Caroline Fromont

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EDUCATION

Hawkesbury Institute for the Environment, Western Sydney Uni, Australia — 02/2013-present
Ph.D. Candidate in Molecular Ecology
Supervision: James Cook, Markus Riegler

University of Lyon, France — 2011-2012
M.sc in Geography - Interface Nature and Societies

Agrocampus Ouest, Rennes, France — 2008-2011
M.sc in Agronomy - Crop Protection and Environment

Lycee Jean-Baptiste Say, Paris, France — 2006-2008
Preparatory classes (equivalent to an undergraduate degree) -
Majors in Biology and Chemistry, minors in Physics and Mathematics

PROFESSIONAL EXPERIENCES

Next-Generation sequencing facility, Western Sydney Uni, Australia — 03/2016-present
Senior Technical Officer—MiSeq and HiSeq platforms
Supervision: Caroline Janitz

Behavioural Biology Research Group, Macquarie Uni, Australia — 03/2016-present
Research Associate - Development of immune assays for Queensland fruit fly
Supervision: Fleur Ponton

Hawkesbury Institute for the Environment, Western Sydney Uni, Australia — 03/2016–05/2016
Research Assistant - Diversity of fig wasps
Supervision: Jane DeGabriel, James Cook

Western Sydney Uni, Australia — 2014-2015
Demonstrator, Invertebrate Biology

Hawkesbury Institute for the Environment, Western Sydney Uni, Australia — 02/2013-submitted
"Molecular ecology, geography and species interactions of *Mycopsylla* insects with their bacterial endosymbionts, parasitoids and host fig trees"

Fieldwork | DNA extraction and sequencing | Phylogeny | NGS: shotgun and 16S amplicon sequencing | Population genetics | Biogeography

Supervision: James Cook, Markus Riegler

INRA and YNSECT, Versailles, France — 03/2012-10/2012

"Optimization of diets given to insects (*Tenebrio molitor* and *Hermetia illucens*) for protein production for animal and human consumption"

Identification industry by-products | Insect rearing | Feeding assay

Supervision: Frederic Marion-Poll (INRA), Antoine Hubert (Ynsect)

IRD/ICIPE - International Centre for Insect Physiology & Ecology, Nairobi, Kenya — 03/2011-09/2011

"Study of potential gene flow of Kenyan populations of *Busseola fusca*, focus on some dispersal and reproductive aspects"

Fieldwork | Study of flight in wind tunnel | Controlled crosses

Supervision: Pascal Campagne, Bruno Le Ru

Museum National d'Histoire Naturelle, Paris, France — 08/2010

Bat monitoring in Paris

Project coordination and Bat recording

Supervision: Christian Kerbiriou

Agroproj', Morocco — 2009-2010

Comparison of agricultural techniques in 2 villages

Creation of the association | Interviews with farmers and local organizations

University of Sydney, Australia — 08/2009-2/2010

"Influence of the macronutrient intake on *Tenebrio molitor* immune response"

Insect rearing | Diet preparation | Immune assay

Supervision: Fleur Ponton, Steve Simpson

GRANTS & FELLOWSHIPS

ABRS Travel Grant for Association for Tropical Biology and Conservation conference (AU$1650) — 2015

Hawkesbury Institute for the Environment Postgraduate Research Award — 2013-2016

WORKSHOPS

Introduction to phylogenetic analysis — 2013
University of Sydney, Australia
Simon Ho and Sebastian Duchene

GenAlex—Genetic Analysis for population studies — 2013
Australian National University, Canberra, Australia
Rod Peakall and Peter Smouse

PUBLICATIONS

Ponton F., Lalubin F., **Fromont C**., Wilson K., Behm C., Simpson S.J. (2011) Hosts use altered macronutrient intake to circumvent parasite-induced reduction in fecundity. *International Journal of Parasitology* 41: 43-50

Fromont C., Riegler M., Cook J.M. (2015) Characterisation of fourteen microsatellite markers for the Australian fig psylloid, *Mycopsylla fici*. *Australian Journal of Zoology* 63: 233-235

PUBLICATIONS

Hall A.A.G., Morrow J.L., **Fromont C.**, Steinbauer M.J., Taylor G.S., Johnson S.N., Cook J.M., Riegler M. (2016) Codivergence of the primary bacterial endosymbiont of psyllids versus host switches and replacement of their secondary bacterial endosymbionts. *Environmental microbiology* 18: 2591–2603

Fromont C., Riegler M., Cook J.M. (2016) Phylogeographic analyses of bacterial endosymbionts in fig homotomids (Hemiptera: Psylloidea) reveal co-diversification and host dependency on both primary and secondary endosymbionts. *FEMS Microbiology Ecology. In Press*

Fromont C., DeGabriel J.L., Riegler M., Cook J.M. (2016) Diversity and specificity of sap-feeding herbivores and their parasitoids on Australian fig trees. *Insect Conservation and Diversity. Accepted*

REFEREES

Markus Riegler (PhD Advisor)
Western Sydney University
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Fleur Ponton (Internship Advisor, Sydney University)
Macquarie University
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Pascal Campagne (Internship Advisor, ICIPE, Kenya)
University of Liverpool
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