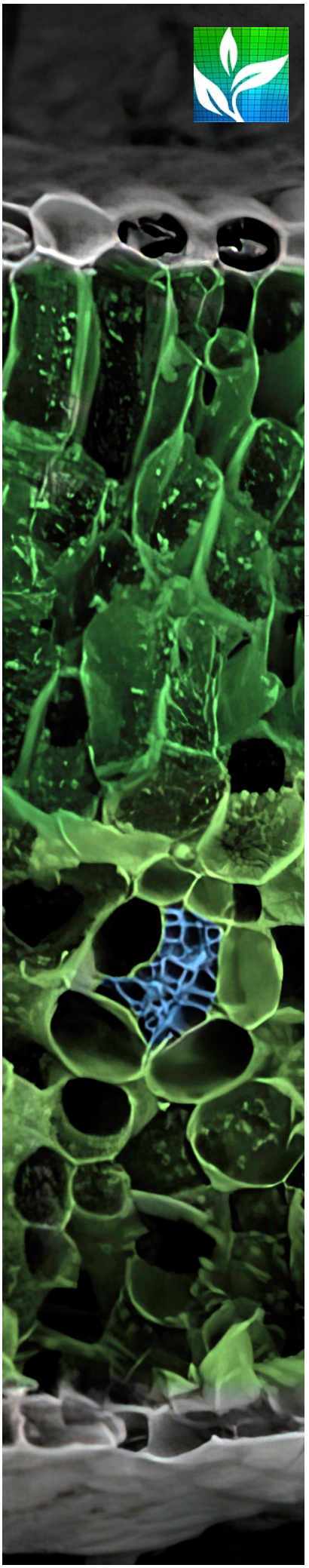

**Canada Research Chair**
**in Biomechanics of Plant Development**
**Department of Plant Science, McGill University**

McGill

# Postdoctoral research project in plant structure & function

**Location:** McGill University, Montreal, Quebec, Canada (Macdonald Campus)

**Project:** This HFSP-funded collaborative project aims to analyze the 3D structure, architecture, development, and mechanics of the leaf mesophyll. The goal is to understand developmental processes and structural optimization that reconcile photosynthetic efficiency with mechanical stability of the plant leaf. Collaborators include engineers and evolutionary biologists.

**You are:**
* No more than 3 years past your PhD
* Trained in plant molecular and/or cell biology and high-end imaging
* Experienced with *Arabidopsis* mutants & transgenes, confocal microscopy, fluorescence markers, image analysis & processing, 3D imaging.
* Assets include experience in electron microscopy (scanning, transmission), x-ray imaging, machine learning, programming in R or Python
* Self-driven, organized, team worker

**Opportunity:**
* Key role in a collaborative, highly interdisciplinary project bridging cell biology, ecology, biomechanics and engineering
* Mentoring role for graduate & undergraduate students
* Preparation for an independent academic career through leadership skills development

**Funding:** Initial contract for 1 year

**Start date:** September 2026 or soon therafter

**Our lab:** www.plantbiomechanics.net

Send your application package (motivation letter, CV listing research experience and technical skills, relevant papers, references) to:

Signal interest and/or submit your package ideally before August 31, 2026.
See also www.plantbiomechanics.net/joining-the-lab

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