



Claudie DOUMS
Directrice d'Études EPHE
Evolutionary ecology

Personal information

Office address : ISYEB, UMR 7205 CNRS MNHN UPMC EPHE
Muséum national d'Histoire naturelle, Département Systématique et Evolution, CP39
45 rue Buffon, 75005 Paris, France

Tel : 33 (0)1 40 79 80 37

Email : claudie.doums@ephe.psl.eu

Website : <http://isyeb.mnhn.fr/DOUMS-Claudie>

Education and employment

Current position : Directrice d'Études, deuxième classe, Ecole Pratique des Hautes Etudes (EPHE) from September 2013

- June 2007 **HDR** - Université Paris VI : "Reproductive strategies in social insect : from colony to individual"
- 1998 - 2013 Maître de Conférence EPHE
- 1997-1998 ETH (Swiss Federal Institute of Technology), Zürich : "Evolutionary ecology of host-parasite interactions in *Bombus* species" in collaboration with P. Schmid-Hempel
- 1996-1997 University of Leicester (UK) : "Genetic variability and evolution of mating systems in birds" in collaboration with M. Petrie & T. Burke
- 1995 **PhD in Population Biology and Ecology** - Université Montpellier II (UM II) : "Evolution of reproductive system in freshwater gasteropes : the case of phally polymorphism in *Bulinus truncatus*" under the supervision of B. Delay et P. Jarne. Laboratoire Génétique et Environnement, ISEM, UMR 5554
- 1992 **DEA (Master 2) in Evolution and Ecology** - Université Montpellier II (UM II)
- 1991 **Maitrise (Master 1) in Population Biology** - Université Montpellier II (UM II)
- 1990 **Licence in Population Biology** - Université Montpellier II (UM II)
- 1989 **DEUG in Biology** - Université Montpellier II (UM II)
- 1987 **Baccalauréat C** – Narbonne

Graduate students and post-doctoral supervision

Post-doctoral supervision

- 2016-2017 Pierre André Eyer (ATER EPHE, 6 months) & Aurélie Khimoun (CDD EPHE 6 months) – Population genetics, speciation and urbanisation in ants
- 2007-2010 Cronin A. (ANR post-doctoral fellowship) – Colony fission in the ant *Cataglyphis cursor* (in collaboration with T. Monnin)
- 2010 (1 year) Sillam-Dussès D. (ATER ParisVI) – Genetic and morphological factors affecting worker allocation during colony fission in the ant *Cataglyphis cursor*



- 2009 (2 months) : Cournault L. – Production of diploid males in the ant *Cataglyphis cursor*: a cost of thelytoky
2001-2002 (6 months) : Baudry E. (ATER EPHE) – Behavioral and genetic differentiation in the queenless ant *Diacamma*

PhD Thesis

- 2018 - Jacquier L. – Causes, consequences et mécanismes de l'adaptation au milieu urbain chez les fourmis. Co-direction with M. Molet. Doctoral School MNHN-SU
2017 - Honorio R. – Evolution morphologique : importance de la vie sociale et de la plasticité phénotypique sur la diversité morphologique dans les sociétés de fourmis. Co-direction with M. Molet. Doctoral School MNHN-SU
2011 - 2014 Helft F. – Sexual selection and mating strategies in the polyandrous ant *Cataglyphis cursor* co supervision with T. Monnin. Doctoral School EPHE (38 months)
2009 – 2014 Westhus C. – Division of labor of anti pathogen defences in social insects. International co supervision with S. Cremer (IST, Austria) (~45 months as C. Westhus was in sick leave during more than 16 months)
2006 – 2009 Chéron B. – Colonial reproduction by fission in ants and their associated intra colonial conflicts. Co supervision with T. Monnin. Doctoral School Paris 6 (37.5 months)
2004 – 2007 Bocher A. – Immune defences and division of labor in ants – co supervision with C. Tirard. Doctoral School Paris 6 (37 months)
2002 – 2006 Clemencet J. – Evolution of reproductive strategies in social insect : study of the polyandrous ant *Cataglyphis cursor*. Doctoral School Paris 6 (40 months)

