

Postdoctoral Position: Solid-state NMR of Membrane-Associated Polypeptides

The laboratory Membrane Biophysics and NMR at the University of Strasbourg has an opening for a postdoctoral position with experience in using solid-state NMR methods in the structural analysis of membrane proteins. The aim of the project is to reveal the structural determinants that define the highly specific lipid recognition motif of some transmembrane proteins (cf. Nature 2012, 481:525 and BBA 2014, 1838:2066) and to characterize changes in structure, dynamics and topology of the protein domains as well as the lipids during recognition.

Candidates should have good experience in MAS solid-state NMR and be ready to also include oriented membrane samples in the structural analysis (e.g. PNAS 2009, 106, 16639). Knowledge of solution NMR approaches, peptide synthesis and/or the biochemical production of proteins are of advantage. S/he should have a strong background in biological NMR, a good publication record and an interest in working in a highly interdisciplinary, international and collaborative environment. The project and position are funded by a three-year international grant from the French National Agency for Research (ANR) in collaboration with the DFG/University of Heidelberg. The University of Strasbourg chemistry, life sciences and structural biology departments having 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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Web Sites: www-chimie.u-strasbg.fr/~rmnmc

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