



PhD Position in Stem Cell Biology and Regeneration Medicine

Department of Biological Sciences, University of Calgary, Canada

A PhD position is currently available for highly motivated individuals with an interest in stem cell biology, regeneration medicine, degenerative disease, inflammatory disorders, DNA damage response, single-cell genomics, epigenetics, bioinformatics and CRISPR-Cas9 technologies. The position will be located in the laboratory of Dr. Arshad Ayyaz (www.ayyazlab.ca) who is using the mammalian intestine, several in vivo and in vitro 3D organoid models and state-of-the-art single cell 'omics and genome editing techniques to uncover the mechanisms of tissue regeneration, adaptations in stem cells to cytotoxic stress and the process of initiation and progression of human disease (Ayyaz et al., 2019, **Nature**; Baghdadi et al., 2021, **Cell Stem Cell**; Ayyaz et al., 2017, **F1000Research**; Ayyaz et al., 2015, **Nature Cell Biology**). The student will work in a highly collaborative, inclusive and multidisciplinary research environment and will be able to closely interact with geneticists, microbiologists, clinician scientists and bioinformaticians.

How to apply:

Interested candidates should contact Dr. Arshad Ayyaz (arshadayyaz@gmail.com) by sending - in a single PDF - following documents by **January 31st, 2022**.

- A brief cover letter explaining your specific research interests.
- Curriculum vitae that outlines your qualifications, previous achievements, research experience and scientific publications (if any).
- Copy of transcripts.
- Three reference letters confidentially sent to Dr. Ayyaz (arshadayyaz@gmail.com), or names and contact information of three individuals who are willing to provide one.

About the Department

The Department of Biological Sciences at the University is committed to student engagement and creating an innovative, student-centered learning environment. Information about the Department and its programs can be found at <http://bio.ucalgary.ca>.

About the University of Calgary

The University of Calgary is Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation's most enterprising city, the university is making tremendous progress on its **Eyes High** journey to be recognized as one of Canada's top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. The University of Calgary inspires and supports discovery, creativity and innovation across all disciplines. For more information, visit <https://www.ucalgary.ca/>.