Postdoctoral position in biological solid state NMR
University of Pittsburgh School of Medicine
Dept. of Structural Biology

A postdoctoral research position in biological solid state NMR is available in the new group of **Patrick van der Wel** at the Department of Structural Biology at the University of Pittsburgh School of Medicine. The primary focus of the research is on the application of **magic angle spinning (MAS) SSNMR** to amyloid fibril formation and membrane-associated proteins. One focus is on the structure and mechanism of formation of amyloid fibrils, a form of protein misfolding associated with various diseases. The membrane protein research is specifically focused on the interplay between the lipids of the lipid bilayer and the membrane-bound protein, and the importance of this interaction for the structure and biological functions of the membrane.

A strong interest in these topics is expected, preferably combined with previous experience in (solid state) NMR or other biophysical and structural protein characterization techniques. Experience with protein production and purification and/or sample preparation is also very desirable. Funding is available for at least 2 years, which will include benefits as provided by the University of Pittsburgh.

The department features interdisciplinary and collaborative research groups that address structural biology through a variety of techniques, with expertise in amyloid studies, solution state NMR, (cryo) EM, and X-ray crystallography. It is housed in a new research building and includes state-of-the-art equipment and wet lab resources. The solid state NMR group has access to Bruker 800 and 600 MHz magnets, both of which are well equipped with modern (Bruker) consoles and MAS as well as static probes. More info at http://www.structbio.pitt.edu/ (dept. website) and http://www.pitt.edu/~pvdwel/ (group).

Interested candidates should contact Patrick van der Wel at the contact information listed below. Please include a curriculum vitae and the contact information of three references.

Contact: **Patrick van der Wel, Ph.D.**
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