



Postdoctoral position available on *Structural biology of rhomboid intramembrane proteases*

in the laboratory of Dr. Kvido Strisovsky,
Institute of Organic Chemistry and Biochemistry,
Academy of Sciences of the Czech Republic, Prague



Job details

The Strisovsky lab is interested in intramembrane proteases that modulate cell signalling and membrane protein quality control. For details visit [our webpage](#). We are seeking a postdoctoral fellow to work on the mechanism and structure of [rhomboid intramembrane proteases](#) using crystallography, NMR and fluorescence techniques. The work will synergize with other projects running in the lab. The position is initially for one year with the possibility of extension to up to 3 years and can be started immediately. We are offering a competitive salary commensurate with skills and experience and adequate for comfortable living in Prague. In addition, a limited number of internal postdoctoral fellowships are available on a competitive basis.

Requirements

We are looking for highly motivated candidates with strong scientific curiosity, independence and persistence in problem solving who enjoy team work. You must hold a PhD in biochemistry, structural biology, biophysics, physical chemistry or a related discipline obtained relatively recently, and your research experience must be demonstrated by peer-reviewed publications. Strong background in biochemistry or biophysical chemistry, knowledge of basic molecular biology techniques (DNA cloning etc.), protein purification and protein chemistry are required, and some experience in or exposure to protein crystallography, NMR or lipid chemistry would be an advantage. A very good command of English is required.

Workplace

The Institute of Organic Chemistry and Biochemistry (IOCB) is a leading Czech research institute that has been one of the birthplaces of modern antiretrovirals. IOCB has multidisciplinary and international character housing groups with expertise in molecular and structural biology, and organic, medicinal and theoretical chemistry, which facilitates interdisciplinary collaborations. Our lab is located in the newly refurbished biology building on the campus; all infrastructure and state-of-the-art facilities needed for the work are available on site. The group is funded by EMBO, EU FP7 (Marie Curie actions), and Czech Ministry of Education. We offer a friendly and stimulating working environment focused on science in a vibrant and modern city.

How to apply

Interested candidates should contact Dr. Kvido Strisovsky at kvido.strisovsky@uochb.cas.cz for more detailed information. To apply please send: 1) your structured CV with the list of publications, 2) a cover letter where you explain your interest in our laboratory and identify your most relevant research skills, 3) contact details for two referees who can testify on your professional ability. Applications will be considered as they are received and the call will be open until the position is filled, ideally by October 31st 2012.

Selected publications

- Zettl, M., Adrain, C., **Strisovsky, K.**, Lastun, V. & Freeman, M. (2011). Rhomboid family pseudoproteases use the ER quality control machinery to regulate intercellular signaling. *Cell* 145, 79-91.
- Vinothkumar, K. R., **Strisovsky, K.**, Andreeva, A., Christova, Y., Verhelst, S. & Freeman, M. (2010) The structural basis for catalysis and substrate specificity of a rhomboid protease, *EMBO J.* 29, 3797-809.
- **Strisovsky, K.**, Sharpe, H. J. & Freeman, M. (2009). Sequence-specific intramembrane proteolysis: identification of a recognition motif in rhomboid substrates. *Molecular Cell* 36, 1048-1059.