

Posting for a Research Associate in the lab of Dr. Svetlana Komarova Faculty of Dentistry

Posting Period: June 1, 2018 to July 1, 2018

Position title: Research Associate

REF # 2018-01RA

The primary purpose of this position is to conduct research and perform experiments related to the specific aims of the research projects funding this position. Specialized technical knowledge and experience with animal (mouse) handling, protocols and ethics. Publications in field related top journals, presentations at major research conferences, and international research experience are strongly preferred. Reports to the Principal Investigator.

Job responsibilities

- Under general supervision and direction from the PI, develops and implements original experiments within the guidelines of the research
- Responsible for developing and conducting research experiments cellular and molecular biology, tissue and organ culture.
- Strong experience in mouse experimentation including transgenic models, animal models of diseases, breeding, drug delivery.
- Conducts data analysis and interpretation
- Trains and supports other staff and students in the operation of equipment and laboratory protocols
- Participates at conferences or meetings with collaborators
- Maintains laboratory documentation of research procedures
- Establishes and maintains effective, productive relationships with staff, peers, PI, senior leadership, and with the campus community

Education:

- PhD in Physiology/Medicine/Cell Biology/Biology/Biochemistry or related fields. Equivalent experience will be considered
- Completion of post-secondary education in related discipline

Particular abilities:

- Ability to provide technical support for other team members through advice on technical lab issues
- Experience in animal (mouse) handling, breeding, drug delivery, tissue dissection and preparation for further analysis
- Specialized skills in molecular biology and biochemical techniques (DNA, RNA and protein), cell biology, cell culture as well as imaging techniques such as light and fluorescence microscopy
- Specialized skills in characterizing bone phenotype using histomorphometry, microCT and material testing techniques including 3-point-bending
- Strong knowledge of theory and practical application of technical procedures and techniques in gene expression, enzyme assays and immunoblotting
- Ability to work independently and as part of a team
- Regular conference participation, publication of manuscripts, grant writing
- Intermediate to professional skills in Microsoft Office and statistical analysis software, as well as specialized software in particular relevant to bone characterization
- Excellent written and oral English communication skills
- Strong organizational skills
- Ability to initiate and maintain collaboration with other hospitals/institutes/universities
- Must be open to learning and development and be willing to accept new challenges and assignments
- Knowledge of University core business systems is desirable
- Ability to communicate with various levels of management and university groups, as well as external parties to the university

Qualifications:

Be highly organized, with proven experience in a laboratory environment. Have good interpersonal skills and be able to interact productively and accurately with other team members. Should be able to: exercise scientific judgment and independence. Plan and execute research strategies in a goal-oriented fashion. Troubleshoot, generate, analyze, and interpret data. Contribute ideas, novel techniques, or resources to advance goals. Maintain accurate and detailed records of lab experiments.

Name of the immediate supervisor: Dr. Svetlana Komarova, Associate Professor, Faculty of Dentistry, McGill University

Period of appointment

July 2, 2018 – July 1, 2019 with option to renew upon mutual agreement.

Initial Salary

\$27.37 per hour (could be negotiated based on candidate's experience)

Work Schedule:

From Monday to Friday, from 8:00 a.m. to 5:00 p.m

The regular work week will be 35 hours.

Occasional overtime required by cell culture or animal experiments.

Location of Work

Shriners Hospital for Children, 1003 Decarie Blvd, Montreal, QC H4A 0A9