

Leibniz-Zentrum für Agrarland-
schaftsforschung (ZALF) e. V.
Frau Annett Hamann,
Personalwesen,
Eberswalder Str. 84,
15374 Müncheberg

June 13, 2018

I hereby apply for the position "Arbeitsgruppenleiter/in" [Kennziffer 21/2018]

Dear Prof. Dr. Lischeid,

I am a former biologist who has been following open science movements over the last five years. I have been mostly active in the open data and data management side of open science, trying to develop tools to bring open data as the default behaviour.

As a scientists, I have a long record of project presentations, collaborative working and student supervision. I am a self-taught R developer and I am particularly interested in applying open science principle (online collaborative working, open leadership, open FAIR data) to my work. In spite of my relatively small experience with databases, I think I may suit the position: I do understand the problematic of open FAIR data and the need for flexible, tidy, computer and human readable formats for data and metadata. I am used to work in a multi-national and multi-lingual environment.

On top of my experience with Rshiny for interactive web application (see my last manuscript about an application to archive and analyse mouse behavioural data at <https://www.overleaf.com/read/hxwpffyxfbzm>), I am developing new skills in the development of static web site in my work at the data management helpdesk in the Friedrich-Schiller Universität of Jena (<https://zealous-johnson-d4652e.netlify.com>). I also have experience in grant writing, understand the problems of scientists and got teaching experience (see also http://rpubs.com/j_colomb/workshops).

I only got recently to hear about this job proposal from Mrs. Jana Rumler and I had no time to investigate the current situation of data management at your institution. I anyway hope I will learn more about your work while being interviewed.

Sincerely yours,

Dr. Julien Colomb



Curriculum Vitae

Julien COLOMB, PhD in Biology
Schillerpromenade 4
12049 Berlin
julien.colomb@fu-berlin.de
030 46721825

<https://github.com/jcolomb>
<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 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 (**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).

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).

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, slack, mailchimp

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