

## Juliane Gaviraghi Mussoi - PhD Candidate

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### Summary

- **Ph.D. candidate** in Biology from the University of Auckland (New Zealand).
- **Master of Science** - Biology - Animal Ecology from Lund University (Sweden).
- Experience in avian **cognition, behaviour** and **vision**.
- More than ten years of **teaching** experience in several areas.
- Experience with **handling, banding** and **husbandry** of wild and captive birds.

### Education

**Ph.D. candidate.** University of Auckland - New Zealand (2019 – present)  
Thesis: The effects of sleep on avian vocal performance.

**Master's in biology** - Animal Ecology. Lund University – Sweden (2016 – 2018)  
Thesis: Mirror-mediated spatial location in great tits (*Parus major*).

**Bachelor in Biological Sciences.** Universidade de Caxias do Sul – Brazil (2011 – 2016)  
Thesis: Behavioral analysis of Southern lapwing, *Vanellus chilensis*, with human presence.

**Exchange** - General Biology. Thompson Rivers University – Canada (2012 – 2013)  
Exchange Program through the Brazilian government scholarship Science Without Borders

### Publications

**Gaviraghi Mussoi, J.**, Stanley, M. C., & Cain, K. E. (2022). Importance of sleep for avian vocal communication. *Biology Letters*, 18(8) 10.1098/rsbl.2022.0223

Johnsson, R. D., Connelly, F., **Gaviraghi Mussoi, J.**, Vyssotski, A. L., Cain, K. E., Roth, T. C., & Lesku, J. A. (2022). Sleep loss impairs cognitive performance and alters song output in Australian magpies. *Sci Rep*, 12(1) 10.1038/s41598-022-10162-7

Chaib, S., **Mussoi, J. G.**, Lind, O., & Kelber, A. (2021). Visual acuity of budgerigars for moving targets. *Biol Open*, 10(9) 10.1242/bio.058796

### Research

University of Auckland - Mar/2019 - present  
Ph.D. project  
Project: The effects of **sleep** on avian **vocal performance**.  
Advisor: Kristal Cain, Margaret Stanley

University of Auckland - Mar/2019 – Mar/2020  
Ph.D. project  
Project: **Visual** and **auditory ornaments** in New Zealand Fantails (*Rhipidura fuliginosa*)  
Advisor: Kristal Cain, Margaret Stanley

Lund University - Jun/2018 - Aug/2018  
Internship  
Project: **Detection** of moving targets in **budgerigars** (*Melopsittacus undulatus*)  
Advisor: Almut Kelber

Lund University - Aug/2017 – Jun/2018

Master Thesis

Projects: Mirror-mediated **spatial location** in great tits (*Parus major*)

Advisor: Anders Brodin

Lund University - Nov/2016 – Jul/2017

Internship

Projects: **Problem solving** in urban and rural great tits (*Parus major*)

**Self-control** with experienced great tits (*Parus major*)

Advisor: Anders Brodin

Universidade de Caxias do Sul - May/2015 – Apr/2016

Bachelor's Thesis

Project: **Behavioural analysis** of Southern Lapwing (*Vanellus chilensis*) with **human** presence

Advisor: Renata de Boni Dal Corno

Thompson Rivers University - May/2013 – Aug/2013

Field Technician

Project: Associations of **parental care** and quality on offspring **plumage** colouration in mountain bluebirds (*Sialia currucoides*)

Advisor: Matthew Reudink

Universidade de Caxias do Sul - Mar/2011 – Aug/2012

Laboratory Internship

Project: **Cellulase, xylanase and pectinase production** from *Penicillium echinulatum*, *Aspergillus oryzae* e *Trichoderma reesei* fungi in solid and liquid cultivation.

Advisor: Marli Camassola, Aldo José Pinheiro Dillon

### Teaching experience

**Ecology and Evolution: The Continuum of Life (BIOSCI 109) – 2023**

Teaching Assistant

The University of Auckland, New Zealand

**Quantitative Biology (BIOSCI 220) – 2023**

Teaching Assistant

The University of Auckland, New Zealand

**Biology of Terrestrial Animals (BIOSCI 338) – 2021 - 2023**

Teaching Assistant

The University of Auckland, New Zealand

**Tools to make engaging research posters - 2021**

Online Workshop - [Youtube Link](#)

