Posting
POSTDOCTORAL RESEARCHER

Position Title:	**Post-Doctoral Researcher**
Hiring Unit:	School of Communication Sciences and Disorders
Name of Immediate Supervisor:	Nicole Li-Jessen
Location of Work:	8/F, 2001 McGill College Avenue, Montreal, Canada
Work Schedule:	35 hours/ week
Working Hours:	9 a.m. – 5 p.m. (work hours negotiable)
Planned Start Date & End Date: (if applicable)	September 2018 (possibility of three years)
Salary Range: (minimum as per collective agreement)	CAD $42,000 - $47,000 depending on experience and qualifications
Posting Period: (start and end date of posting)	Now

PRIMARY DUTIES

We are seeking a highly motivated junior-level postdoctoral researcher to join the Voice Research Laboratory at McGill University in Canada. This appointment is expected to begin in **September 2018** (start date negotiable). The Voice Research Laboratory at McGill focuses on advancing personalized medicine in laryngology through the development of numerical simulations, wearable devices, non-invasive diagnostics and tissue engineering products. This is a unionized position at McGill University.

The successful applicant will work on highly interdisciplinary research projects in computational biology and translational research. The primary duty of this position is to further develop existing agent-based models for vocal fold biomaterial design and tissue reconstruction. Additional training on wet lab skills, advance microscopy and tissue mechanics are available if the applicant is interested in.

QUALIFICATIONS

A Ph.D. or equivalent degree in computational biology, biomedical engineering, or related quantitative scientific discipline is required by the time the appointment begins.

The applicant should have expertise and experience in multiscale computational modeling and analysis of biological systems. Skills in numerical simulations, e.g., development of agent-based models using C/C++ and/ or Matlab/Mathematica, experience in sensitivity analysis, model calibration and verification, as well as implementation of mathematical descriptions of physical biological processes are required. Applicants with advanced computational training as well as knowledge of cellular biology and tissue biomechanics are preferred.

Proven track record in peer-reviewed publications in related fields is expected. Qualified candidates should be highly self-motivated and possess the ability to work independently, as well as in a multidisciplinary collaborative environment. Excellent interpersonal, organizational, and oral and written technical and scientific English communication skills are required.

The applicant will work closely with the team under direct supervision of Dr. Nicole Li-Jessen and with our mechanical engineering and clinical collaborators at McGill University and other institutions in Canada and the United States. The applicant will have the opportunity to work on advanced, challenging research projects, primarily through development of predictive multiscale models in the field of vocal scarring and tissue engineering. If interested, the applicant can also lead or participate in relevant projects available in the lab.

HOW TO APPLY

Candidates are encouraged to apply by **May 31, 2018**. Applications will be reviewed until the position is filled. Please send the application to Dr. Nicole Li-Jessen nicole.li@mcgill.ca.

1. Cover letter
2. Curriculum Vitae
3. Research statement (1-page)
4. Three references with contact information
5. Publications if applicable