

The Peti Laboratory at the University of Connecticut Health Center has an immediate opening for up to three highly motivated post-doctoral candidates to undertake structural and dynamics analysis of pro- and eukaryotic signaling enzymes, with a focus on the function of phosphatases, kinases and their regulatory proteins that form large signaling complexes. All studies use NMR spectroscopy, but often also employ a combination of x-ray crystallography and/or cryo-EM. Applicants with a strong background in biochemical techniques and especially biomolecular NMR spectroscopy are encouraged to apply.

The Peti laboratory is housed in a ~250,000 sq. ft. research laboratory in Farmington, CT. The laboratories are open-lab-space facilities and allow close interaction with the adjunct structural biology and molecular/cell biology groups at UConn Health. The Peti laboratory is one of the main users of new Bruker Neo 600 and 800 NMR spectrometer, both equipment with cryoprobes and located adjacent to the laboratory. The laboratory is equipped with all necessary infrastructure to produce (*E. coli*, Sf9, mammalian), purify and analyze protein and protein complexes (ITC, SPR etc.).

Farmington, CT, is located on the New England between Boston (90 min.) and New York City (90 min.). Starting date, salary and project details are negotiable.

Please e-mail a Cover Letter and CV to Wolfgang Peti (peti(at)uchc.edu).

Recent exemplary publications:

Li, Y., Sheftic, S.R., Grigoriu, S., Schwieters, C., Page, R. & **Peti, W.** (2020) The structure of the RCAN1:CN complex explains the inhibition of and substrate recruitment by calcineurin, *Science Advances*, 6:eaba3681

Hendus-Altenburger, R., Wang, X., Sjøgaard-Frich, L.M., Pedraz-Cuesta, E., Sheftic, S.R., Bendsøe, A.H., Page, R., Kragelund, B.B., Pedersen, S.F. & **Peti, W.** (2019) Dynamic high-affinity scaffolding of calcineurin by Na⁺/H⁺ exchanger 1 controls exchanger activity and calcineurin-mediated site specific dephosphorylation, *Nature Communications*, 10:3489