

Curriculum Vitae

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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 would like to apply these novel knowledge to bring open science principles forward.

Research activities

- 2017 - 2018 Postdoctoral fellow, HU (**Berlin**, Germany), by Prof. Y. Winter
R Shiny applications to analyse and archive behaviour sequence data.
- 2015 - 2016 Postdoctoral fellow, HU & Charité (**Berlin**, Germany), by Prof. Y. Winter
Animal core facility director and project manager.
- 2014 - 2015 Postdoctoral fellow, HU & Charité (**Berlin**, Germany), by Prof. Y. Winter
working on Phenobase.
- 2009 -2013 Postdoctoral fellow, FU (**Berlin**, Germany), by Prof. B. Brembs
working on "the what and where of operant learning in *Drosophila*".
- 2007-2008 Postdoctoral fellow, ESPCI (**Paris**, France), by Dr. T. Preat
working on "appetitive learning in *Drosophila*".

Commercial activities

- 2016-present Freelance scientist,
Animal core facility (Charité): organisation lead, data analysis in R, Phenobase
(Exist, HU): preclinical literature curation.
- 2012-present Founder and CEO of Drososhare GmbH (Berlin, Germany), facilitating fruit fly
transactions between scientists

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

11 Research Papers (7 first author, 1 last author), 4 Reviews, 1 Scienceopen Collection
4 Open Source Software (3 main author),
3 Approved Grants
> 25 Meeting Presentations
see <https://orcid.org/0000-0002-3127-5520>, <https://github.com/jcolomb>:

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: Outlook, Access, labfolder; *Publishing:* L^AT_EX, Office, overleaf, markdown, html, figshare; *Image processing:* Photoshop, Illustrator, Image J; *Programming and data analysis:* R, Rmarkdown, shiny, Git, Labview; *Collaborative working:* Github, redmine

Other tasks

Organisation of the Berlin Open Science meetup
Part of the march for science Berlin Orga team 2017
Creation of the T. Preat's and R.F. Stocker's lab website.
Co-director in the theater group "les apostrophes" in 2006