

Rym Nouioua, MSc

Doctoral Researcher

"Since animals perceive environmental changes differently than we do, I think it's important to bring ecology into the world of art."



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Academic training

Doctoral Programme (PhD) - University of Vienna, A
February 2023 - ongoing

Birds, bats and related ecosystem services in a European land use context:
linking conservation evidence, agricultural practices and socio-ecological
perspectives

Certificate for leading mist nettings on bats in study area*

Master's Programme Ecology - University of Bremen, DE
October 2019 – October 2022

Thesis: Effects of large-scale forest fires on the activity and habitat selection
of insular bats (Prof. Dr. Marko Rohlf; Dr. Ricardo Rocha) - *Thesis grade: 1.11*

Erasmus+ Internship - CiBio, Research Centre in Biodiversity and Genetic
Resources, Vairão, PT

June 2021 - March 2022

Certified bat mist netting experience and identification*

Laboratory Internship in Entomology and Forest Conservation - Albert-
Ludwig University Freiburg, DE

January 2021 - March 2021

Research project: Screening interaction between microorganism associated to
the ambrosia beetle *Xyleborinus saxesenii*

Bachelor of Forestry and Environment - Albert-Ludwig University Freiburg, DE
October 2013 - March 2018 (Minor: International forestry)

Thesis: The frequency of social calls of the bat genus *Pipistrellus* in relation to
forest structures and temperature (Prof. Dr. Ilse Storch; PhD Marlotte Jonker)

Certified bat mist netting and identification*

Semester Abroad - University Austral de Chile, Valdivia, CL

September 2016 - March 2017

Research project: Insects as bioindicators

Languages

German: nativ

Italian: nativ

English: C1.2 certified*

Spanish: B2.1 certified*

Latin: Latinum (Abitur)

Skills

Supervision:

Co-Supervision of 2 Master
Students (2024)*

2 Internships on bat
monitoring (2023, 2024)*

EDP / IT:

MS Office (Word, Power-Point,
Excel, Database)

R / Rstudio

Bat Explorer / bcAdmin /
Kaleidoscope (certified*)

Ableton / Audacity / Reaper
ArcGis / QGIS / Basecamp

Sensory devices:

Batlogger (Elecon) /

Batcorder / AudioMoth /

SM mini bat (WildlifeAcoustics)

Other:

University teaching
qualification (2024)*

Chainsaw license (2014)*

Class B driving license (2010)*

Scientific employment

Pro Bono Consultant, Landesbund für Vogelschutz (LBV) – Bat Parcs Munich;
DE - methodology bat monitoring, bioacoustic data analysis
April 2024 – March 2025

Research Stay “Co-producing biodiversity-friendly management practices to advance ecosystem services provided by agroforestry systems”, Central Sulawesi, Indonesia

Lead: Bioacoustic monitoring and analysis, bat mist netting and identification
01-31 January 2024

Research Assistant, FWF Project ECO-OLIVES - University of Vienna, AT

Bioacoustics, Bats and Birds, analysis and reports
1 August - 1 November 2023

Landscape planning company; Dipl.- Forstw. H.-J. Zurmöhle, Waldkirch, DE
Focus: Bats, Birds, and Amphibian management, Nature conservation reports
April 2019 - July 2019

Research Assistant - ConFoBi (Conservation of Forest Biodiversity in Multiple-Use Landscapes of Central Europe), University, Freiburg, DE

Project B5 "Bats and forest structures"
Bioacoustics monitoring, mist netting assistance, analysis and reports.
October 2018 - December 2018

Scientific Talks

16th European Bat Research Symposium, Tarragona, ES

Conference abstract and Presentation: Winter bat activity and habitat effects in a changing climate: A case study from Tuscany, Italy
17-21 May 2024

7th European Congress of Conservation Biology, Bologna, IT

Excursion Organization: “Bat night” 18. + 19. May 2024
Conference abstract and Presentation: Can olive groves support bat conservation during winter? A Case Study on Climate-Influenced Winter Bat Activity and Habitat Interactions in Tuscany, Italy
17-21 May 2024

10th Workshop of IOBC/WPRS “Landscape Management for functional Biodiversity” at Scuola Superiore Sant’Anna, Pisa, IT

Conference abstract and Presentation: Can olive groves support bat conservation during winter? A case study from Tuscany, IT
20-22 March 2024

Funding and Grants

2023 Prof. Bingel Stipendium der DAAD-Stiftung*

2023 TRUST! Science Communication Project by the Austrian Academy of Sciences (ÖAW) and FÄKT*

2023 Short-term grant abroad (KWA) University of Vienna*

2022 Co-Author FWF – Fond SOUNDS WILD (WKP 193)*

Memberships

Italian Association for the Study and Conservation of Bats (CIRG), since 2024

Society for Conservation Biology (SCB), Italy, since 2024

KFFÖ – Coordination Office for Bat Conservation in Austria, since 2023

British Ecological Society (BES), since 2021

Module awards

2021 "Insect Ecology" - Prof. Dr. Marko Rohlf

2016 "Bat Monitoring" – Dr. Geva Peerenboom | Certified bat mist-netting experience, monitoring and identification*

Scientific Talks (continued)

