

## 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 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 service activities*

2018 - current    Postdoctoral fellow, Friedrich-Schiller-University Jena (**Jena**, Germany), Informatic institute  
Promoting data management with videos, an open source project.

### *Research activities*

2014 - 2018      Postdoctoral fellow, HU and Charité (**Berlin**, Germany), by Prof. Y. Winter  
9 month: R Shiny applications to analyse and archive behaviour sequence data.  
7 month: Animal core facility director and project manager.  
7 months: 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 and open science trainer,  
Project management, data analysis in R, literature curation, training workshop organisation.  
2012-present    Founder and CEO of Drososhare GmbH (Berlin, Germany), facilitating fruit fly transactions between scientists

### *Education*

2016              FELASA B (working with rodents). HU Berlin

- 2013 Moderation & management (Continuing Education in team work and meeting organisation), 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).

## ***Computer skills***

*Publishing*: L<sup>A</sup>T<sub>E</sub>X, Office, overleaf, markdown, Rblogdown, html, figshare, zenodo; *Collaborative working*: Github, redmine, slack, mailchimp

*Organisation*: Outlook, Access, labfolder; *Image processing*: Photoshop, Illustrator, Image J;

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

## ***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 students***

- 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, 2 x 3 h. lecture, 2x 1h. seminar)
- 2012 Neurogenetik. (master, 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, 3h. lecture)
- 2003-2006 Studying behavior. (master, 2 h. lecture)
- 2003-2005 Developmental- and Neurogenetics (master, 2 h. lecture).

## ***Other tasks***

Volunteer for FORCE11 communication, initiator of reagents.io open source project, 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



Q. F. F. Q. S.  
SUMMIS AUSPICIIS SENATUS POPULIQUE FRIBURGENSIS

RECTORE MAGNifico  
URSO ALTERMATT  
HISTORIAE NOSTRORUM TEMPORUM PROFESSORE ORDINARIO

ORNATISSIMUS

**JULIEN COLOMB**

NATUS DIE IX MENSIS APRILIS A. D. MCMLXXIX

AD SUMMOS IN REBUS NATURALIBUS HONORES CONTENDENS  
DISSERTATIONEM SCRIPSIT CUI TITULUS

**THE CHEMOSENSORY SYSTEM OF  
DROSOPHILA LARVAE: NEUROANATOMY  
AND BEHAVIOUR**

QUAM ORDO MATHEMATICORUM ET PHYSICORUM  
DIE XXIV MENSIS NOVEMBRIS A. D. MMVI  
POST COLLOQUIUM RITE CUM EO PERACTUM  
COMPROBAVIT

ITAQUE CETERIS CONDICIONIBUS IMPLETIS  
**RERUM NATURALIUM DOCTOREM**

EUM CREAVIT ET RENUNTIAVIT  
TITUS JENNY  
ORGANICAE ET ANALYTICAE CHEMIAE PROFESSOR  
ORDINIS MATHEMATICORUM ET PHYSICORUM DECANUS

IN CUIUS REI FIDEM HOC PUBLICUM TESTIMONIUM  
UNIVERSITATIS SIGILLO SANCITUM EI TRADENDUM CURAVIMUS

FRIBURGI HELVETIORUM DIE XVIII MENSIS DECEMBRIS A. D. MMVI

H. T. RECTOR MAGNIFICUS

H. T. DECANUS