Assistant Professor

Faculty of Medicine - Department of Biomedical Engineering

Position description

The McGill University Department of Biomedical Engineering invites applications for a tenure-track faculty position at the Assistant Professor level in Biomedical Engineering.

We were the first Biomedical Engineering Department in Canada, are part of the Faculty of Medicine at McGill University, and continue to uphold a tradition of leadership and excellence.

Our mission is to carry out deeply interdisciplinary, transformative research and development at the boundaries of the physical sciences, engineering and medicine; and to train future generations of biomedical engineers.

We are one of the most dynamic departments within the Faculty, with a strong emphasis on research and translation. Teaching is primarily at the graduate level, within the interfaculty Biological & Biomedical Engineering graduate program, which is joint between the Faculties of Engineering and Medicine. Biomedical Engineering professors are expected to teach one graduate course per year.

We are seeking outstanding candidates with expertise and research interests in Biomedical Engineering. Candidates must have a Ph.D. with evidence of exceptional research achievements and a compelling research vision that aligns with one or more of the strategic research priorities of the Faculty of Medicine.

The successful candidate will complement and expand upon existing strengths of the Department in computational medicine, design & devices, imaging, and molecular, cell, and tissue engineering. Building on the department’s and the University’s ethos of collaboration, we are seeking candidates with the skills and interests needed to build a creative, high impact research program that will be further strengthened through links to one or more of the Faculty of Medicine’s major research initiatives, centres or affiliates. Our partners include the McGill University Health Centre (MUHC) and the Research Institute of the McGill University Health Centre, the Goodman Cancer Research Centre, the Montreal Neurological Institute, the McGill Genome Centre, the McGill Interdisciplinary Initiative in Infection & Immunity, the School of Population and Global Health, as well as various departments. Additional information including a list of our partners is available at https://www.mcgill.ca/bme/career/jobs.

McGill University was founded in 1819 and is consistently ranked among the top 30 public universities in the world and among the top three in Canada, while its medical school is consistently ranked first in Canada. McGill’s official language is English, and it is located in Montreal (http://www.montrealinternational.com/en/), a multicultural, multilingual city with a sparkling cultural life. Montreal has been selected numerous times as the best city for students in North America. Montreal
is safe, housing costs are among the lowest for cities of comparable size, and the overall quality of life is outstanding (https://mcgill.ca/undergraduate-admissions/mcgill-experience/our-city-montreal-canada).

Job Duties

The successful applicant will be expected to:

- Develop an independent, externally funded research program of the highest international standards in their own areas of expertise, aligned with the priorities of the Department of Biomedical Engineering and the Faculty of Medicine. This program is expected to include interdisciplinary collaboration with relevant partner units within the University and its affiliates.
- Successfully compete for research funding, supervise graduate students, and contribute to teaching.
- Disseminate research findings through peer-reviewed publications and other knowledge translation and exchange activities.
- Participate in all aspects of McGill’s academic mission including teaching, supervision of a diverse body of graduate students and service to the scholarly community.

Qualifications and Education Requirements

- Applicants must have a PhD.
- An outstanding record of research/scholarly activity, which is demonstrated by the quality of publications in top-ranked, internationally recognized, and field-relevant academic journals, presentations at significant conferences, and strong endorsements by referees of international stature.
- A commitment to and evidence of high-quality teaching, inclusive pedagogy, and effective supervision.
- A commitment to equity, diversity, and inclusiveness (EDI).
- Interest in innovation and translation is an asset.

---

JOB DETAILS

<table>
<thead>
<tr>
<th>Job Type:</th>
<th>Tenure-track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rank:</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Job status:</td>
<td>Full-time</td>
</tr>
<tr>
<td>Salary:</td>
<td>Salary will be commensurate with qualifications and experience</td>
</tr>
<tr>
<td>Posting period:</td>
<td>30 days</td>
</tr>
</tbody>
</table>
APPLICATION PROCESS

Applications must be submitted on-line at: http://www.mcgill.ca/medicine-academic/positionsavailable

The following supporting documents are required:
  - a cover letter & curriculum vitae (as 1 pdf document)
  - statement of research (if including other documents, combine to make 1 pdf)
  - the names and contact information of three referees

McGill University is committed to equity and diversity within its community and values academic rigour and excellence. We welcome and encourage applications from racialized persons/visible minorities, women, Indigenous persons, persons with disabilities, ethnic minorities, and persons of minority sexual orientations and gender identities, as well as from all qualified candidates with the skills and knowledge to engage productively with diverse communities.

At McGill, research that reflects diverse intellectual traditions, methodologies, and modes of dissemination and translation is valued and encouraged. Candidates are invited to demonstrate their research impact both within and across academic disciplines and in other sectors, such as government, communities, or industry.

McGill further recognizes and fairly considers the impact of leaves (e.g., family care or health-related) that may contribute to career interruptions or slowdowns. Candidates are encouraged to signal any leave that affected productivity, or may have had an effect on their career path. This information will be considered to ensure the equitable assessment of the candidate’s record.

McGill implements an employment equity program and encourages members of designated equity groups to self-identify. It further seeks to ensure the equitable treatment and full inclusion of persons with disabilities by striving for the implementation of universal design principles transversally, across all facets of the University community, and through accommodation policies and procedures. Persons with disabilities who anticipate needing accommodations for any part of the application process may contact, in confidence, this email or phone at 514-398-2477.

All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.