

Two Postdoctoral Fellow Positions Available

Two postdoctoral positions are available in the laboratory of Prof. Dusan Turk, Department of Biochemistry and Molecular at Jozef Stefan Institute, Ljubljana, Slovenia. It is possible to start immediately after formalities are resolved.

The candidate will be a part of the Structural Biology Program at Jozef Stefan Institute in collaboration with the Centre of Excellence for Integrated Approaches in Chemistry and Biology of Proteins (CIPKeBiP). Structure-function relationship studies concerning biomedically relevant issues of the investigated proteins will be performed on

- a) endosomal enzymes (e.g. cysteine cathepsins and glycosidases) and their roles in turnover of proteins and carbohydrates with the emphasis on MHC class II-mediated antigen processing and presentation,
- b) bacterial cell surface proteins and their complexes including reconstruction of large cell wall components with the focus on S-layer proteins of *Clostridium difficile* and autolysins of *Staphylococcus aureus*.

We use a combination of molecular biology, x-ray crystallography, biochemistry and microbiology to study protein structure and function. Our lab is equipped with state-of-the art facilities enabling high-throughput approaches in structural biology (protein expression and structure determination). We have access to European synchrotrons and through collaborations with EM facilities.

Applicants must have a Ph.D. in Biochemistry, Molecular or Cell Biology, or a related field. They must show a record of experience in a biochemical laboratory. Experience in crystallization and structure determination is desired, but not mandatory.

Interested applicants are kindly invited to send a curriculum vitae, a short motivation letter and at least two letters of recommendation to dusan.turk@ijs.si. Additional information can be provided upon inquiries.

The received applications will be reviewed immediately.