

*Jagiellonian University in Kraków promotes cooperation and cares for a good atmosphere based on mutual trust. It implements the strategy resulting from The Human Resources Strategy for Researchers, creating stable conditions for employment as well as the development of academic career, which resulted in the award of the HR Excellence in Research by the European Commission*

### INFORMATION ON SELECTION PROCEDURE

**Date of selection procedure announcement** Krakow, 04.07.2023

<b>Selection procedure information number given by the Centre for Human Resources</b>	1227.1101.221.2023
<b>Dean of the faculty</b>	Dean of the Faculty of Physics, Astronomy, and Applied Computer Science Prof. Dr. hab. Ewa Gudowska-Nowak
<b>Address</b>	ul. Prof. S. Łojasiewicza 11 30-348 Kraków

#### RECTOR

of the Jagiellonian University

announces a selection procedure for the position of an

#### ASSISTANT

<b>Group of employees</b>	Research staff
<b>JU organisational unit (place of work performance)</b>	Faculty of Physics, Astronomy, and Applied Computer Science
<b>Field of science</b>	Exact and natural sciences
<b>Discipline</b>	Physical sciences
<b>Scope</b>	Study of abrasive wear nanostructures on TMD materials
<b>Number of posts (in the case of more than 1 post)</b>	1
<b>Type of employment</b>	Fixed-term contract
<b>Working time</b>	40 hours per week

<b>Planned duration of employment</b>	24 months
<b>Expected date of employment commencement</b>	01.09.2023
<b>Remuneration</b>	according to the <a href="#">Rules for Remunerating Jagiellonian University Employees</a>
<b>Requirements</b>	<p>The selection procedure is open for all individuals, who meet the requirements set out in Articles 113 and 116.2.4) of the Act of 20 July 2018 – Law on Higher Education and Science, and who meet the following eligibility criteria according to § 166 of the Statute of the Jagiellonian University:</p> <ul style="list-style-type: none"> <li>• holding at least a Master's degree, Master of Science degree or an equivalent degree;</li> <li>• exhibiting aptitude for research work.</li> </ul>
<b>Additional requirements and expectations</b>	<ul style="list-style-type: none"> <li>• have experience and knowledge of AFM/STM microscopy techniques;</li> <li>• participate in an ongoing academic collaboration with leading research institutions;</li> <li>• have excellent written and oral communication skills in English</li> </ul>
<b>Project Title</b>	OPUS 22: Understanding and controlling surface manipulation and wear processes on the nanoscale
<b>Project description</b>	<p>The project aims to a deeper understanding of abrasive wear processes on transition metal dichalcogenide (TMD) surfaces. The samples will be prepared by chemical vapor deposition and magnetron sputtering and scratched by a nanoindenter and an atomic force microscope (AFM). The nanostructures (flakes, chips, clusters) formed in the wear process will be imaged and characterized also by AFM. Different working conditions (humid and high vacuum environments, variable temperatures) will also be investigated. Molecular dynamics simulations will reproduce selected stages of layer rupture, exfoliation and debris formation to gain view on atomistic mechanisms which are not accessible experimentally. All in all, the project will shed light on fundamental mechanical and tribological properties of TMDs, which are rarely addressed in the literature. The results can also suggest optimum strategies for applications of TMD materials as solid lubricants or as protective layers for machine components.</p>
<b>Scope of duties</b>	<p>The Assistant will</p> <ul style="list-style-type: none"> <li>- investigate environmental effects influencing nanowear structures on TMD materials;</li> <li>- support the operation of a UHV-AFM setup required in a WP of the project</li> </ul>
<b>We offer</b>	<ul style="list-style-type: none"> <li>• stable employment based on an employment contract at the renowned university,</li> <li>• cooperation with the interdisciplinary academic community represented by well-known scientists,</li> <li>• scientific support as well as the possibility of qualifications improvement and professional development,</li> <li>• access to research infrastructure,</li> <li>• benefits in the form of i.a. Multisport card, sports activities, medical packages, group insurance,</li> <li>• additional social benefits.</li> </ul>
<b>Required application documents</b>	<ol style="list-style-type: none"> <li>1. resume,</li> <li>2. personal questionnaire filled in by the candidate,</li> <li>3. copy of the master's diploma or a doctoral diploma, if applicable,</li> <li>4. information on the candidate's scientific, teaching and organisational achievements,</li> <li>5. declaration of the candidate, confirming that the Jagiellonian University will be their primary place of work, should they be</li> </ol>

