



Associate Professor (tenure) or Professor (tenure)

Sir Magdi Yacoub Professorship in Tissue Regeneration at UBC | School of Biomedical Engineering

The School of Biomedical Engineering (SBME) at the University of British Columbia (UBC), Vancouver campus invites applications for a full-time faculty position at the rank of Associate Professor with tenure or Professor with tenure. The successful candidate will be eligible to hold the Sir Magdi Yacoub Professorship in Tissue Regeneration at UBC, subject to university approvals.

The UBC School of Biomedical Engineering is a partnership between the Faculties of Medicine and Applied Science, acting as a nucleus for education and training, research, and innovation in biomedical engineering, creating new knowledge, new academic and training programs, and fostering translation and innovation. Its vision is to transform health care outcomes through unconstrained exploration of the best possible integrative solutions across engineering, medicine, and biology. Through a collaborative, innovative, and interdisciplinary approach and building on UBC academic and research excellence, the School of Biomedical Engineering is emerging as a global leader in biomedical engineering research, education and translation. For more information about the School of Biomedical Engineering, please visit <https://www.bme.ubc.ca/>.

Reporting to the Director of the UBC School of Biomedical Engineering, the successful candidate will be expected to lead an independent, internationally-recognized research program, participate in the teaching activities of the School, provide mentorship and training to undergraduate, graduate, and postgraduate learners, and provide service within the University and to the broader academic and professional community. As the holder of the Sir Magdi Yacoub Professorship in Tissue Regeneration, the successful candidate will support tissue regeneration and research, training, and education at the University by applying a deep understanding of the fundamentals of cell-material interactions and exploring how materials influence and guide cellular behaviour, organization and function on synthetic matrices.

The successful candidate will hold a PhD in a relevant discipline. If appointed at the rank of Associate Professor, the successful candidate will have demonstrated evidence of successful teaching and ability to direct graduate students and evidence of sustained and productive scholarly activity. If appointed at the rank of Professor, the successful candidate will have demonstrated appropriate standards of excellence in teaching, have received wide recognition in their sustained and productive scholarly activity, and participated significantly in academic and professional affairs. Applicants may be expected to register, or be eligible to register, with Engineers and Geoscientists of British Columbia (EGBC). The ideal candidate will be a recognized leader in the design, synthesis, and application of biomaterials, advancing therapeutic, diagnostic, and foundational innovations in medicine and biology. The successful candidate's expertise should encompass advanced bio-fabrication techniques, with a special emphasis on 3D and 4D bioprinting and their implications for cell viability, function, and tissue organization. A focus on materials that influence tissue morphogenesis and function is desired, accompanied by an understanding of the mechanisms through which materials modulate tissue growth, organization, and spatial patterning. Interest in "smart" materials that dynamically engage with biological systems, as well as in soft robotics and stretchable electronics for seamless bio-integration, is also highly valued. While a foundational knowledge of tissue engineering is essential, an entrepreneurial or clinical translation mindset is important for propelling biomaterial advancements from the lab to the patient. Special consideration will be given to candidates who have significantly contributed to cell and tissue organization using synthetic materials, as well as those with notable achievements and interests in lung tissue regeneration and engineering.

The successful candidate will contribute to fostering an environment that promotes inclusivity and embodies values of respect, integrity, compassion, collaboration, and equity. Equity, diversity, inclusion, and justice are essential to

academic excellence, as well as to fostering an inclusive community for voices that have been historically underrepresented or discouraged. Candidates who bring diverse perspectives and lived experiences are encouraged to apply as we strive to enhance diversity, inclusiveness, socio-cultural representation, and perspective of the School.

