

Postdoctoral researcher in Biochemistry / Molecular Biology

We are offering a position of Postdoctoral researcher within the research team of Dr. Lukáš Kubala focused on evaluation of the molecular aspects of adenylyl cyclases at the International Clinical Research Center of St. Anne's University Hospital in Brno (FNUSA – ICRC).

Project: Isoforms of adenylyl cyclases as new perspective drug targets

Start Date: 1. November 2017

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 mainly in the fields of cardiovascular and neurological diseases. Our partners are world-class research centers and universities. For additional information, you can see our website: <http://www.fnusa-icrc.org/en/>

Job Description:

Postdoctoral researcher

Expertise: Biochemistry and molecular biology

- Evaluation of the molecular aspects of selective modulation of adenylyl cyclases for potential pharmaceutical applications.
- Enzymology of individual isoforms of human adenylyl cyclases.
- Determination of enzyme kinetics and screening of specific activators and inhibitors using the recently developed screening methods suitable for detection of the enzymatic activity of all different membrane-bound human adenylyl cyclase isoforms in both membrane-based and cell-based set up.

Desirable Qualification:

The applicant should have a solid knowledge of biochemistry and molecular biology with special focus on enzymology. Previous exposure to drug design will be advantageous. The expertise of the applicant in basic methods of biochemistry and molecular biology and other advanced techniques should cover the following:

- Ph.D. in biochemistry or molecular biology
- Advanced experience in functional characterization of proteins
- Protein expression and purification
- Evaluation of drug potencies and drug screening
- Good level of communication in English language (verbal and written)

Personal characteristics:

- Highly motivated
- Independent thinking
- Good organizational and communication skills
- Ability to develop and apply new concepts
- Creative approach to problem-solving
- Flexible attitude



We offer:

- Interdisciplinary project focused on publication output in top-class scientific periodicals (see e.g. our recent publication O. Hylse et al. A concise synthesis of forskolin. *Angew. Chem. Int. Ed.* **2017**, DOI: 10.1002/anie.201706809)
- International team with a strong publication track record and international collaborations.
- Full-time job with fixed-term contract for 24 months- temporary
- A fully funded position with competitive salary in a well-established laboratory.
- The successful candidate can start immediately.

How to apply:

Please submit your application, including CV with 2 academic referees and a cover letter to jobs.icrc@fnusa.cz.

Application deadline is 30th September 2017. We are looking forward to hearing from you!

Selection process:

All received applications will be reviewed carefully, with focus on the excellence of candidates. Shortlisted applicants will be contacted and invited for an interview.

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.

