# Two funded Ph.D. positions in plant development

We are seeking candidates to join our team to work on two independent Ph.D. projects:

1. **"Hormonal control of stamen filament elongation in *Arabidopsis thaliana*."** Using confocal microscopy, RNA-Seq, and fluorescent reporters we will reconstruct 3D growth dynamics and anatomy of this organ. Biophysical, hormonal, and genetic manipulations will provide insight into how the hormones act. This project will be held in collaboration with Dr Jason Reed (University of North Carolina at Chapel Hill, USA), Dr Clay Wight, and Dr Bastiaan Bargmann (Virginia Tech, USA).

2. "**Growth analysis of body-axis regulators during radial and bilateral style morphogenesis."** We will study cellular dynamics underlying the 3D formation of a radial style compared to bilateral mutants. This project will be in collaboration with Dr Laila Moubayidin and Dr Richard Smith (John Innes Center, UK).
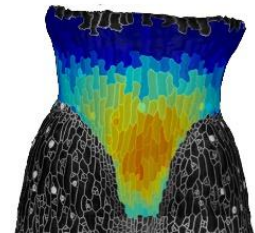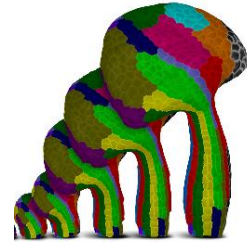
We are looking for highly motivated candidates who are strongly interested in plant developmental biology. The applicant should have the ability to solve scientific problems, good interpersonal skills, and be able to work in an interdisciplinary environment. Experience in microscopy and molecular biology is an asset. Diversity is considered a strength within the lab and all qualified applicants will receive equal consideration.

Our lab (https://kierzkowski-lab.com/) is a part of the Plant Science Research Institute at the University of Montreal, Canada. The Institute is equipped with all core facilities necessary for this project including confocal microscopy, an image analysis platform, and a molecular lab. The bilingual city of Montreal is a vibrant university center and cultural capital of Quebec.

Interested applicants should send a CV, a motivation letter (one-page maximum - clearly specifying your scientific interest), as well as names and contact of 2 referees to daniel.kierzkowski@umontreal.ca.

Deadline for applications: May 30th, 2024 or until positions are filled.