

Motivation letter

I hereby apply for the two positions "Beschaeftigter mit abgeschl. wiss. Hochschulbildung" (UB-217/17).

I used to work in fundamental research (neuro-genetics). In 2013, the boss of my lab moved to south Germany and let me in charge of the ongoing project, which involved one PhD student and one TA. At the end of the project in 2014, I left the academic race and worked on different projects at the HU, (projects involving an interaction with students and engineers, as well as a practical course organisation). Since then, I gathered more experience in scientific project management, data management and science communication. I am involved in the open science movement and would love to see the linked skills taught to early career researchers. In particular, I think data management should be taught early, not only because it increases the reliability of the research, but also because the scientist will then save an enormous amount of time.

I am looking forward to hear from you,
Dr. Julien Colomb

Links:

My website on teaching open science:

<https://reproducibleresearch.wordpress.com/>

The open science meetup I am running:

<http://www.meetup.com/Berlin-Open-Science-Meetup/>

Referees:

Prof. Bjoern Brembs, bjoern@brembs.net

Curriculum Vitae

Julien COLOMB, PhD in Biology
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<http://orcid.org/0000-0002-3127-5520>

Birth: 9 April 1979 in Sion (CH)
Married, two children
Swiss



Summary

After 12 years spent on fundamental research (neuro-genetics) in which I gathered skills in experimental design, team leading and student teaching, I got most interested in open science and research reproducibility as well as the digital tools helping scientists to achieve it. I then gathered extra experience in business development through the foundation of Drososhare, which turn out not to be sustainable. Since the birth of my second child, i am trying to make a living out of freelance work as data analyst and teaching reproducible research.

Commercial activities

2016-present Freelance scientist (data analysis and project management),

2012-present Founder and CEO of Drososhare GmbH (Berlin, Germany),

Non-commercial activities

2015- present Organisation of the Berlin Open Science meetup:
 Discussion on open science themes (Reproducible Research, Open Access, peer review), and Organisation of the open con satellite conferences
2017- present Part of the march for science Berlin Orga team:
 Organisation of a protest in Berlin in 2017 (11000 people came) and further discussion on future actions

Research activities

2015 - 2016 Postdoctoral fellow, HU & Charité (**Berlin**, Germany), by Prof. Y. Winter
2014 - 2015 Postdoctoral fellow, HU & Charite (**Berlin**, Germany), by Prof. Y. Winter
2009 -2013 Postdoctoral fellow, FU (**Berlin**, Germany), by Prof. B. Brembs
2007-2008 Postdoctoral fellow, ESPCI (**Paris**, France), by Dr. T. Preat

Education

2016 FELASA B. HU Berlin
2013 Moderation & management (Continuing Education), FU Berlin/Artop.
2006 PhD in Biology, University of Fribourg (**Fribourg**, Switzerland).
PhD dissertation: "The chemosensory system of *Drosophila* larvae: neuroanatomy and behaviour" Thesis director: Prof. R.F Stocker
2002 Diploma in Biology, University of Fribourg (**Fribourg**, Switzerland)
1998 "Maturité fédérale type C" (scientific subsection), in the "Collège de la royale Abbaye de St. Maurice"

Languages

French (mother tongue), English (fluent), German (fluent), Spanish (basics).

Research output

<https://orcid.org/0000-0002-3127-5520>
8 research papers (7 first author), 3 reviews, 1 Scienceopen collection
<https://github.com/jcolomb>
3 Open source software (2 main author)
h-index =7, Meeting Presentations = 25

Supervision of student

2010-2014 Co-supervisor of the PhD student Christine Damrau (with Dr. B.Brembs) on the role of octopamine in reward, motivation and motor control in *Drosophila*.
2008 Co-supervisor of the PhD student Séverine Trannoy (with Dr. G. Isabel and Dr. N. Gervasi) on the role of dopamine in appetitive learning consolidation in *Drosophila*.
2005 Co-supervisor of the diploma work of Claire Huguenin (with Dr. A. Ramaekers) on the role of NO in olfactory discrimination in *Drosophila* larvae.

Teaching experience

2016 Animal models of neuropathy, (master student, 2x2h lecture, organisation)
2012 Genetik (bachelor student, 2 x 3 h. lecture, 2x 1h. seminar)
2012 Neurogenetik. (master student, 2 x 2 h. lecture, 2x 1h. seminar)
2011 Practical course neurobiology. (7 x 4 h., Practical course supervision)
2011 Entwicklung der Insekten [Insect development] (2 h. lecture)
2006 Fluorescence and Confocal Microscopy (master student, 3h. lecture)
2003-2006 Studying behavior. (master student, 2 h. lecture)
2003-2005 Developmental- and Neurogenetics (master student, 2 h. lecture).

Computer skills

Organisation and publication: OSX, Windows, Outlook, Access; , L^AT_EX, Office; html;
Image processing and scientific platform: Photoshop, Illustrator, Image J, Inscap; labfolder, figshare, github, overleaf, authorea, scienceopen
Programming: R (advanced), Git, Labview

Other tasks

Creation of the T. Preat's and R.F. Stocker's lab website.
Co-director in the theater group "les apostrophes" in 2006