

Ph.D. position: Brassinosteroid-dependent Systemic Signals in Plant Development

A fully funded Ph.D. position is available (flexible starting date in 2018) in the lab of Prof. Christian Hardtke at the Department of Plant Molecular Biology, University of Lausanne, Switzerland.

Our department offers excellent research infrastructure combined with a lively, interactive and international scientific community, located in the beautiful Lake Geneva region.

The candidate will identify and characterize the nature of brassinosteroid-dependent systemic signals that emanate from phloem, by participating in the exploitation of ongoing genetic screens.

Relevant publications from our lab on this topic include:

Breda et al. (2017): Phosphosite charge rather than shootward localization determines OCTOPUS activity in root protophloem. Proceedings of the National Academy of Sciences U.S.A., Vol. 114: pp. E5721–E5730.

Hazak & Brandt et al. (2017): Perception of root-active CLE peptides requires CORYNE function in the phloem vasculature. EMBO Reports, Vol. 18: pp. 1367-1381.

Kang et al. (2017): Brassinosteroid signaling directs formative cell divisions and protophloem differentiation in Arabidopsis root meristems. Development, Vol. 144: pp. 272-280.

Strongly motivated candidates who have demonstrated expertise in molecular biology and genetics are encouraged to apply.

Please forward your application including a *curriculum vitae* and contact information for references by e-mail to:
christian.hardtke@unil.ch

lab web page: www.unil.ch/hardtkelab