



Marc  
GILLES

PhD student



INFO

Birth date  
**24/04/1995**

Age  
**27**

Nationality  
**French**

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CONTACT

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EDUCATION

- From 2019 **PhD Behavioural Ecology** • Bielefeld University, Germany  
In progress
- 2016 - 2018 **MSc Ecophysiology Ethology** • University of Strasbourg, France  
Grade: 15.24/20 - Rank: 2/25
- 2013 - 2016 **BSc Biology Animal Physiology** • University of Caen, France  
+ Erasmus year at University of Bergen, Norway  
Grade: 17.04/20 - Rank: 1/307



RESEARCH EXPERIENCE

- From 2019 **Project: Functions of preen oil and odour in birds**  
Supervision: Barbara Caspers, Innes Cuthill, Tamás Székely  
Place: Department Behavioural Ecology, Bielefeld University, Germany
- 2018 **Project: Effects of early food conditions on morphology and personality in blue tits**  
Supervision: Jon Brommer, Barbara Class  
Place: Department of Biology, University of Turku, Finland
- 2016 **Project: Collective movements of domestic horses**  
Supervision: Odile Petit, Manon Corbin  
Place: Ecophysiology Ethology Department, CNRS, Strasbourg, France



PUBLICATIONS


- 2022 **Gilles M.\***, Fokkema R. W.\*, Korsten P., Caspers B. A., Schmoll T. (2022) Preen oil composition of Pied Flycatchers is similar between partners but differs between sexes and breeding stages. *Under review*. \* **co-first authors**
- Grieves L. A.\*, **Gilles M.\***, Cuthill I. C., Székely T., MacDougall-Shackleton E. A., & Caspers B. A. (2022). Olfactory camouflage and communication in birds. *Biological Reviews*. DOI: <https://doi.org/10.1111/brv.12837>. \* **co-first authors**





CONFERENCES


- 2022 **114<sup>th</sup> Annual Meeting of the Zoological Society, Bonn**. Oral presentation. "Can plover chicks recognise the smell of their parents?".  
**ISBE, Stockholm, Sweden**. Oral presentation. "Olfactory camouflage and communication in birds".
- 2021 **113<sup>th</sup> Annual Meeting of the Zoological Society**. Online oral presentation. "Partners smell alike: Preen oil and olfactory phenotypes in pied flycatchers".  
**Invited talk at McMaster Ecology, Evolution & Behaviour Seminar, Hamilton, Canada**. Online oral presentation. "The preen oil of birds: olfactory camouflage and communication".
- 2020 **ASAB Twitter Conference**. Twitter thread and video. "Do birds use preen oil for olfactory communication or camouflage?"

## LANGUAGES

 Native (C2)

 Bilingual (C2)

 Fluent (B2)

 Medium (B1)

- 2020 **ASAB Winter Meeting.** Online presentation. "What information in preen oil? Sex and seasonal differences in the chemical composition of avian preen oil".
- 2019 **15<sup>th</sup> Annual Meeting of the Ethological Society, Tübingen, Germany.** Poster. "Smelly plovers: what is the function of preen oil?"
- 2017 **3<sup>rd</sup> ÉLVONAL Shorebird Workshop, Debrecen, Hungary.** Oral presentation. "Preen oil composition changes during breeding: how and why?".
- 2016 **Sfécologie International Conference on Ecological Sciences, Rennes, France.** Oral presentation. "Blue tits and caterpillars: Impacts of early food availability on morphological and behavioural development".



## GRANTS

2022 **ISBE Travel Award**



## STUDENT SUPERVISION

Marit Praetz (MSc student)

Sidonie Rakotoarisoa (MSc student)

Michelle Meschede (BSc student)



## AWARDS

2022 **Best student talk.** 114<sup>th</sup> Annual Meeting of the Zoological Society, Bonn, Germany.

2021 **"People's choice" video winner.** ASAB video contest.

**Best poster Eberhard-Gwinner-Preis.** 15<sup>th</sup> Annual Meeting of the Ethological Society, Germany.

2018 **Best poster.** International Student Course in Behavioural Biology, Paris, France.



## TEACHING

2021 & 2022 Master course "Ecosystems Wadden Sea", Bielefeld University, Germany.

2020 - 2022 Host of the "Animal Behaviour Seminar", Bielefeld University, Germany.



## LABWORK

2020 - 2022 Preen oil extraction & gas chromatography



## WORKSHOPS ATTENDED

2021 Online PERMANOVA+ PRIMER workshop

2020 Modelling Population Dynamics workshop, Debrecen, Hungary.



2019 Meta-analysis workshop, Bielefeld, Germany.



## FIELDWORK

2022  Plovers  
 Madagascar

2021  Pied flycatchers  
 Germany

2019  White-throated dippers  
 France

2018  Pipits  
 Argentina

 Blue tits  
 Finland