Postdoc position – ion signaling in plant immunity

A postdoc position is available in our laboratory in the Department of Plant and Microbial Biology at the University of Zurich (Switzerland) to work on ion signaling during plant immunity.

Our group has recently identified several calcium-permeable channels involved in plant immunity [Nature (2020) 569-573; Nature Plants (2021) in press]. The project will involve the detailed characterization of these channels, as well as other channels/transporters regulating ion signaling during plant immunity.

Our laboratory is world-leading in the study of plant receptor kinases, their ligands, and downstream signaling processes. The successful candidate will join a dynamic, multidisciplinary and international research group. All methods required for the study of channels/transporters (e.g. mammalian cell heterologous expression systems, patch-clamping, in planta microelectrode assays, non-invasive ion-selective scanning microelectrodes, and multiple fluorescent/luminescent reporters/sensors) are available in our group or via existing collaborations.

The candidate must hold a PhD degree in biology, (bio)physics or (bio)chemistry. The successful candidate will be creative, ambitious and highly motivated. Previous experience in electrophysiology will be an advantage. Previous experience with plants is however not necessarily required. Excellent English written and oral skills are required. Postdoc candidates eligible for external fellowships will be privileged.

The position is preferably offered from June 2021 onwards, but an alternative starting date could be arranged. The position will be opened until filled.

Interested candidates must submit a single PDF comprised of a motivation letter, an up-to-date CV and the names of 3 referees to cyril.zipfel@botinst.uzh.ch.