

VIB Department of Plant Systems Biology

The Comparative & Integrative Genomics lab (Klaas Vandepoele) and the Systems Biology of Yield lab (Dirk Inzé) of the VIB Department of Plant Systems Biology, is currently looking for a



Postdoc in 'Comparative Network Biology in Plants'

Our mission

Our objective is to extract and validate biological knowledge related to plant growth and yield from large-scale experimental data sets using data integration, comparative sequence and expression analysis, and network exploration. In this international project, including academic and industrial partners, we aim to identify novel regulators of growth using the cross-species analysis of gene regulatory networks and gene function prediction.

Job description

- Fully funded Postdoc position for 2 years in the framework of an international research project.
- Tackle specific research questions about plant growth and yield in different plant species through the integration of experimental omics data types (e.g. RNA-Seq, phenotypes, GO functions) and computational biology methods (e.g. comparative genomics, network analysis).
- Interpretation of network biology results using scientific literature, unpublished experimental datasets and current working hypotheses.
- Work in close collaboration with computational and experimental colleagues, both in Ghent and abroad (through short-term visits within Europe).
- Reporting of results to international partners and publish in peer-reviewed international journals.

Your profile

- You have PhD degree in Bioinformatics, Plant Biotechnology or related.
- You are enthusiastic about scientific research and have a strong interest in studying plant biology using genomics and systems biology approaches.
- Through international peer-reviewed publications, you have a track record in plant genomics or systems biology research.
- You are familiar with Linux/Unix and have knowledge of Python/Perl or another programming/scripting language.
- You have good communication and writing skills.
- You are proficient in English.

Apply for the job

Send your letter of motivation, a detailed CV and contact info of 2 references (including e-mail addresses and phone numbers) by e-mail to Klaas.Vandepoele@psb.vib-ugent.be. Applications will be accepted until the position is filled.



VIB

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