

JOB OFFER

Position in the project:	Research assistant
Scientific discipline:	Bioinformatician / Computational Biologist (Multi-omics research in oncology)
Job type:	Employment contract, fixed term, initially for 6 months and extending to 2 years
Number of job offers:	1
Remuneration:	Remuneration up to 7 200 PLN/ month (before tax) including work experience bonus; Variable bonuses: - yearly additional remuneration bonus (after if working for UG 6 months in a given calendar year); - yearly additional incentive payment of up to 20% of yearly salary
Position starts on:	As soon as possible, upon negotiations
Maximum period of contract:	2 years
Institution:	University of Gdańsk, International Centre for Cancer Vaccine Science, Gdańsk, Poland
Project leader:	Dr Javier Alfaro
Project title:	<i>Knowledge At the Tip of Your fingers: Clinical Knowledge for Humanity</i> , acronym: KATY, funded from Horizon 2020
Project description:	The KATY project (https://katy-project.eu/), funded from the European Union's Horizon 2020 Framework Programme, has set out to build a precise personalised medicine system empowered by Artificial Intelligence (AI). The novel AI tool aims to predict the response of kidney cancer to targeted therapies and identify the molecular evidence to support these predictions. Most importantly, the KATY system will offer human interpretable knowledge that clinicians and clinical researchers can trust, adequately evaluate and effectively use in their everyday working routine. To achieve these goals, we will build an infrastructure of biological, clinical and omics data. The data will derive from public resources as well as cohorts profiled by consortium partners. Ethical and privacy concerns will be evaluated to ensure appropriate laws and norms are respected. The project is conducted in an international consortium of 20 partner institutions across Europe.



We offer:

The candidate will work at the International Centre for Cancer Vaccine Science at the University of Gdańsk – ICCVS (www.iccv.ug.edu.pl). ICCVS has been established in 2017 under the International Research Agenda Programme of the Foundation for Polish Science and funded from the funds of the European Regional Development Fund under the Smart Growth Operational Programme, Priority Axis 4: Increasing the research potential, Measure 4.3: International Research Agendas. ICCVS's strategic partner is the University of Edinburgh, UK. ICCVS provides an exceptional opportunity for motivated staff members to work in an international multidisciplinary training environment to tackle major challenges at the interface between basic cancer discovery science and translational medicine. The advertised position is 100% focused on research (no teaching obligations).

Key responsibilities/
objectives:

The objectives on which the recruited bioinformatician will work are threefold: (i) In collaboration with KATY partners, he/she will identify and collect data collections needed to carry out the project. Biological, clinical, therapeutic response and omics data generated from cell models and normal and tumor tissues will be considered. Homogeneous data reprocessing will be carried out based on the best bioinformatics practices established with researchers and clinicians from the consortium (ii) Omics data engineering approaches (i.e. feature engineering) will use quantitative measurements across the central dogma (genes, proteins, metabolites) to model perturbations at higher levels of abstraction. In particular, we will have a focus on immunology and antigen presentation. (iii) Finally, the recruited person will participate in the design and implementation of a Data Lake, making it possible to efficiently host and query these large-scale datasets, and of a Knowledge Graph in collaboration with experts in these fields.

Profile of candidates/
requirements:

M.Sc. or M.Sc. Eng. diploma in bioinformatics / computational biology;
at least 2 years of experience preferred;
Good knowledge of biology, oncology and omics data
- cancer biology, cell types, biological pathways, anticancer therapies
- transcriptome, proteome, metabolome
Good experience in bioinformatics
- programming language (Python, R)
- processing, exploration and visualization of omics data
- network / systems biology
- machine learning



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- biostatistics
 - unix command line

Professional attitude

- curiosity and willingness to improve one's scientific and technological skills and productivity
- rigor and organization
- ability to work in team and interact with people of different backgrounds

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- Required documents:
1. CV
 2. Motivation letter
 3. M.Sc. Diploma*
 4. Preferably two referral letters

*Please note that in case of diplomas not recognized in the EU a formal recognition procedure will need to be completed by the candidate before the employment can be started.

Please submit the following documents to: iccvs@ug.edu.pl quoting the reference: KATY/RA1

Application deadline: 6 April 2021

For more details about the position please visit: www.iccvs.ug.edu.pl

Euraxess job/stipend offer (in case of PhD and postdoc positions): <https://euraxess.ec.europa.eu/jobs/612126>

Please include in your offer the consent for processing personal data as below:

„I consent to the processing of my personal data by the University of Gdańsk contained in the application documents for the needs necessary to carry out the recruitment procedure, including the competition for the position of research assistant in University of Gdańsk, International Centre for Cancer Vaccine Science, in accordance with the General Data Protection Regulation of 27 April 2016.

In addition, I declare that I have been informed of the possibility of withdrawing consent at any time and that its withdrawal does not affect the legality of the processing which was carried out on the basis of consent before its withdrawal.”

Information clause

In accordance with the General Data Protection Regulation of 27 April 2016 hereinafter referred to as GDPR, we inform that:

1. The Administrator of your personal data is the University of Gdansk with headquarters in (80-309) Gdańsk, ul. Jan Bażyńskiego 8.
2. The administrator of personal data has appointed the Data Protection Officer, which can be contacted on the phone number (58) 523 24 59 or e-mail address: poin@ug.edu.pl.
3. Your personal data will be processed in order to carry out the recruitment process for the position of research assistant in the University of Gdańsk, International Centre for Cancer Vaccine Science,



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4. The legal basis for the processing of your personal data for the purposes of recruitment is art. 6 par. 1 lit. c GDPR – processing is necessary to fulfill the legal obligation incumbent on the administrator resulting in particular from art.118 a of the Law on Higher Education and art. 221 of the Act - Labor Code. A premise that legalizes the processing of personal data voluntarily provided by the candidate, going beyond the scope of data indicated in art. 221 of the Act - Labor Code will be art. 6 par. 1 lit. a GDPR - consent of the data subject.
 5. Providing your personal data by yourself, after making a decision about joining the recruitment process is obligatory in the scope specified in art. 22 ¹ of the Labor Code and the Law on Higher Education and conditions the possibility of applying for employment and possible further employment. In the case of providing personal data going beyond the above law - providing your personal data by yourself is voluntary but it determines the possibility of participation in the recruitment process
 6. Your personal data will be processed on behalf of the data controller by authorized employees only for the purposes referred to in par. 3.
 7. Your personal data will be kept for the period necessary to achieve the objectives set out in paragraph. 3. In the case of a negative result of your recruitment, your data will be deleted immediately after the recruitment is completed, unless the law requires the archiving requirement within the specified scope - for the time specified in these provisions.
 8. Your personal data will not be disclosed to third parties, except as provided for by law. In the case of submission of application documents by electronic means, the recipient of your data may be an entity acting on behalf of the administrator, ie an entity that is the operator of the postal service.
 9. Under the rules laid down in the provisions of the GDPR, you are entitled to:
 - a. the right to access the personal data,
 - b. the right to rectify them when they are inconsistent with the real state,
 - c. the right to remove them, limit processing and transfer data - in cases provided for by law,
 - d. the right to object to data processing,
 - e. the right to lodge a complaint to the supervisory body - the President of the Office for Personal Data Protection, when you think that the processing of your personal data violates the provisions on the protection of personal data.