4th Conference of the Society of Island Biology, Lipari, IT

Conference abstract and Presentation: Effects of large-scale forest fires on island bats

2-7 July 2023

Mit allen Sinnen: Biodiversität sehen, hören, riechen. Aisthetiken der Vielfalt, Rhöniversum, Umweltbildungsstätte Oberelsbach, DE

Presentation and interdisciplinary Workshop: Bats, bioacoustics and sonic art

11 - 13 May 2023

2nd International Bat Research Online Symposium (IBROS), Berlin, DE

Conference abstract and Presentation: Acoustic behavior in bats: Patterns and characteristics of *P. Maderensis* social calls

24 -25 January 2023

Student Conference on Conservation Science, Cambridge, UK

Conference poster: Island bats and forest fires

29 - 31 March 2022

Other relevant qualifications (selected)

For press articles and evidence/links see my website rym-nouioua.com

Leading and Organization of FWF Science Communication Project SOUNDS

WILD – University of Vienna, AT

School Workshops and PR on Bats, Birds and Ecosystem services

February 2023 – 2025

Identification of hibernating bats in Natura 2000 site "Nietoperek" - 21st,

22nd, 24th International Winter Bat Census, Lubrza, PL (Certified*)

January of 2022, 2023 and 2025

Various Sound Art Projects - Sound Art on Bioacoustic and Bats | Podcasts |

Workshops | Interviews and Panel Discussions

since 2017 – current

Assistant for Production and Research - HG-Medien for Riffreporter, Berlin,

DE; Science Journalism (Phosphorama)

January 2021 - June 2021

TEDx Freiburg, DE - TEDx Talk "I'm listening to bats. Professionally. Here is what I learned"

November 2019

Various Film and Media Projects – Location and Motiv Director, App

Development

2018 – 2022

Volunteering

Bat sanctuary, Vienna, Austria; AT

2024 - ongoing

Schönberg School Youth Welfare Service, Freiburg e.V, Freiburg, DE;

Tutor, supervision

2017 - 2019

Tier - Natur – Erlebnispark

Mundenhof, Freiburg, DE;

Internship in nature education and animal care

June 2017 - September 2017

Kompaz Festival, Playa de las

Docas, Chile

Beach Clean-Up Project; clean environment

2016 - 2017

Initiative "Denkmal... in Farbe",

Freiburg, DE;

Art project for integration and intercultural exchange

2015 - 2016

Lebenshilfe Breisgau e.V., Diakonie Müllheim e.V., DE;

Personal assistance, care, (children with severe multiple disability and children with Kanner Autism)

2010 – 2016

Ecological Farm, Deeral, QLD,

Australia; Volunteer Farming

2012 - 2013

Publication List

El-Khaled et al. (2024) Comparative assessment of invertebrate biodiversity in two common Mediterranean algae habitats. *Role: Formal Analysis-Supporting, Writing – review & editing-Equal. Under review (Frontiers in Marine Science).*

Nouioua et al. (2024) Social Calls characteristics of the island restricted Madeira pipistrelle. *Accepted (Bat research and conservation).*

Darras et al., (2024) Worldwide Soundscapes: a synthesis of passive acoustic monitoring across realms. *Role: Data curation, writing-review. Accepted (Global Ecology and Biogeography). Preprint DOI: [10.1101/2024.04.10.588860](https://doi.org/10.1101/2024.04.10.588860)*

Dornelas et al. (2024) BioTIME 2.0: expanding and improving a database of biodiversity time series. *Role: Data curation. Accepted (Global Ecology and Biogeography).*

Darras et al., (2023) ecoSound-web: an open-source, online platform for ecoacoustics. *Role: Data curation and contribution: Madeira ecosound-web.de/ecosound_web/collection/show/425; Data curation and contribution ECO-OLIVES ecosound-web.de/ecosound_web/collection/show/140*

Thesis

Master Thesis: Nouioua et al. (2022) Effects of large-scale forest fires on insular bats. *ResearchGate, DOI [10.13140/RG.2.2.28679.00167](https://doi.org/10.13140/RG.2.2.28679.00167)*

Bachelor Thesis: Nouioua et al. (2018) Die Häufigkeit von social calls der Gattung Pipistrellus in Relation zu Waldstrukturen und Temperatur. *ResearchGate, DOI [10.13140/RG.2.2.32034.44484](https://doi.org/10.13140/RG.2.2.32034.44484)*

Acknowledged contributions

Nóbrega et al. (2023) Nobrega Insights into the habitat associations, phylogeny, and diet of *Pipistrellus maderensis* in Porto Santo, northeastern Macaronesia. *See Acknowledgements. Role: Support on the acoustic analysis (Web Ecology, 23(1), 87–100. DOI: [10.5194/we-23-87-2023](https://doi.org/10.5194/we-23-87-2023))*

Bertsch (2023) *Scolia hirta* (Schrank, 1781) neu in Südwestdeutschland und der Nordschweiz (*Hymenoptera: Scoliidae*). *Role: Includes documentation and identification of a Scolia hirta specimen at Breisach am Rhein on July 11, 2020, by Rym Nouioua (Ampulex, 14, 50–54. ISSN: 2190-3700)*

** I am happy to provide you with any further information and listed certificates on request.*