

EDUCATION

MASTERS

2008-2013

COGNITION, FUNCTIONAL &
EVOLUTIONARY ECOLOGY, ETHOLOGY

Internships

- **Experimental study of traffic organization in ants**
6 months, University of Toulouse (France)
Supervisors: A. Dussutour
- **Experimental study of social interactions in groups of queenless bumblebee workers**
2 months, Trinity College Dublin (Ireland)
Supervisors: A.L. Jackson & C.Tanner

PHD

2015-2018

EXPERIMENTAL & THEORETICAL STUDY OF
SOCIAL INSECT NUTRITIONAL ECOLOGYUniversity of Adelaide (Australia)
Supervisors: J. Buhl & A. Dussutour

- **Grants to present results at 2 international conference.**
- **Finalist for student best work in Australian Entomology.**

RESEARCH RELATED EXPERIENCE

Postdoctoral Position -

- **Collecting fungus-growing termite from the field, establishing colonies in the lab, and using omics to elucidate the extraordinary longevity of queens. The University of Pretoria**
with M. Vasseur-Cogner & W. de Beer 2018 - Present

Research Assistant -

- **Designing diets and running experiments to study changes in learning and memory abilities in relation to nutritional balance in Drosophila melanogaster. Toulouse 3 University (France)**
with A. Dussutour, G. Isabel, M. Lihoreau 6 months - 2014-2015
- **Running experiments, analysing videos and data to understand traffic organisation along Argentine ant trails. Analysing videos to establishing the influence of macronutrient ratio on the behaviour of the ant Lasius niger. Toulouse 3 University (France)**
with A. Dussutour 5 months - 2014
- **Designing and running an experiment to measure the effects of CO2 and cold narcosis on the behaviour and fertility of bumblebee workers. Trinity College Dublin (Ireland)**
with A.L. Jackson and C.Tanner 1 month - 2012
- **In charge of the fungus-growing ant insectaries**
Research Center on Animal Cognition, Toulouse 3 University (France) 2 months - 2014

SKILLS

- **Insect experimentation**
Design of experimental protocols and data analysis for nutritional ecology (including behaviour, survival and physiology). Field collection and lab rearing of ants and termites.
- **Use of software**
R studio, Matlab, Image J, Excel
- **Data analysis**
Graphical visualisation and analysis of data, survival analysis, linear models.
- **Language ability**
Native French, fluent English and moderate German
- **Research outreach**
Scientific publications, 4 international conferences, demonstrating in primary schools to promote the dissemination of scientific knowledge
- **Supervision and management**
Demonstrator for Microbiology and Invertebrates Course at the University of Adelaide
Advising students: 3 honour students and 2 master student
Vice-president of the Postgraduate Student Club in 2017, and Treasurer in 2016.

REFEREES

Dr Audrey DUSSUTOUR (CNRS Researcher)

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PhD and Master supervisor

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