Joe Weber
Research assistant

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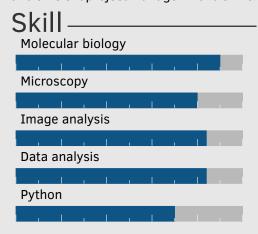☎ +41 78 839 23 08

✉ Zurich, Switzerland

🌐 no site yet

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About me

  Life science researcher with a strong interests in image analyses and procedure optimization. Excellent analytical skills combined with a perspicacious mind make for a natural problem solver. Strong background in molecular biology techniques as well as imaging and data analyses. Self-learned coder, can automatise data analyses and visualization. A strong personal interest in developing new procedured and improving existing ones. Open-minded teamworker with strong mediator skills. Goal-oriented and efficient project manager with a smile.

Skill

Molecular biology

Microscopy

Image analysis

Data analysis

Python

presentation⋆4 publication⋆3

(*)[The skill scale is from 0 (Fundamental Awareness) to 5 (Expert).]

interests

The heroine and the dreamer of Wonderland; Alice is the principal character.

education

2015-2020	Ph.D. candidate in Molecular Biology Research field: Chromosome segregation in meiosis	Zurich, Switzerland
2013-2015	M.Sc. Majoring in Cellular and Molecular Biology	Zurich, Switzerland
2010-2013	B.Sc. Majoring in Biology	Lausanne, Switzerland
2005-2009	High school Specializing in natural sciences and mathematics	Luxemburg, Luxemburg

publications

2020	Chromosome separation during Drosophila male meiosis I requires separase-mediated cleavage of the homolog conjunction protein UNO.	

experience

2020	Scientific publication *"Chromosome separation during Drosophila male meiosis I requires separase-mediated cleavage of the homolog conjunction protein UNO."* https://doi.org/10.1371/journal.pgen.1008928	Publication, Teamwork
2020	Ph.D. thesis An ImageJ and python based toolkit I developed to analyse microscopy images of postmeiotic cells and infer chromosome sergegation defects.	Project management,
2019	Image analysis toolkit development An ImageJ and python based toolkit I developed to analyse microscopy images of postmeiotic cells and infer chromosome segregation defects.	Coding, Image analyses
2018	Automatising tissue isolation procedure Sample availability is a major bottleneck in research on meiosis. I developed an automated tissue extraction procedure which increases extraction efficiency 10 fold and thus dramatically increases sample availability.	Method development

other information

Alice approaches Wonderland as an anthropologist, but maintains a strong sense of noblesse oblige that comes with her class status. She has confidence in her social position, education, and the Victorian virtue of good manners. Alice has a feeling of entitlement, particularly when comparing herself to Mabel, whom she declares has a "poky little house," and no toys. Additionally, she flaunts her limited information base with anyone who will listen and becomes increasingly obsessed with the importance of good manners as she deals with the rude creatures of Wonderland. Alice maintains a superior attitude and behaves with solicitous indulgence toward those she believes are less privileged.