



University of Warsaw
Biological and Chemical
Research Centre

The post-doc position (scientific adjunct)

Eligibility:

- doctoral degree in life science field (Chemistry, Biology, Biophysics, Bioinformatics) obtained not earlier than seven years before starting job in the project

Requirements:

- knowledge of programs for visualization of proteins,
- knowledge of programs for ligand docking and/or *virtual screening*,
- knowledge of programs for molecular dynamics,
- programming skills,
- proficiency in English (spoken and written),
- creativity, efficiency, team work ability, carefulness, self-discipline.

Additional requirements (optional):

- knowledge of methods for molecular modeling and methods for ligand parametrization,
- practical knowledge of programs/platforms: Schrodinger, LigandScout, ICM-Pro, OpenEye.

Description of tasks:

The hired person will participate in realization of the project: "**Novel ligands of histamine receptor H4 as potential anti-allergic and anti-inflammatory drugs**".

Work in the project will mainly involve:

- homology model building of histamine receptors,
- molecular modeling simulations of receptor-ligand systems,
- analysis of structural changes in protein complexes,
- docking of small molecules to receptors and *virtual screening*.

Deadline for submissions: May 6, 2018.

We offer a full-time employment contract for 33 months. Work in Faculty of Chemistry, Biological and Chemical Research Centre, University of Warsaw, Poland.

Principal Investigator of the project: prof. Slawomir Filipek.

Description of the lab on web page: biomodellab.eu

Gross salary: over 6,000 PLN (over 1,400 EUR) per month

Application should contain:

- CV with a list of scientific achievements (publications, conferences, workshops, etc.) and contacts to two persons for recommendations. CV must contain an agreement of candidate for processing of personal data for the recruitment procedure.
- motivation letter with description of scientific interests
- copy of doctoral diploma

The applications should be sent in electronic form (*.pdf) to e-mail address sfilipek.lab@gmail.com till May 6, 2018.

Selected candidates will be informed by e-mail about date of the interview till May 13, 2018.

Expected date of the final decision: May 20, 2018.

The competition is the first step of hiring procedure for the research position and its positive conclusion is a basis for subsequent conduct.