St. Anne's University Hospital is recruiting, as part of International Clinical Research Center activities (FNUSA-ICRC), candidates for the job title as follows:

Senior Postdoctoral Fellow, Cardiovascular System Mechanobiology (CSM)

International Clinical Research Center (ICRC)

St. Anne's University Hospital, Brno - Czech Republic

We are offering a Senior postdoctoral position within the research team of Dr. Giancarlo Forte at the International Clinical Research Center of St. Anne's University Hospital in Brno, Czech Republic.

We are willing to hire a motivated fellow able to develop his/her own research project within the Cardiovascular System Mechanobiology (CSM) Group in the Center for Translational Medicine (CTM).

About FNUSA-ICRC

The International Clinical Research Center of St. Anne's University Hospital in Brno (FNUSA-ICRC), Czech Republic, is a new-generation research center focusing on the pathogenesis of diseases including finding new methods, technologies and medicaments for effective prevention, early diagnostics and individualized treatment.

We are a top Central European research center with more than 200 researchers, new technologies and experience in using EU grant support. We focus on research and development in the fields of cancer, immunological, cardiovascular and neurological diseases. Our partners are world-class research centers and universities. For more reference, you can see our website: http://www.fnusa-icrc.org/en/

The Laboratory

The ***Center for Translational Medicine*** (CTM) is the basic research unit of ICRC. It is composed by researchers, students and technical support of different nationalities and features top notch research equipment installed in brand new laboratories.

CTM currently hosts 6 independent PIs investigating the molecular determinants of various pathologies.

The ***Cardiovascular System Mechanobiology*** group (CSM) is mainly interested in correlating defects in tissue-specific cell mechanobiology system with the onset of cardiac pathologies. CSM takes advantage of cutting-edge technologies for live imaging, cell separation and high-throughput gene and protein analysis to highlight perturbations in the mechanosensing apparatus occurring in the cardiac tissue and cells derived from patients, as well as induced pluripotent stem cells and animal models.

Area of research

Like shown in our latest publications (Nardone, Oliver-De-La-Cruz et al, **Nat Commun** 2017, doi:10.1038/ncomms15321; Mosqueira, Pagliari et al, **ACS Nano** 2014, doi: 10.1021/nn4058984) the ***Cardiovascular System Mechanobiology*** Group (CSM) is dedicated to highlight the molecular basis of cell mechanobiology, with a particular interest in Hippo pathway regulation by ECM mechanics and nanotopography.

The new fellow will be asked to develop his/her own original research topic in cell mechanobiology, by taking advantage of the unique skills in cell-matrix interaction, biomaterials, biomechanics, molecular and cellular biology already present in the lab.

For more information, please refer to the following websites:

https://www.fnusa-icct.com

https://www.fnusa-ctm.org

https://www.fnusa-icrc.org/en/index.html

Personal and professional requirements:

- The applicant will possess excellent interpersonal skills, strong problem-solving abilities as well as organizational capabilities.

- Fluency in English (spoken and written) is expected.

- PhD in Biological Sciences, Biotechnology, Biomedical Engineering or equivalent.

- Previous experience with cell cultures and molecular biology is needed.

- Experience with cell-matrix interaction and/or cell mechanics, or with bioinformatics will be considered a plus.

- Strong record of publications;

- Ability to work in a team and coordinate students.

Entry requirement and working conditions

A person is eligible for a position as Postdoctoral Researcher if he or she has obtained a PhD no more than seven years before the last date of employment as postdoc. The term can be extended under special circumstances.

The appointment will be initially for 1 year, with a possible extension after evaluation. The candidate will be ensured a competitive salary, great working conditions and substantial support to start his/her own project within the group.

The candidates are invited to send a cover letter and a copy of their CV including full list of publications to the following email address:

jobs.icrc@fnusa.cz

Selection process:

Received applications will be reviewed. Shortlisted candidates will be contacted and invited for an interview.

Informal inquires can be directed to Dr. Giancarlo Forte (giancarlo.forte@fnusa.cz) or Ms. Tereza Kejdova (tereza.kejdova@fnusa.cz).

Start Date: Fall 2017

Disclaimer:

We are pleased to consider all qualified applicants for employment without regard to age, gender, marital status, sexual orientation, race, color, religion, ethnicity, disability, national origin, nationality, political opinion or any other aspect unrelated to work.

By responding to this invitation and/or sending your CV and any other personal materials to St. Anne's University Hospital, you consent to the collection, processing and storage of your personal data in accordance with Act No. 101/2000 Coll., the protection of personal data. You are providing St. Anne's University Hospital with these data solely for the purpose of mediating employment, the period however being no longer than one year from submitting. Should you not reclaim the materials submitted by you, they will be discarded after the period has expired.