	<p>selected in the selection procedure,</p> <p>6. statement under Article 113 of the Law on higher education and science,</p> <p>7. statement on acknowledging and accepting the rules and regulations concerning intellectual property management and commercialisation in force at the Jagiellonian University.</p> <p><b>Declaration forms (no. 5-7) and personal questionnaire template (no. 2) can be obtained at:</b>  <a href="https://cso.uj.edu.pl/en_GB/konkursy">https://cso.uj.edu.pl/en_GB/konkursy</a></p>
<b>Additional application documents</b>	<p>1. list of publications (along with the respective publishing houses and the number of pages), if any,</p> <p>2. recommendation concerning the candidate's predisposition to work as an academic teacher and research work, including the results of student surveys and evaluations, if the candidate was subject to such evaluation.</p>
<b>The course of selection procedure</b>	<p>The first stage of the selection procedure is the formal assessment of the submitted documents. Applications which meet all formal requirements are the subject of substantive assessment, during which an interview with the Candidate may be conducted (directly or via electronic communication channels), upon settling the date of the interview with the Candidate. The Candidate has the right to appeal against the negative assessment by the selection board within 7 days from receiving the information about the results of the assessment.</p>
<b>Form of submission</b>	<p>by e-mail to the address: <a href="mailto:enrico.gnecco@uj.edu.pl">enrico.gnecco@uj.edu.pl</a>,  title: Application for Assistant position</p>
<b>Deadline for submission of applications</b>	18.07.2023
<b>Expected date of the selection procedure settlement</b>	till 4.08.2023
<b>Method of communicating of the results of the selection procedure</b>	by e-mail
<b>Questions</b>	<p>For further information please contact Dr. Enrico Gnecco, e-mail address: <a href="mailto:enrico.gnecco@uj.edu.pl">enrico.gnecco@uj.edu.pl</a></p>

In the selection procedure, the Jagiellonian University follows the principles of the European Charter for Researchers and a Code of Conduct for the Recruitment of Researchers. Jagiellonian University does not provide housing.

On behalf of  
the Rector of the Jagiellonian University  
Dean of the Faculty of Physics, Astronomy, and Applied  
Computer Science  
Prof. Dr. hab. Ewa Gudowska-Nowak

## Personal data processing information for job applicants

According to Article 13 of the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation – hereinafter GDPR), the Jagiellonian University informs that:

1. The Administrator of your personal data is the Jagiellonian University with its registered office in Gołębia 24, 31-007 Kraków, represented by the Rector of UJ.
2. The Jagiellonian University appointed the Data Protection Officer [www.iod.uj.edu.pl](http://www.iod.uj.edu.pl), Gołębia 24, 30-007 Kraków. The Officer can be contacted by email: [iod@uj.edu.pl](mailto:iod@uj.edu.pl) or at the telephone number 12 663 12 25.
3. Your personal data will be processed in order to:
  - a. conduct recruitment process for the position specified in the above advertisement – as part of the legal obligation of the Administrator pursuant to Art. 6 (1) lit c of the GDPR in connection with the Polish Labour Code;
  - b. conduct recruitment process for the position specified in the above advertisement based on your consent pursuant to Art. 6 (1) lit a of the GDPR – your consent is granted by the clear action of submitting your CV with the Administrator. The consent to the processing of personal data concerns data that you voluntarily provide as part of your CV, which do not result from Polish Labour Code.
4. The obligation to provide your personal data results from the law (it applies to personal data processed under Article 6 (1) lit c of the GDPR). Failure to provide your personal data will result in your inability to take part in the recruitment process. Submission of personal data processed on the basis of consent (Article 6 (1) lit a of the GDPR) is voluntary.
5. Your data will be processed during the recruitment period. In the event of not concluding the contract with you, your data will be deleted after the recruitment process.
6. You have the right of access to the content of your personal data, as well as the right to correct, delete, restrict processing, transfer, object to processing – on the terms and conditions set out in the GDPR.
7. If the processing is based on consent, you have the right to withdraw the consent at any time, which shall not affect the lawfulness of processing based on the consent given before the withdrawal. Withdrawal of consent to the processing of personal data can be sent by e-mail to: [enrico.gnecco@uj.edu.pl](mailto:enrico.gnecco@uj.edu.pl) or by post to the following address: **Faculty of Physics, Astronomy, and Applied Computer Science, Łojasiewicza 11, 30-348 Krakow** or you can withdraw your consent in person.
8. Your personal data will not be subject to automated decision making or profiling.
9. You have the right to lodge a complaint with the Inspector General for the Protection of Personal Data, if you feel that the processing of your personal data violates the GDPR regulations.