POST-DOC POSITIONS: MICROENVIRONMENTAL INTERACTIONS AND NON-CODING RNAs IN CHRONIC LYMPHOCYTIC LEUKEMIA AND B-CELL LYMPHOMAS

We are looking for motivated Post-Docs for a project funded by the ERC (European Research Council) Grant (laboratory of Assoc. Prof. Marek Mraz [www.ceitec.cz/mrazlab], CEITEC Masaryk University, Czech Republic). The laboratory is focused on the basic and translational biology of microenvironmental interactions and B-cell Receptor (BCR) signaling in B cell leukemias and lymphomas. Targeting microenvironmental interactions is a promising therapeutic strategy in B cell neoplasms, and we mainly use chronic lymphocytic leukemia (CLL) and follicular lymphoma/DLBCL as model diseases. Our overall goal is to understand the microenvironmental interactions in B cell malignancies, and also based on this knowledge to develop a novel mouse model for patient-derived xenografts. We are deciphering novel mechanisms of BCR signalling regulation mediated by microenvironmental signals, CD20, p53, and the signals from T cells (Pavlasova et al. Blood, 2016; Pavlasova et al. Leukemia, 2018). We showed for the first time that non-coding RNAs, namely microRNAs (miRNAs), regulate the BCR signaling which opens an interesting field of research (Musilova et al. Blood, 2018; Mraz et al. Blood, 2014; Cerna et al. Leukemia, 2018). We have identified candidate miRNAs, lncRNAs and protein-coding genes that might act as novel regulators of the crosstalk of BCR signalling/T-cell interactions/adhesion in B cell malignancies. This will be further investigated by the post-doctoral researcher using technics such as NGS miRNA/RNA sequencing, genome editing (Crispr/Cas9), functional studies with various in vitro models and co-culture systems. The research is also relevant for pre-clinical development of novel miRNA-based therapeutic trials, and resistance mechanisms to BCR inhibitors.

Your profile:
- Motivated smart people that have the “drive” to work independently, but also willing to learn from other people in the lab and collaborate.
- Candidates should have PhD degree (or expected within 6 months of applying) in Molecular biology, Oncology, Biochemistry, or similar field and have deep interest in molecular biology and cancer cell biology (preferentially experience with Non-coding RNAs/CLL/lymphoma/immune-cell biology).
- The Post-Doc position is for 2-5 years. Post-Doc position will start January-June 2019 (later dates are negotiable). Apply as soon as possible.
- The position is NOT associated with any teaching obligations.

What do we offer:
- project funded by the prestigious ERC grant = high risk and high gain, state-of-the-art instruments, stable funding, competitive salary, collaboration with top experts in the field
You will work in a team of young investigators that challenge some long-standing problems in hematology (we have access to a large biobank of primary samples).

**And more:**
- Interesting job in a dynamically expanding university area
- Independent and responsible work
- Employment in world-renowned university
- Pleasant working environment
- Incentive wage and work conditions
- Employee benefits (meal contribution, 6 weeks of holiday, retirement contribution, healthcare benefits, discounted ticket prices to the cinema, library free for your use, discounted training courses)

**To apply:**
- To apply please send CV with two references and a full list of publications to the PI Marek Mraz: marek.mraz@email.cz *(Subject: Post-Doc position).*
- Information about the laboratory at: http://mrazlab.ceitec.cz/positions.html

**OTHER INFO:** The research is funded by ERC Starting grant, and will be conducted at CEITEC MASARYK UNIVERSITY. Our laboratory extensively collaborates with the University Hospital Brno in the same campus to obtain primary samples from patients. The campus provides a vibrant, multidisciplinary and highly collaborative scientific environment. The lab is located in Brno, the second-largest city in Czech Republic that has the biggest concentration of biomedical research in the region. Brno is one of the major cultural hubs, with a vibrant and lively atmosphere housing ~60,000 students. The city has a very good public transport and plenty of interesting places to visit within the reach of trains (within small distance of several major cities such as Prague, Vienna, Bratislava, Budapest) and close to international airports.

**Information about Brno, Czech Republic**
- The capital of South Moravian Region and the second largest city in the Czech Republic with a population of almost 400,000 people
- Modern, dynamic and fast growing centre of industry, trade, science, research and innovation with business incubators and centres of excellence in science
- A city of universities with more than 86,000 students
- More than 10,000 researchers; 2,200 IF publications/year; 600+ PhD graduates/year,
- 500 mil. EUR of R&D investment per year, more than 350 companies with in-house R&D,
- City of Gregor Mendel, the founder of genetics; the prestigious Mendel Lectures series takes place in Brno since 2003 (lectures of the world’s top scientists, including Nobel Prize winners)
- **Quality of life index in 2016**

**For further information about:**
- **CEITEC, please visit** www.ceitec.eu
• CEITEC Welcome Office, please visit https://www.ceitec.eu/welcome-office/t9794
• Masaryk University, please visit www.muni.cz
• Brno, please visit http://www2.brno.cz/index.php?lan=en&nav01=20608&nav02=20617

Similar jobs
• Postdoctoral Research Assistant, Blizard Institute
  QUEEN MARY UNIVERSITY OF LONDON
• Postdoctoral Research Assistant in Epigenetics/Genetics
  QUEEN MARY UNIVERSITY OF LONDON
• Post Doctoral Research Assistant, Barts Cancer Institute
  QUEEN MARY UNIVERSITY OF LONDON

More searches like this
• Fixed Term Biological Sciences Postdocs jobs in United Kingdom
• Fixed Term Life sciences Postdocs jobs in United Kingdom