



Claudie DOUMS

Directrice d'Études EPHE
Evolutionary ecology

Personal information

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Education and employment

Current position: Directrice d'Études, classe exceptionnelle, Ecole Pratique des Hautes Études (EPHE)

- 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

- 2021 – 2022 Jacquier L. (ATER EPHE, 1 year) – Differential gene expression between urban and rural ant colonies)
- 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

- 2021 – Taupenot A. – Genetic, environmental and social determinism of a wing polymorphism in an ant. co supervision avec M. Molet. ED MNHN-SU.
- 2021 – Gressler M. – group living in the face of pollution pressures: how ant colonies tolerate pollutants. co supervision avec M. Molet. ED MNHN-SU.
- 2018 - Jacquier L. – Causes, consequences et mécanismes de l'adaptation au milieu urbain chez les fourmis. co supervision with M. Molet. Doctoral School MNHN-SU
- 2017 - 2020 Honorio R. – Morphological evolution: the importance of social live and phenotypic plasticity on the morphological diversity of ant colonies. co supervision 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

- EPHE (≈ 90h/year), mainly in Biostatistics and Evolutionary Ecology
- UPMC-Paris 6 (≈ 20h/year), mainly in Behavioral Ecology until 2018

Research and administrative responsibilities

Research grants

2022	ATM (MNHN) DEGE-AILE – 9 800 €. Coordinator: C. Doums
2019	AP (EPHE) – 2000 €. Coordinator: C. Doums
2017 – 2018	ATM – MNHN : AGATE – 5300 € (in collaboration with S. Mona and 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€ Coordinator: T. Monnin & N. Loeuille (UPMC) et C. Doums (MNHN)
2013 – 2015	ARP4 (EPHE) EVOL - 9000€ / year Coordinator: C. Doums, S. Montuire
2013 – 2016	ANR ANTEVO N°12-JSV7-0003-01: 299765€ (involvement 30 %) Coordinator: M. Mollet.
2012	AP1 (EPHE) : 2200 € Leader : 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

2022	Recruiting committee for a Junior Professor position at the University of Perpignan (UPV).
2021	Recruiting committee for a Professor position at Ecole Normale Supérieure (ENS-PSL) and for an assistant Professor at the Paris-Saclay University.
2020	Recruiting committee for an assistant professor at the University Paris13 (LEEC), one at the Université of Bourgogne France-Comté, and two at the University of Poitiers and for pour two assistant Professor at the Université



- de Poitier.
- 2019 Recruiting committee for a Professor position at Lyon1 University.
 - 2017 Recruiting committee for a Professor position at UPMC.
 - 2015 – 2020 External member of the CSS (scientific commission) BPE (Biologie des Populations et Ecosystèmes) of INRAE
 - 2016 President of the HCERES committee for the evaluation of the laboratory Abeille & Environnement (INRAE Avignon)
 - 2008 – 2016 External member of the « conseil de l'école doctorale Environnements-santé » University Bourgogne-Franche Comté
 - 2015 Recruiting committee for a Professor position at l'UPMC.
 - 2014 Recruiting committee for an assistant Professor at Université de Bourgogne.

Expertise

- ⇒ 22 PhD Jury
- ⇒ 11 HDR (Habilitation à diriger les recherches) 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)
- ⇒ Editorial activity:
 - 2020-... : member of the editorial board of Myrmecological News — Open Access Journal (IF 2.6)
 - 2020-2021: Guest Editor with Thibaud Monnin of a special issue on “Evolutionary ecology of social insects in a changing world” for the journal Animals (IF 2.3)

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

- ⇒ Head of the department Sciences de la Vie et de la Terre de l'EPHE – PSL from 2022
- ⇒ Vice-président Education and student life of EPHE – PSL from 2018 – 2022
- ⇒ Responsible of the specific Diplôme EPHE – PSL (equivalent to Master 2): 2014 – 2018
- ⇒ Elective functions at EPHE – PSL : « Conseil scientifique », « Commission des enseignements et de la vie étudiante » : 2014 – 2018
- ⇒ Leader of the team 'Evolution des Sociétés Animales', UMR 7625: 2009 – 2013
- ⇒ Treasurer of the French section of the International Union for the study of social insects: 2012 – 2015

Awards and honours

- 2017 : Chevalier dans l'ordre des Palmes académiques
- 2021 : Chevalier dans l'ordre National du Mérite