

Solution NMR Spectroscopy of Membrane Proteins Folding and Misfolding of Membrane Proteins

The lab of Chuck Sanders at Vanderbilt University has openings for postdoctoral fellows to conduct solution NMR-based structural studies of membrane proteins and/or studies of membrane protein folding.

Possible projects include characterization of the structure of the complex of diacylglycerol kinase with its substrates (follow-up to Van Horn et al. SCIENCE 324, 1726-1729, 2009), studies of the folding and misfolding of DAGK or human peripheral myelin protein 22, structural studies of integrins, and structural and functional studies of the human KCNE family of membrane proteins, which modulates potassium channel function.

More information on these projects may be found at the lab web site listed below.

The Vanderbilt Biomolecular NMR Spectroscopy Laboratory will soon install a 900 MHz instrument to complement current cryoprobe-equipped 800, 600, and 500 MHz NMR spectrometers.

Vanderbilt University is listed as one of FORTUNE's 2009 "100 Best Companies to Work For".

Candidates should have an interest in working with integral membrane proteins and have relevant biochemical and/or spectroscopic experience. Start dates are flexible.

Candidates should send a CV, including contact information for references, to:
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