



Joe Weber

Research assistant



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+41 78 839 23 08



webjo099@gmail.com



Murwiesenstrasse 38
8057 Zurich, Switzerland

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 procedures and improving existing ones. Open-minded teamworker with strong mediator skills. Goal-oriented and efficient project manager with a smile.

Skills

Molecular biology



Microscopy



Image analysis



Data analysis



Python



presentation*4 publication*3 flow
cytometry*3

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

Languages

English, German and French at C1-C2
level

interests

Image analyses, assay development, flow cytometry

education

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

experience - Research assistant

Image analysis toolkit development
Image analyses, ImageJ, Python
To create a quantitative assay for chromosome segregation defects I developed a toolkit to analyse microscopy images of postmeiotic cells.

Automatising tissue isolation procedure
Method development, Flow cytometry
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.

Ph.D. thesis
Project management, Experimental design, Molecular biology
Designed, performed, analysed and reported on research experiments in the context of a 5 year Ph.D. project.

Scientific publication
Publication, Teamwork
First author and main contributor of an impactful scientific publication.
<https://doi.org/10.1371/journal.pgen.1008928>

other information

After growing up in Luxemburg I moved to Switzerland to study biology. My education led me to a solid base knowledge in biology as well as full working proficiency language skills in english, german and french (C1-C2). Working as a research assistant during my Ph.D at University of Zurich then allowed me to aquire a broad set of technical and interpersonal skills, including molecular biology techniques, data analysis, mentoring and teamworking skills. This diverse skillset enabled me to make many valuable contributions in the research team by developing new methods, providing IT support and producing high quality research leading to an impactful scientific publication. For me, embracing new challenges is essential to grow and growth is at the core of personal happiness. In my free time I like to clear my mind by discovering the beauty of the swiss alps through climbing and hiking, or satisfy my need for competition in a match of beachvolleyball. I am currently looking for job positions in the region of Zurich, I am available right now and have a residence permit C.

references

Prof. Dr. Christian Lehner
Department of Molecular Life Sciences
University of Zurich
Winterthurerstrasse 190
CH-8057 Zurich, Switzerland
+41 44 635 48 71

Dr. Pablo Radermacher
Waldbröl, NRW, Germany
pablo.radermacher@leica-microsystems.com