



**Claudie DOUMS**  
Directrice d'Études EPHE  
Evolutionary ecology

**Personal information**

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**Education and employment**

**Current position :** Directrice d'Études, première classe, Ecole Pratique des Hautes Etudes (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) – Differential gene expression between urban and forest ants
- 2016-2017 Eyer P.A. (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 - 2021 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 - 2020 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

- Current teaching activities: EPHE ( ≈ 60h/year), mainly in Biostatistics and Evolutionary Ecology
- Pedagogic responsibilities: responsible of the specific Diplôme EPHE (equivalent to Master 2) from 2014 to 2018.



## 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 : HYBRID-ANT** 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

### Committee members

- Since 2014 Recruitment committee for ten professor or assistant professor positions in French University and for most of the recruitment committees of the EPHE
- 2015-2020 External member of the CSS (scientific commission) BPE (Biologie des Populations et Ecosystèmes) of INRA
- 2016 President of the HCERES committee for the evaluation of a laboratory
- 2012-2016 External member of the « conseil de l'école doctorale Environnements-santé » University Bourgogne-Franche Comté

### Expertise

- ⇒ 20 PhD Jury
- ⇒ 9 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)
- ⇒ Editorial activity:  
2020- ... : member of the editorial board of Insects — Open Access Journal (IF 2.14)



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**

- ⇒ Vice Présidente Formation et Vie Etudiante de l'EPHE from 2018
- ⇒ Elective functions at EPHE: « Conseil scientifique », « Commission des enseignements et de la vie étudiante » 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

### **Awards and honours**

2017 : Chevalier dans l'ordre des Palmes académiques

2021 : Chevalier dans l'ordre National du Mérite