Australasian Society of the Study of Animal Behaviour - 2021

**Animal Behaviour (BIOSCI 337) – 2019 - 2022**

Teaching Assistant

The University of Auckland, New Zealand

**Animal Form and Function (BIOSCI 207) – 2019, 2021**

Teaching Assistant

The University of Auckland, New Zealand

**Skype a Scientist Program - Mar/2019 – Dec/2019**

**English as Second Language - Sep/2018 - Feb/2019**

English Teacher

Talkers Idiomas, Brazil

**Animal Behaviour** - Apr/2018

Demonstrator  
Lund University, Sweden

**English as Second Language** - Aug/2015 – Jul/2016

English Teacher  
SKILL Idiomas, Brazil

**English as Second Language** - Sep/2013 – Jul/2014

English Teacher  
Instituto de Idiomas Yázigi, Brazil

**Computer to Older Adults** - Sep/2013 - Dec/2013

Teacher  
Community Volunteering, Brazil

**Community Teacher** - Mar/2007 - Jul/2012

Community Volunteering, Brazil

### Scholarships and Prizes

**ISBE Travel Award** (2022)

**Runner-up - Best Student Poster NZES Conference** (2021)

**Best poster - SBS Showcase** (2021)

**AOC 2022 Student Grant** (2021)

**CBB publication stipend** (2021)

**ASSAB Student Research Grant** (2020)

**3rd place - FoS PG Research Showcase** (2019)

**University of Auckland Doctoral Scholarship (UoADS)** (2019 - 2022)

**Science without Borders Scholarship** (2012 - 2013)

### Courses and Training

**Bioacoustic Analysis in R (2021)** - Organization for Tropical Studies (OTS)

**Wild Bird Rescue and Rehabilitation (2021)** - Learn Bird Care and New Zealand Bird Rescue

**Strategic communication for environmental causes (2021)** - Universidade de Caxias do Sul (UCS)

**Outdoor First Aid (2019)** - First Training

### Event Presentations

**ASSAB Conference 2022 (Talk + Organization)** - 2022

Virtual Meeting

**International Society for Behavioral Ecology Congress 2022 (Talk)** - 2022

Stockholm - Sweden

**Australasian Ornithological Society Conference (Talk)** – 2022

Virtual Meeting

**New Zealand Ecological Society Conference (Poster)** - 2020

Virtual Meeting

**School of Biological Sciences Showcase - UoA (Poster)** – 2021

Virtual Meeting

**ASSAB Conference 2020 (Talk + Organization)** - 2020

Virtual Meeting

**25th Congress of the European Sleep Research Society (Poster)** - 2020

Virtual Meeting

**57th Annual Conference of the Animal Behavior Society (Talk)** – 2020

Virtual Meeting

**Exposure Postgraduate Research Exposition - 2019**

Auckland, New Zealand

**Faculty of Science 2019 Postgraduate Poster Competition - 2019**

Auckland, New Zealand

**ASSAB Conference 2019** (Poster presentation) - 2019

Waiheke, New Zealand

**35th International Ethological Conference** (Poster presentation) - 2017

Estoril, Portugal

**Biologists in Lund Annual Meeting** (Poster presentation) - 2017

Lund, Sweden

**Swedish OIKOS Meeting** (Symposia presentation) - 2017

Lund, Sweden

**Meeting of Young Researchers** (Poster presentation) - 2011

Caxias do Sul, Brazil

### Professional Services

**Conference Liaison** - 11/2022 - present

Australasian Society of the Study of Animal Behaviour – ASSAB

**Workshop coordinator** - 04/2021 – 11/2022

Australasian Society of the Study of Animal Behaviour – ASSAB

**Blood coordinator** - 06/2019 – 08/2022

School of Biological Sciences

**Outreach officer and board member** - 07/2019 – 11/2022

Australasian Society of the Study of Animal Behaviour - ASSAB

**Manuscript reviewing**

Evolutionary Ecology – 2020

Behavioural Processes – 2019

**Outreach officer and board member** - 2017 - 2018

Projekt6 (NGO)

### Relevant Certifications

**Banding Level 1** - New Zealand (2019)

**Bird Handling** - Sweden (2016)

**Animal Handling** - Canada (2013)

**Laboratory Animal Handling** - Brazil (2012)

### Volunteering

**Board Member and Head of Project and Internal Engagement at NGO Projekt6** - 2018

**Outreach Officer at NGO Projekt6** - 2017

**Organization Volunteer for Swedish OIKOS Meeting** - 2017

**Vice-Secretary of Biology Student Union (UCS)** - 2015

**Computer to Older Adults Teacher** - 2013

**Community School Teacher** - 2007 - 2012

**Organization Volunteer for Simpósio Nacional de Bioprocessos** - 2011

## Languages

**Portuguese** (Native)

**English** (Proficient)

**Spanish** (Basic)

**Italian** (Basic)