Partial supervision :

- 2003 - 2007 Zink L. – Reproductive strategies and social mutualism in the ponerine ant *Ectatomma tuberculatum*. Supervised by P. Jaisson (LEEC Paris 13). I supervised the genetic part of the PhD (6 months in my lab)
2001 - 2006 Percy M. – Reproductive strategies in the ant *Cataglyphis cursor* Supervised by S. Aron (Université libre de Bruxelles). I supervised the genetic part of the PhD (12 months in my lab)

+ supervision of 21 Master 1 and 14 Master 2

Teaching activities

- From 2014, I am the administrative responsible of the specific Diplôme EPHE (equivalent to Master 2).
- EPHE (≈ 50h/year), mainly in Biostatistics and Evolutionary Ecology
- UPMC-Paris 6 (≈ 40h/year), mainly in Behavioral Ecology



Research and administrative responsibilities

Research grants

- 2017 – 2018 **ATM – MNHN : AGATE** – 5300 € (en collaboration avec S. Mona et R. Boulay, U. Tours)
- 2016 – 2017 **ATM – MNHN** 7000€
Coordinator : C. Doums
- 2015 – 2016 **ATM – MNHN** 6000€
Coordinator : C. Doums
- 2014 – 2015 **CRAC-ANT** – Convergence de Sorbonne-Universités - 74520€
Coordinateurs : T. Monnin & N. Loeuille (UPMC) et C. Doums (MNHN)
- 2013 – 2015 **ARP4 (EPHE) EVOL** - 9000€ / year
Coordinateurs : C. Doums, S. Montuire
- 2013 – 2016 **ANR ANTEVO** N°12-JSV7-0003-01: 299765€ (involvement 30 %)
Coordinator: M. Mollet
- 2012 **AP1 (EPHE)**: 2200 €
Coordinator : C. Doums
- 2009 – 2010 **Partenariat Hubert Curien (PHC) PROCOPE** : 6600 €
French coordinator : C. Doums
German coordinator: S. Cremer (University of Regensburg)
- 2007 – 2010 **ANR FISSION** N°-06-BLAN-0268-01: 200 000€ (involvement 60%)
Coordinator: T. Monnin
- 2001 – 2004 **ACI** N° 5183 : 88500 €
Coordinator: C. Doums
- 2001 – 2003 **PICS**: 120000F (involvement 40%)
Coordinator : C. Peeters
Indian Coordinator : Prof. Gadagkar (University of Bangalore)
- 1998 – 2000 **Programme national "Dynamique de la Biodiversité et Environnement"**
N° 2T00S9 : 70000F
Coordinator : C. Doums

Recent committee members

- 2016 President of the HCERES committee for the evaluation of a laboratory
- 2015-2018 External member of the CSS (scientific commission) BPE (Biologie des Populations et Ecosystèmes) of INRA
- 2012-2016 External member of the « conseil de l'école doctorale Environnements-santé » University Bourgogne-Franche Comté

Expertise

- ⇒ 19 PhD Jury
- ⇒ 8 HDR Jury
- ⇒ Grant reviewer for research funding agencies : NSF (USA 2012) ; FNRS (Belgium 2010, 2013, 2015, 2017, 2018) ; ISF (Israel, 2012) ; Ecos (France, 2011, 2015); ANR (France 2011, 2017)

Conference organisation

- ⇒ 2017 : national congress of the French section of the International Union of the Studies of Social Insects in Paris MNHN



- ⇒ 2011 : national congress of the French section of the International Union of the Studies of Social Insects in Banyuls Sur Mer

Administrative responsibilities

- ⇒ Elective functions (at EPHE : CS, CEVE, CE) from 2014 to 2018
- ⇒ Leader of the team Evolution des Sociétés Animales, UMR 7625 from 2009 to 2013
- ⇒ Treasurer of the French section of the International Union for the study of social insects from 2012 - 2015