/PhD degree in Structural Biology, Biophysics or Biochemistry and experience in biomolecular NMR. Interested candidates should send a *Curriculum Vitae*, a cover letter and contact information for 2 references, via e-mail to:

ibs-groupe-nmr.jobs@listes.ibs.fr