

DIRECTOR OF THE CENTER FOR BIOTECHNOLOGY OF THE SILESIAN UNIVERSITY OF TECHNOLOGY

announces a competition for the position of adjunct for a definite period
at the Biotechnology Center

We are looking for postdoctoral researcher to conduct interdisciplinary research in the area of enzymology, protein engineering, inhibitors design, and structural biology. We wish to understand the differences in structure-function relationship in closely related enzymes to provide safe and specific inhibitors for particular pests.

JOB DESCRIPTION:

1. Expression, purification and biochemical characterisation of transmembrane proteins
2. Biophysical characteristic of proteins including ligand binding analysis
3. Participation in the development of the Laboratory for Protein and Drug Design
4. Presentations of the results at international conferences
5. Supervision and mentoring of students

APPLICATION MUST INCLUDE:

1. Application letter
2. Personal questionnaire
3. Diploma of obtaining a PhD degree in biological, chemical, biochemical or related fields
4. Curriculum vitae (CV) including a complete list of publications
5. Information on scientific and didactic achievements and the direction of its further activity
6. Opinion of an independent researcher regarding the candidate
7. Statement on the level of knowledge of an English language
8. Statement that the Silesian University of Technology will be the primary place of work
9. In the case of a candidate from outside the European Union recent working EU visa

PROFIL OF CANDIDATE:

1. Documented scientific achievements in international journals in the field of microbiology, molecular biology, structural biology and/or enzymology
2. Documented participation in international scientific conferences and research projects
3. Fluent English (minimum B2),
4. Knowledge of experimental techniques used in microbiology, structural biology, purification and modification of proteins, especially experience in isolating and obtaining transmembrane enzymes

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5. Knowledge of computational methods, experience in working with insect expression systems and experience in working on alpha/beta hydrolases will be an additional advantage
6. High motivation and enthusiasm for research, independence, good organizational skills

WE OFFER:

1. Full-time employment under the fixed period employment contract for 2 years with the possibility to extend to 4 years in the research project OPUS entitled "Design of high selective and safe juvenile hormone epoxide hydrolases inhibitors targeting selected pests based on the combination of analysis of intramolecular voids dynamics and enzymes evolution study" led by dr hab. Artur Góra
2. International and multidisciplinary environment (microbiology, enzymology, entomology, organic chemistry, computational chemistry, bioinformatics, ecotoxicology)
3. Inspiring and friendly environment realising ambitious projects in the field of protein engineering, drug development, green chemistry and environmental protection
4. Opportunities for further carrier development

SELECTED PUBLICATIONS:

Drug Discovery Today **2021**, doi: 10.1016/j.drudis.2021.05.017
Bioinformatics **2020**, 36(8), 2599-2601, doi:10.1093/bioinformatics/btz946
Chem Rev **2013**, 113, 5871–5923, doi:10.1021/cr300384w

FOR MORE INFORMATION PLEASE CONTACT:

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APPLICATION DEADLINE: 30.08.2021r
INTERVIEW: before 30.08.2021r

WHERE TO APPLY: hard copy – Biotechnology Centre, Secretary Office , H.0.16, ul. Krzywoustego 8, 44-100 Gliwice, POLAND or electronic version artur.gora@polsl.pl

RESULTS ANOUNCEMENT: 31.08.2021r