



POSTDOC: PROTEIN STRUCTURAL BIOLOGIST

We are seeking for a highly motivated scientist for **EU-funded postdoctoral position** in **protein structural biology** for experimental team at Loschmidt Laboratories, Masaryk University, Brno, Czech Republic (<https://loschmidt.chemi.muni.cz/peg/>). We conduct basic research in enzymology and fight acute stroke, cancer and Alzheimer's disease.

JOB DESCRIPTION:

- Perform protein expression, purification and biophysical characterization
- Design and perform protein crystallization experiments
- Collect X-ray diffraction data and determine protein-ligand complex structures
- Adapt emerging structural techniques: nanocrystallography and cryo-EM
- Work in a friendly, inspiring and highly collaborative environment
- Opportunities for further training, personal growth and benefits package

PROFILE OF CANDIDATE:

- Ph.D. in structural biology, molecular biology, biochemistry or biophysics
- Experience with protein expression and purification
- Previous experience with protein structural techniques
- Experience with biophysical and biochemical protein characterization
- Willingness to learn new techniques: nanocrystallography and cryo-EM
- Ability to develop new concepts; goal-oriented and problem-solving skills
- Good proficiency in English

APPLICATIONS:

- *Curriculum Vitae* and motivation letter
- Two letters of recommendation
- Send your application to Jitka Sedlackova at jitkasedlackova@mail.muni.cz.

SELECTED PAPERS:

- *J. Am. Chem. Soc.* 140: 17999, 2018
- *J. Am. Chem. Soc.* 137: 4988, 2015
- *Chem. Rev.* 113: 5871, 2013
- *Angewandte Chemie* 52: 1959, 2013
- *ACS Catalysis* 8: 9420, 2018
- *ACS Catalysis* 6: 7597, 2016
- *Curr. Opin. Chem. Biol.* 19: 8, 2014
- *Nature Chem. Biol.* 10: 428, 2014

