

The “Highly Flexible Proteins” group at the Centre de Biochimie Structurale (CBS) in Montpellier (France) lead by Pau Bernadó is looking for a highly motivated researcher to join the team as a post-doc for a period of two years (with a potentially extension). The project, funded by the European Research Council (ERC), aims at establishing the links between structure and dynamics of intrinsically disordered proteins with their role in cell signalling and neurodegenerative diseases. NMR will be the main technique used for the study of these proteins.

The successful candidate should have a PhD in chemistry, biology or physics and a solid background in solution state biomolecular NMR spectroscopy. Experience in protein expression and purification is strongly recommended. Knowledge in other biophysical techniques such as SAXS, FRET or computational and modelling methods will be favourably considered.

The laboratory hosts high-field state-of-the-art NMR spectrometers for biomolecular applications: A 800 MHz and a 700 MHz both equipped with cryoprobes and a 600 MHz. In addition to NMR, the CBS has an outstanding infrastructure covering all techniques for structural biology and biophysics including X-ray crystallography, cryo-electron microscopy, advanced fluorescent and super-resolution microscopes, single-molecule manipulation, molecular and cell biology, and high-performance computation.

Montpellier is a major biology area with a focus on basic research, biomedicine, plant biology and environmental science. Its science drive, the beauty of the region and its high quality of life, and the short commute to other major regional research areas (Barcelona, Paris, Toulouse, Marseille) make it an ideal destination for scientists from all over the world.

Applications and informal queries about the project and the lab should be addressed to Pau Bernadó (pau.bernado@cbs.cnrs.fr) or Nathalie Sibille (nathalie.sibille@cbs.cnrs.fr). Interested candidates should send their CV, a cover letter describing their research interests and motivation, and the names of persons willing to write a recommendation letter.