

## Offer number 2018-146



Jagiellonian Centre  
for Experimental Therapeutics

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[www.jcet.eu](http://www.jcet.eu)

INSTITUTION: Jagiellonian Centre for Experimental Therapeutics (JCET),  
Jagiellonian University

CITY: Kraków

POSITION: research assistant

DISCIPLINE: chemometrics, biophysics, biochemistry

POSTED: 22<sup>nd</sup> January 2018

EXPIRES: 01<sup>st</sup> May 2018

WEBSITE: [www.jcet.eu](http://www.jcet.eu)

KEY WORDS: Chemometrics, advanced data analysis, vibrational spectroscopy

DESCRIPTION (field, expectations, comments):

### **The tasks of an employed person will include:**

- advanced chemometrics of the Raman and IR results;
- basic Raman and IR measurements;
- multivariate data analysis of all obtained biological datasets;
- preparation of algorithms for semi-automatic analysis;
- comprehensive data analysis in form of report and publication preparation;
- performance of assigned tasks and instructions of the grant PI, in accordance with general regulations;
- observance of the work discipline as well as good laboratory practice rules;
- taking care of the laboratory equipment.

### **Requirements:**

- PhD in chemistry, physics, chemometrics, bioinformatics, biostatistics, or related discipline;
- experience in multivariate data analysis and handling large biological data sets;
- strong practical background in computer/statistical programming;
- evidence of the ability to design and implement statistical or machine-learning algorithms;
- promote and publish in this area of research;
- engage in the training of project team members
- very good scientific activity;
- fluent English, spoken and written.
- preferably, knowledge in the field of biological samples analysis, including cells/tissues;
- preferably, experience in participating or conducting interdisciplinary research;
- preferably, experience in vibrational spectroscopy and chemometric analysis of spectroscopic data (data processing on Matlab)
- preferably, experience in working with high volumes of data across multiple platforms of software (e.g. Matlab, Opus, CytoSpec)

### **We offer:**

- work at the interdisciplinary JCET laboratories,
- access to the modern research equipment (see: [www.jcet.eu](http://www.jcet.eu)),
- friendly, inspirational, interdisciplinary work environment.

Required documents:

- 1) letter of application with the announcement number,
- 2) curriculum vitae,
- 3) publications list,
- 4) personal questionnaire,
- 5) copy of the PhD diploma,
- 6) declaration that Jagiellonian University will be the main employer, in case of successful recruitment process,
- 7) declaration, according to the article 109, paragraph 1 of the Higher Education Law;
- 8) declaration of familiarity and acceptance of the rules on the intellectual propriety.

The forms are downloadable from the website:

<http://www.dso.uj.edu.pl/druki-do-pobrania/dokumenty-dla-kandydatow-pracownikow>

Each candidate is requested to apply his/her CV, job application letter (with number of the offer 2017-146 in its title) and publications list in paper version to the post address: Jagiellonian Centre for Experimental Therapeutics, ul. Bobrzyńskiego 14, 30-348 Kraków, Poland or by email address: [rekrutacja@jcet.eu](mailto:rekrutacja@jcet.eu)

Please, include in your documents this statement:

*“I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.”*