

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

CITY: Kraków

POSITION: research assistant

DISCIPLINE: pharmacology/biochemistry/biotechnology

POSTED: 5<sup>th</sup> December 2017

EXPIRES: 19<sup>th</sup> December 2017

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

KEY WORDS: cytometry, endothelium, cell growth.

DESCRIPTION (field, expectations, comments):



Jagiellonian Centre  
for Experimental Therapeutics

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fax +48 12 297 46 15  
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[www.jcet.eu](http://www.jcet.eu)

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

- planning, monitoring and performing experiments aiming at functional, biochemical, molecular and cytometric analysis of primary mouse endothelial cells in the course of the mouse heart failure development
- phenotype studies of the of primary endothelial cells isolated from the murine lungs.
- primary mouse endothelium cells culture under the static and flow conditions. Endothelial cells flow culture in the microfluidic devices
- conducting research with the confocal imaging cytometry and flow cytometry
- conducting studies using the model of leukocyte adhesion to endothelium
- analysis of the obtained results and preparation of cyclical reports
- preparation of scientific publications
- active cooperation with the JCET team
- care for entrusted laboratory and scientific equipment
- timely and correct performance of entrusted tasks
- compliance with the personal and scientific data protection
- compliance with the work discipline, bhp and fire safety rules as well as with the Good Laboratory Practice (GLP).

**Requirements:**

- PhD degree in the field of medical, pharmaceutical, biochemistry, biotechnology or related sciences,
- high evaluation of the PhD dissertation or a distinguished master's thesis,
- positive opinion of a scientific supervisor about predispositions for scientific research, and in the case of a candidate without a doctoral degree, also information about the prospects of obtaining a doctoral degree,
- knowledge and at least 3 years of documented experience in conducting in vitro experiments on the cellular systems,
- knowledge of the vascular endothelium physiology, pharmacology, biochemistry,
- knowledge of the techniques used for the endothelial cell phenotype analysis (functional, biochemical, molecular, cytometric),
- preferred completed training entitling to the killing of animals and allowing for planning and performing procedures on animals,
- documented participation in research works,
- fluent knowledge of English in speech and writing.

Additional requirements:

- experience in the isolation of primary endothelial cells and in the analysis of their phenotype by various methods,
- experience in interdisciplinary scientific research.

**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 2017-145 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.”*