



Silesian  
University  
of Technology



Biotechnology Center

Sebastian Student

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

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

announces a competition for the post-doctoral position in virology/medical biotechnology  
for a definite period (2 years) at the Biotechnology Center

We are looking for postdoctoral researcher to conduct interdisciplinary research in the area of virology/biotechnology, in collaboration with material sciences; experience in virology is of strong advantage. The project's goal is to test series of biomaterials for their potential as antiviral and antibacterial barriers, as well as for their biocompatibility.

### JOB DESCRIPTION:

1. Propagation of low-pathogenic coronaviruses.
2. Testing experimental biomaterials for antiviral properties.
3. Presentations of the results at international conferences.
4. (Co-)supervision and mentoring of students and volunteers.
5. General tasks related to keeping cell biology/microbiology laboratory in good order.
6. Preparation of scientific manuscripts in English.

### APPLICATION MUST INCLUDE:

1. Application letter,
2. Diploma of a PhD or MD/PhD degree in biology, medicine, biochemical sciences, virology or related fields,
3. Curriculum vitae (CV) including a complete list of publications,
4. Addresses, emails and telephone numbers of 3 potential referees,
5. Applications of Polish residents residing in Poland must be in English, applicants residing abroad may alternatively apply in Polish.

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## PROFIL OF CANDIDATE:

1. Documented scientific achievements in international journals in the field of microbiology/virology, and/o molecular biology.
2. Documented participation in international scientific conferences and research projects.
3. Fluency of English confirmed by professional certificates or by scientific publications in English.
4. PhD or Master's in Virology, Microbiology, Molecular Biology, Bioengineering or a related discipline.
5. Previous research experience in work with coronaviral **particles** is of strong advantage.
6. High motivation and enthusiasm for research, scientific independence, good organizational skills.
7. **Among international candidates, priority will be given to those whose PhD-diplomas are recognised in Poland, or they have already passed the recognition process.**

## WE OFFER:

1. Full-time employment (including all medical- and social-financial benefits available to Polish population) under the fixed period employment contract for at least 2 years (initial contract are awarded for 1 year period) with the possibility of further extensions subject to funding availability.
2. International and multidisciplinary environment (cell biology, material sciences, microbiology, organic chemistry, bioinformatics).
3. Inspiring and friendly environment allowing for realizing ambitious projects in the field of biotechnology, and drug development.
4. Opportunities for further carrier development.
5. Performance-related bonuses that may exceed the basic salary level.

## EXAMPLES OF TOPIC-RELATED PUBLICATIONS:

1. Hudecki et al., Comparison of Physicochemical, Mechanical, and (Micro-)Biological Properties of Sintered Scaffolds Based on Natural- and Synthetic Hydroxyapatite Supplemented with Selected Dopants. *Int J Mol Sci*, 2022, 23:4692. doi: 10.3390/ijms23094692.
2. Drożdżał et al., An update on drugs with therapeutic potential for SARS-CoV-2 (COVID-19) treatment, *Drug Resist Updat*. 2021; 59:100794. doi: 10.1016/j.drup.2021.100794.
3. Hudecki et al., Composite Nanofibers Containing Multiwall Carbon Nanotubes as Biodegradable Membranes in Reconstructive Medicine, *Nanomaterials*, 2019, 9:63, doi: 10.3390/nano9010063.
4. Mehrbod et al., Quercetin as a Natural Therapeutic Candidate for the Treatment of Influenza Virus, *Biomolecules* . 2020; 11:10, doi: 10.3390/biom11010010.

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## FOR MORE INFORMATION PLEASE CONTACT:

Marek J. Łos: [mjelos@gmail.com](mailto:mjelos@gmail.com), [marek.los@polsl.pl](mailto:marek.los@polsl.pl), T: +48-724 222 695, +48-322372913

## APPLICATION DEADLINE:

The position is open until it will be filled (first assessment of applicants on 16.12.2022)

Top 3 candidates fulfilling the requirements will be invited for tele-interview, or interview in person, in late December-2022 and/or early January 2023. The interview will be conducted in English.

## WHERE TO APPLY:

Electronic version of application should be sent to:

[rjol11@polsl.pl](mailto:rjol11@polsl.pl) or [marek.los@polsl.pl](mailto:marek.los@polsl.pl)

**RESULTS ANOUNCEMENT:** as soon as possible (optimally in January, 2023)

### Informative clause:

According to art. 13 of the Regulation on Personal Data Protection of 27 April 2016, please be informed:

1. The controller of your personal data is the Silesian University of Technology with its registered office at Akademicka 2A St, 44-100 Gliwice,
2. The Silesian University of Technology has appointed the Data Protection Officer who can be contacted via the email address: [iod@polsl.pl](mailto:iod@polsl.pl),
3. Your personal data will be processed in order to carry out the recruitment process for work at the Silesian University of Technology,
4. the basis for the processing of your personal data is art. 221 of the Labour Code and, if you agree to use your CV in future recruitments at the Silesian University of Technology, art. 6 clause 1 point a of the GDPR Regulation shall apply,

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5. only employees authorized to process personal data to the necessary extent will have access to your personal data within the organizational structure of the Silesian University of Technology,
6. Your personal data shall not be disclosed to other entities, except in cases provided for by law,
7. Your personal data shall be stored for the period necessary to carry out the recruitment process or for the next 9 months from the end of the recruitment process, if you authorize the processing of personal data in future recruitment processes,
8. You have the right to request the access to the content of your data and, to the extent provided for by applicable regulations, the right to: rectify, delete, limit processing, raise objections; if you consent to the processing of data, you have the right to withdraw your consent at any time,
9. You have the right to lodge a complaint with the President of the Office for Personal Data Protection if you feel that the processing of your personal data violates the provisions of the General Data Protection Regulation,
10. providing data is voluntary, but necessary to achieve the purposes for which they are collected.

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