

Assistant Professor

Ecole/Institution/Société:

Dalhousie University, Canada / Halifax

Discipline:

Biomedical Engineering

Type d'emploi::

Full-time

Date de publication:

2022-03-04

Personne à contacter:

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Assistant Professor in the School of Biomedical Engineering

Position Title

Assistant Professor in the School of Biomedical Engineering

Posting Number

F296P

Type of position

Tenure Stream

Department/Unit

Biomedical Engineering-Engineering

Location

Halifax

About the opportunity

The School of Biomedical Engineering (SBME) in the Faculties of Medicine and Engineering at Dalhousie University invites applications for a probationary tenure track or tenure-track position in Biomedical Engineering at the level of assistant professor. The successful candidate will have a record of achievement and research in the fields of computational science ([e.g.](#), data analytics, image processing, artificial intelligence, informatics, and machine vision) and biomedical engineering, with a focus on functional imaging applications in such areas as medical diagnostic imaging technologies (ultrasound, optical, MEG, fMRI), biomaterials discovery and screening, or musculoskeletal applications. The successful candidate will contribute to and expand the scope of the research and teaching excellence in our school. This includes developing a focused, highly successful and collaborative research program in this field. This also includes graduate teaching in the areas of medical imaging and biomedical data acquisition, processing and analytics, as well as undergraduate teaching in the Medical Sciences program and the Biomedical Engineering certificate program in undergraduate engineering.

Located primarily in the Dentistry Building and with research laboratories in nearby research and hospital sites, SBME is part of a vibrant cross-disciplinary research community. SBME offers graduate degrees in Biomedical Engineering as well as the undergraduate certificate program in Biomedical Engineering through the Faculty of Engineering. SBME faculty members at Dalhousie are advancing new technologies that improve disease diagnosis, treatment of medical disorders and traumatic injuries, and engaging in ground-breaking research to understand the structural and functional properties of tissues and cells. To date, SBME at Dalhousie has established internationally recognized strengths in the following areas: Tissue Engineering; Biomechanics; Imaging technology; Medical Device Design; Human Body Dynamics; Orthopaedic Implants; Biomaterial Design; Drug Delivery; and Cellular Electro/Mechanotransduction. State of the art imaging facilities are available and are actively being advanced including multiple imaging modalities (MRI, MEG, PET, SPECT), particularly located within Biotic (bioticimaging.ca) and affiliated researcher laboratories. There are also large research groups spanning several faculties at Dalhousie where the applicant could find other ready collaborations including the Brain Repair Centre (www.brainrepair.ca), the Infection, Immunity, Inflammation and Vaccinology (I3V) research group, researchers using and advancing multiple imaging modalities (MRI, MEG, PET, SPECT), and opportunities in diagnosis and prognosis in infection and inflammatory disease, and genomics research.

Applicants must have a PhD in a relevant field, a suggested two years of post-doctoral experience and a strong publication record in a related area. Applicants must be registered as a professional engineer or eligible and committed to registration as a professional engineer (note that this does not necessitate an undergraduate engineering degree).

Applicants should apply at <https://dal.peopleadmin.ca/postings/8408>. Complete applications will include a cover letter, curriculum vitae, a two-page maximum statement outlining their research program (highlighting the potential for attracting research funding from public and private sectors), a two-page statement of teaching interests including one page outlining how equity, diversity, inclusion and accommodation (EDIA) is embedded in your teaching philosophy, and the names, addresses and emails of three referees. Review of applications will commence on April 15, 2022 and continue until the position is filled.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness.

In keeping with the principles of employment equity and with the aim to correct historical underrepresentation, this position is restricted to candidates who self-identify as women. Dalhousie recognizes that candidates may self-identify in more than one equity-seeking group, and in this spirit, encourages applicants who also identify as Indigenous persons (especially Mi'kmaq), persons with a disability, racialized persons, including persons of Black/African descent (especially African Nova Scotians) or persons of a minority sexual orientation and/or gender identity.

You will be required to provide proof of full vaccination or may seek an accommodation from Dalhousie's vaccine requirements on grounds protected under provincial human rights legislation. Visit the Campus Check website for more information.

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