VIB CENTER FOR PLANT SYSTEMS BIOLOGY

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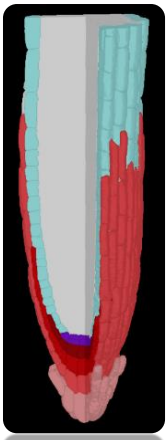
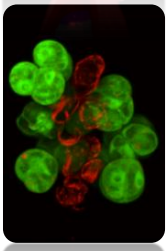
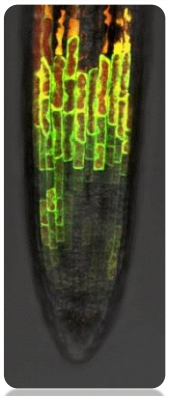
OPEN POSITIONS FOR 2 POSTDOCTORAL RESEARCHERS







The VIB-UGent Center for Plant Systems Biology (take a tour) is a world-leading plant science institution on Techlane Campus in Ghent, Belgium.

In the frame of our ERC CoG project EXECUT.ER, the Programmed Cell Death lab is looking for **two postdoctoral researchers** to investigate the molecular regulation of programmed cell death (PCD) in plant development, using the Arabidopsis root cap as a powerful model system.

Although PCD processes are crucial for plant growth and development, the molecular pathways controlling initiation and execution of plant PCD are largely unknown. Over the last years, we have developed **model systems, datasets, and an extensive toolkit** that allow us to dissect the molecular regulation of plant PCD (see e.g. PMID: 24726156, 25457111, 26658336, 26438786, 26068468, 27298090, 30773319, 31562216, 33305496). We are using **latest technologies** including cell-type specific genome editing, single-cell transcriptomics, network modelling, spatial proteomics, and live-cell imaging to discover and validate innovative concepts in PCD as a fundamental principle of developmental biology in plants.

We are looking for talented and motivated candidates to join our team, preferably with a strong background in **plant biochemistry; molecular, cell-, and developmental biology**; and a keen interest in advancing knowledge on developmental PCD as a frontier in plant science.

The positions are **available from September 2021** onwards; applications will be accepted until the vacancies have been filled. Due to the COVID-19 pandemic, flexibility in the starting date will be a given. For further information about our projects and employment details please contact Moritz Nowack (monow@psb.ugent.be).

The VIB-UGent Center for Plant Systems Biology is part of the VIB and Ghent University which are both equal opportunity employers.

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