



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. We are seeking a postdoctoral fellow to work on the mechanism and structure of [rhomboid intramembrane proteases](#) using X-ray crystallography, NMR and fluorescence techniques. The work will synergize with other projects running in the lab. The position is for up to 3 years and can be started immediately, by Sept 1st 2014 at the latest. We are offering a competitive salary commensurate with skills and experience, and adequate for comfortable living in Prague. [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 structural biology, biochemistry, biophysics or a related discipline obtained relatively recently, and your research experience must be demonstrated by peer-reviewed publications. Proficiency in basic molecular biology techniques (DNA cloning etc.), protein purification and expertise in protein crystallography are required; some experience in or exposure to 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 core facilities needed for the work are available on site. The group is funded by EMBO, the EU, and Czech Ministry of Education. The group is international and our working language is English. We offer a friendly, intense and stimulating working environment in a vibrant and modern city.

How to apply

Interested candidates should contact [Dr. Kvido Strisovsky](#) directly. 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, and 3) contact details for two referees who can testify on your professional abilities. Applications will be considered as they are received and the call will be open until the position is filled or until June 30th 2014.

Selected publications

- Zoll, S., Stanchev, S., Began, J., Skerle, J., Peclinovska, L., Lepsik, M., Majer, P. & **Strisovsky, K.** (2014). Crystal structures of rhomboid protease complexed to substrate peptides reveal... *submitted*.
- **Strisovsky, K.** (2013). Structural and mechanistic principles of intramembrane proteolysis – lessons from rhomboids. *FEBS J.* 280, 1579-603.
- 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.