MSc or PhD student

Job Description

The Cardiovascular Epigenetics Laboratory at the Montreal Heart Institute is recruiting a talented MSc or PhD student in biomedical sciences or biochemistry who is interested in studying the role of the non-coding genome in the regulation of cardiac development and disease. This study aims to unravel the impact of non-coding DNA variants and non-coding RNAs on transcriptional regulation in heart development and disease (Circulation Research 127 (6), 761-777; Circulation 142 (9), 910-912).

Job Responsibilities

- Perform cell culture and differentiation of pluripotent stem cells to cardiomyocytes
- Generate transcriptomic and Epigenomic libraries for sequencing (ATAC-seq, ChIP-seq, Hi-C, RNA-seq)
- Supervise and train undergraduate students
- Participate in writing research proposals and articles

Job Requirements:

- A MSc or BSc graduate in Biomedical sciences
- Experience with general cell culture and differentiation of pluripotent stem cells
- Experience with generation of next-generation-sequencing libraries such as RNA-seq, and ChIP-seq, will be advantageous
- Ability to write and contribute to research articles
- Excellent interpersonal, written and oral communication skills
- Ability to work independently

Interested Candidates should send their CV to

mdccgoa@nus.edu.sg or george.anene@icm-mhi.org

Atte: Anene-Nzelu George

Asst. Prof Montreal Heart Institute