

Postdoctoral Position: Biophysics of Membrane Polypeptides or Fibers

The laboratory **Membrane Biophysics and NMR at the University of Strasbourg** has an opening for a postdoctoral position with experience in using biophysical techniques for the analysis of peptides and proteins associated with membranes or with fibers. The aim of the project is to reveal the structural determinants that define lipid recognition in membranes and to characterize changes in structure, dynamics, oligomerization and topology of the protein as well as the lipids during recognition. Another ongoing project is the structural investigation of peptide fibers with strong nucleic acid and lentiviral transfection potential.

Candidates should have good experience in biophysical methods used during the investigation of membranes. Techniques of the laboratory include biomolecular solid-state NMR, solution NMR approaches, optical methods, light scattering, ITC, peptide synthesis and/or the biochemical production of proteins. The candidate should have good knowledge of some of these techniques, particularly searched after a experts in MAS solid-state NMR of polypeptides. S/he should have an interest in working in a highly interdisciplinary, international and collaborative environment. The project and position are funded by a three-year grant from the French National Agency for Research (ANR). The University of Strasbourg chemistry, life sciences and structural biology departments have excellent scientific records, with a multitude of collaborations world-wide.

Strasbourg is a very nice city on the French side of the Rhine river, at the border to Germany, with easy access to nearby mountains (Vosges, Black Forrest, Alps). Being in the heart of Europe it takes only short train rides to multiple destinations of scientific and/or touristic interest.

Candidates should send their CV, publication list and contact info for three references to:

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www.icfrc.fr/en/