We are recruiting postdoctoral fellow and graduate students!

Our Lab @ McMaster University, Canada
Our interdisciplinary research program involves tissue engineering, regenerative medicine, bioengineered organoids, biomaterials, microfluidics, and bio-manufacturing. We develop advanced biofabrication techniques integrated with insights from developmental biology to build functional tissue and organoids for high-throughput drug discovery and regenerative medicine. In this pursuit, we strive to create an environment that will inspire the next generation of researchers and dreamers to solve big challenges in our world by fostering learning, passion, and collaboration. Students from under-represented groups (women, Indigenous peoples, members of visible minorities and persons with disabilities) are highly encouraged to apply.

The Project
Our lab is working on several NSERC and CIHR funded Projects including: (1) Tissue vascularization strategies for regenerative medicine; (2) Organ-on-a-chip and organoid engineering for drug discovery; (3) Development of smart biomaterials for advanced biofabrication. Students will have opportunities to work in a diverse team of clinician, stem cell biologists, and engineers.

Position 1 (Postdoctoral Fellow):
- **What you need**
  - PhD degree in science or engineering
  - Experiences in stem cell, organoid culture, and/or tissue engineering are highly beneficial
  - Highly self-motivated and great time management skill
  - Excellent verbal communication and writing skill
  - Collaborative and great interpersonal skill
- **What you will do**
  - Lead a recently funded project on developing bioengineered lung organoid.
  - Work with collaborators and collaborate with other members of our team.
  - Disseminate your research through publication, local and international conferences.
  - Mentoring graduate and undergraduate students.

Position 2 (PhD Applicant):
- **What you need**
  - Bachelor’s degree or a Master’s degree in science or engineering.
  - Lab experience in cell culture is not required but beneficial.
  - Highly self-motivated
  - Excellent verbal communication and writing skill
  - Collaborative and great interpersonal skill
- **What you will do**
  - Lead a recently funded project on applying our developed lung-on-a-chip model to SARS-CoV-2 research.
  - Work with collaborators and collaborate with other members of our team.
  - Disseminate your research through publication, local and international conferences.
  - Mentoring undergraduate students.

The Application Process
Candidates who are interested to apply please send CV and statement of interests to Dr. Zhang at zhangb97@mcmaster.ca. At time of admission, graduate student candidates need to meet the minimal admission requirement set by the department. Applications will be considered on a rolling basis until the positions are filled. For more information please visit our website: [www.bzhanglab.com](http://www.bzhanglab.com) and follow us on twitter(@bzhanglab) and instagram (@bzhanglab)