

# Curriculum Vitae

**Julien COLOMB, PhD** in Biology  
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**Birth: 9 April 1979 in Sion (CH)**  
**Married, two children**  
**Swiss**



## *Summary*

After 12 years spent in fundamental research (neuro-genetics), during which I gathered skills in experimental design, team leading, student teaching and data analysis, I got specialised in project management and data processing. I am using R to analyse data. This includes data exploration, data visualisation and data mining (also using machine learning techniques like SVM, Random forest, and other).

I gathered extra experience in business development and KPI determination through the foundation of Drososhare, which turn out not to be sustainable yet. Since the birth of my second child, I am trying to make a living out of freelance work as data analyst for scientists or for the industry.

## *Computer skills*

*Programming and data analysis:* R, Rmarkdown, shiny, Git, Labview;

*Organisation:* Outlook, Access, labfolder; *Publishing:* L<sup>A</sup>T<sub>E</sub>X, Office, overleaf, markdown, html, figshare; *Image processing:* Photoshop, Illustrator, Image J; *Collaborative working:* Github, redmine

## *Commercial activities*

2016-present	Freelance (data) scientist (data analysis and project management)
2012-present	Founder and CEO of Drososhare GmbH (Berlin, Germany)

## *Research activities*

12.6.2017 -	Postdoctoral fellow, 50%, HU ( <b>Berlin</b> , Germany), by Prof. Y. Winter
18.3.2018	Analysis of home cage monitoring multidimensional data.

2007 - 2016 (noncontinuous)	Postdoctoral fellow, ESPCI ( <b>Paris</b> , France), FU, HU & Charité ( <b>Berlin</b> , Germany), by Dr.Preat, Prof. Brembs and Prof. Winter
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## ***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).

## ***Other tasks***

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