

Funded Post-Doctoral Position in Biomedical Engineering/Regenerative Medicine Available Immediately

The Griffith lab located at the Maisonneuve-Rosemont Hospital Research Centre, an affiliate of the Université de Montréal and member of the Institute of Biomedical Engineering, is seeking a highly motivated, excellent candidate as a post-doctoral research fellow to develop corneal implants as alternatives to human donor corneas that are severely in short supply and in corneas with severe pathologies, at high risk of rejecting the donated tissues. The ideal candidate will have a recent (or very close to completion) PhD in chemistry, chemical engineering, biochemistry or tissue engineering. We have a new 3-year project to develop a new corneal implant for clinical application for use in patients with severe corneal pathologies that put them at high-risk of rejecting conventional human donor corneas.

This is a very challenging project. The candidate will work with a team with research partners from four different countries. She/he will have a choice of working with chemical crosslinking of extracellular matrix-based mimics including self-assembling peptides based on collagen, nanoparticles for release of bioactives, or developing composite biomaterial-stem cell implants.

Our laboratory is a translational biomaterials laboratory where the candidate is expected to develop implants that will be used in regenerative medicine, in near-term clinical trials. This is a challenging area requiring hard work and a lot of learning of new skills or re-directing expertise. The ideal candidate will be fluent in French and English, able to work independently within a team of lab-mates from other fields. The ideal candidate must be a team player and willing to help out in the laboratory in general. Willingness to travel and work in collaborators' laboratories overseas for short periods of time is an asset.

Interested candidates should contact Dr. May Griffith at May.Griffith@umontreal.ca with a CV, a brief statement of interest and contact information for three individuals who are willing to provide letters of reference.