The expected salary for this position is in the range of \$180,000 to \$220,000 per annum for the rank of Associate Professor with tenure, and \$220,000 to \$250,000 per annum for the rank of Professor with tenure. The Faculty of Medicine is committed to offering equitable salaries, taking into consideration the qualifications and experience of the successful candidate as well as their years in rank. At UBC, in addition to a competitive salary, a generous benefit package as well as a highly valued pension plan and supportive leaves, are included. For more information about the various Faculty Benefits Packages available at UBC, please visit: <https://hr.ubc.ca/benefits/eligibility-enrolment/eligibility-and-plan-cost/faculty-postdoctoral-fellows-employees-and>. The successful candidate will also have access to a comprehensive range of services, resources and career development opportunities. For more information, please visit: <https://hr.ubc.ca/working-ubc>.

Please submit your application online at: <https://ubc.wd10.myworkdayjobs.com/ubcfacultyjobs> (JR16061). An application package should include a letter of application outlining the applicant's research (max 5 pages) and teaching (max 2 pages) interests, accompanied by a detailed curriculum vitae and the names of four arm's length references. Please also provide a brief statement (max 2 pages) that describes any current or planned engagements and contributions made to advancing anti-racism, equity, diversity, Indigenization and inclusion in academic (research/scholarship, teaching/learning), professional (non-academic or clinical work), or community (local, national, international community-based) contexts.

Should you have any queries around this position, please contact **Peter Zandstra** (peter.zandstra@ubc.ca).

Review of applications will begin on **May 1st, 2024** and continue until the position is filled. The anticipated start date for this position is **January 1, 2025** or upon a date to be mutually agreed.

At UBC, we believe that attracting and sustaining a diverse workforce is key to the successful pursuit of excellence in research, innovation, and learning for all faculty, staff and students. Our commitment to employment equity helps achieve inclusion and fairness, brings rich diversity to UBC as a workplace, and creates the necessary conditions for a rewarding career.

The University is committed to creating and maintaining an inclusive and equitable work environment for all members of its workforce. An inclusive work environment presumes an environment where differences are accepted, recognized, and integrated into current structures, planning, and decision-making modes. Within this hiring process we will make efforts to create an inclusive and equitable process for all candidates (including but not limited to people with disabilities). Confidential accommodations are available on request for applicants who are short-listed. Please contact Carmen de Hoog, Director of Strategic Planning and Operations, SBME via email at carmen.dehoog@ubc.ca

To learn more about UBC's Center for Workplace Accessibility, visit the website here <https://hr.ubc.ca/CWA>.

UBC - One of the World's Leading Universities. As one of the world's leading universities, the University of British Columbia creates an exceptional learning environment that fosters global citizenship, advances a civil and sustainable society, and supports outstanding research to serve the people of British Columbia, Canada and the world.

Our Vision: To Transform Health for Everyone.

Ranked among the world's top medical schools with the fifth-largest MD enrollment in North America, the **UBC Faculty of Medicine** is a leader in both the science and the practice of medicine. Across British Columbia, more than 12,000 faculty and staff are training the next generation of doctors and health care professionals, making remarkable discoveries, and helping to create the pathways to better health for our communities at home and around the world.

The Faculty - comprised of approximately 2,200 administrative support, technical/research and management and professional staff, as well as approximately 650 full-time academic and over 10,000 clinical faculty members - is composed of 19 academic basic science and/or clinical departments, three schools, and 24 research centres and institutes. Together with its University and Health Authority partners, the Faculty delivers innovative programs and conducts research in the areas of health and life sciences. Faculty, staff and trainees are located at university campuses, clinical academic campuses in hospital settings and other regionally based centres across the province.

The Faculty of Applied Science includes all UBC Engineering activities at both the UBC Vancouver and UBC Okanagan, as well as the Schools of Architecture and Landscape Architecture, Community and Regional Planning and Nursing. The Faculty was one of UBC's three founding faculties, admitting some of the University's first students in engineering in 1915. The Faculty includes over 300 full-time faculty members and more than 8,600 students.

The UBC Vancouver Campus is located on the traditional, ancestral, and unceded territory of the xʷm əθkʷəyəm (Musqueam) people. The City of Vancouver is located on Musqueam, Squamish, and Tsleil-Waututh First Nations territory.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.

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