



The [Koelwyn lab](#) is seeking a full-time **research lab manager** with an interest in translational (mouse to human) research in exercise and disease pathogenesis. Our lab specifically studies how exercise induces adaptations across the inflammatory-immune axis to improve outcomes in individuals at risk for, or diagnosed with, cardiopulmonary disease and cancer. The lab is located at the Centre for Heart Lung Innovation (HLI), which is situated within Providence Health Care's St. Paul's Hospital in downtown Vancouver.

The successful candidate will:

- Manage ordering and organization of lab materials
- Centralize and update experiments and lab procedures using an online platform
- Oversee the maintenance and upkeep of research equipment for blood and tissue analysis
- Oversee and organize lab communication software
- Assist in mouse protocol development and maintenance
- Manage mouse colony and relevant genotyping by PCR and flow cytometry
- Assist lab members in experimental procedures
- Analyze peripheral blood and tissues from mice and humans using hematology analysis and flow cytometry
- Prepare DNA and RNA from primary mouse tissues and human blood cells for quantitative RT-PCR analysis
- Perform analyses on mouse and human primary cells, as well as maintain mouse cell lines in vitro

Prerequisites:

- BSc in Health or Life Sciences, Cell or Molecular Biology, Biochemistry, or related fields
- Strong organizational and record-keeping skills
- At least 1-2 years of experience working with mice and/or cell culture experiments
- Experience with molecular biology including PCR
- Ability to learn new techniques, work independently, and teach skills to new trainees

Interested applicants can apply directly to Graeme (email: gkoelwyn@sfu.ca).

