



**University of
Zurich**^{UZH}

Epigenetics and
Chromatin Biology



PhD position

The Bischof lab seeks to hire a creative PhD student with a passion for epigenetics and chromatin biology. Our main research goal is to elucidate epigenetic mechanisms that control gene expression and maintain the integrity of the genome. Specifically, we aim to understand how chromatin remodeling complexes impact chromatin structure and regulate transcription in the plant model *Arabidopsis thaliana*. Combining biochemical, genomic and genetic approaches, we aspire to decipher the molecular composition of these chromatin remodeling complexes, their genomic localization and their functional interplay.

Ultimately we wish to provide the fundamental understanding of how epigenetic processes guide cellular identity & differentiation and pave the way to genome engineering. Due to the high degree of conservation of molecular mechanisms between organisms, our findings and methodology are not limited to understanding chromatin dynamics in plants, but have implications beyond the scope of plant biology.

The successful applicant should be excited about science, creative, well organized and able to communicate effectively with lab members as well as present research findings at national and international conferences. Experience in epigenetics, next generation sequencing or plant biology are welcomed but not mandatory. The accepted PhD student will be part of the Zurich Life Science Graduate School.

The Bischof lab and the University of Zürich provide a vibrant scientific environment, state-of-the art equipment and the opportunity to learn cutting-edge technologies. Funding is available for the entire PhD study (3 to 5 years) with a competitive Swiss salary.

Please send your application to sylvain.bischof@uzh.ch, including a CV, a personal statement with scientific interests, qualifications and reasons for applying. For further information please email or visit our web site:

www.botinst.uzh.ch/en/research/epigenetics.html