

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.

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.

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. Drożdżal 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.drug.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.

FOR MORE INFORMATION PLEASE CONTACT:

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APPLICATION DEADLINE:

The position is open until it will be filled (optimal before 30,03,2023)

Top 3 candidates fulfilling the requirements will be invited for tele-interview, or interview in person, in April 2023. The interview will be conducted in English.

WHERE TO APPLY:

Electronic version of application should be sent to:

rjo11@polsl.pl

RESULTS ANOUNCEMENT: as soon as possible (optimally in mid April, 2023)

Informative clause:

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