

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

announces a competition for the position of adjunct (R2 Researcher) 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, and structural biology. The position is funded under EIC Pathfinder project "Teaching Lytic Polysaccharide Monooxygenases to do Cytochrome P450 Catalysis" in cooperation with Norwegian University of Life Sciences, Technical University Graz and Institute of Catalysis and Surface Chemistry Polish Academy of Sciences.

Successful candidate will join the Tunneling Group (www.tunnelinggroup.pl) headed by dr hab. Artur Góra. Depending on the experience will lead or co-lead experimental laboratory for protein and drug design.

JOB DESCRIPTION:

1. Leading or co-leading the Laboratory for Protein and Drug Design
2. Expression, purification of proteins
3. Biophysical and biochemical characterization of proteins including ligand binding analysis, protein-protein interactions, study of the enzymatic activity and kinetics
4. Immobilisation of modified proteins on nanomaterials
5. Cooperation with *in silico* group
6. Preparation of scientific articles
7. Presentations of the results at international conferences
8. 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

Silesian University of Technology
Biotechnology Center

ul. Krzywoustego 8, room H.0.16, 44-100 Gliwice
+48 32 237 29 06
sebastian.student@polsl.pl

NIP 631 020 07 36
ING Bank Śląski S.A. o/Gliwice 60 1050 1230 1000 0002 0211 3056



ADDITIONAL REQUIREMENTS

Due to required starting date:

1. PhD diploma MUST be recognized in Poland (please visit: <https://nawa.gov.pl/en/recognition> for more information)
2. In the case of a candidate from outside the European Union recent working EU visa

PROFIL OF CANDIDATE:

1. Recognised Researcher (R2)
2. Documented scientific achievements in international journals in the field of biophysics, molecular biology, structural biology and/or enzymology
3. Documented participation in international scientific conferences and research projects
4. Fluent English (minimum B2),
5. Knowledge of experimental techniques used in structural biology, proteins characterisation, binding affinity analysis, proteins stability analysis, enzymes activity assessment, purification and modification of proteins,
6. Knowledge of bioinformatics methods, experience in working with fungal or cell-free expression systems and knowledge of MST technique will be an additional advantage,
7. High motivation and enthusiasm for research, independence, good organizational skills

WE OFFER:

1. Full-time employment under the fixed period employment contract for 1 years with the possibility to extend to 3 years in the research project EIC Pathfinder project "Teaching Lytic Polysaccharide Monooxygenases to do Cytochrome P450 Catalysis" 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. Attractive salary with additional pro-quality programmes
5. 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



Silesian
University
of Technology



Biotechnology Center

Sebastian Student

DSc, PhD, Eng, Associate Professor
Director for Science Biotechnology Center

FOR MORE INFORMATION PLEASE CONTACT:

Artur Góra - artur.gora@polsl.pl or a.gora@tunnelinggroup.pl

WEB: www.tunnelinggroup.pl, www.aquaduct.pl

APPLICATION DEADLINE: 15.04.2022

INTERVIEW: according to applications, no later than 20.04.2022

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: before 30.04.2022r

JOB STARTS: 1.06.2022

Silesian University of Technology
Biotechnology Center



ul. Krzywoustego 8, room H.0.16, 44-100 Gliwice
+48 32 237 29 06
sebastian.student@polsl.pl

HR EXCELLENCE IN RESEARCH

NIP 631 020 07 36
ING Bank Śląski S.A. o/Gliwice 60 1050 1230 1000 0002 0211 3056

