



Dr. Tony RINAUD

📍 **Home** : Angouleme, France

✉ **Email**: tony.rinaud@gmail.com 📞 **Phone**: (+33) 670241458

Date of birth: 1992 **Nationality**: French

ABOUT ME

Early-career researcher in ecology and evolution. PhD in bioinformatics and natural sciences. Training in genomic and transcriptomic analyses (R, bash). Specialized on species interactions, i.e. competition, host-parasite interactions.

WORK EXPERIENCE

[2022 – Current]

Guide book publication

Redacting a birding guide on the phenology of rare birds of Western Palearctic

- Data compilation, pruning and visualization with Shiny (R).
- Cartography (R, leaflet)

Corresponding interactive website:

https://tony-rinaud.shinyapps.io/WP_rare_birds/

Nayden Chakarov, Oliver Krüger - Bielefeld University (Germany)

City: Bielefeld

[12/2018 – 04/2023]

PhD candidate

Research project on host-parasite interaction between birds of prey and blood parasites. Effect of blood parasite infection on juvenile raptor transcriptomes and phenotypes. Fieldwork, bioinformatics and DNA and RNA labwork involved.

Sarah Leclaire - University of Toulouse (France)

City: Toulouse

[05/2023 – 07/2023]

Fieldwork supervisor - Middleton Island, Alaska

Training a PhD student during fieldwork. Catching, measuring, drawing blood samples, ringing seabirds. Cross-fostering experiment.

[05/2018 – 08/2018]

Field assistant - Middleton Island, Alaska

Vincent Bretagnolle, Clément Harmange - CNRS of Chizé (CEBC, France)

[02/2017 – 08/2017]

Master 2 Internship

Study of the interspecific competition between the Grey partridge (*Perdix perdix*) and the Red-legged partridge (*Alectoris rufa*) in agricultural plains of Western France. Capture, blood sampling, measurements and playback experience. Niche, phenology and behavioural analyses. Published.

Victor Turpaud-Fizzala - Groupe Ornithologique des Deux-Sèvres (France)

[03/2016 – 08/2016]

Civic service

Monitoring focal and endangered species (little bustard, stone-curlew, curlew, lapwing, harriers) during the breeding period.

Loïc Marion (CNRS) - University of Rennes 1 (France)

[03/2015 – 06/2015] **Master 1 internship**

Analysis of the demographic evolution of seven species of french Ardeidae between 2007 and 2014.

Marc-André Villard - University of Moncton (Canada)

[05/2014 – 07/2014] **Field Assistant**

Fieldwork on the demographic response of passerines through single-tree selection harvesting in hardwood forest.

EDUCATION AND TRAINING

[01/2019 – 01/2019] **Evomics workshop - genomics and transcriptomics**

GENECO program (Czech Republic)

One week theoretical and practical training on genomics, transcriptomics, proteomics and sequence annotations.

[09/2016 – 06/2017] **2nd Year Msc Biology, Ecology and Evolution**

University of Poitiers (France)

[09/2014 – 07/2015] **1st Year Msc. Functionnal, Behavioral and Evolutionary Ecology**

University of Rennes 1 (France)

[09/2013 – 05/2014] **3rd year BSc. Exchange Program in Ecology and Biology of Organisms**

University of Moncton (Canada)

[09/2010 – 05/2014] **Bachelor in Natural Sciences**

University of Poitiers (France)

LANGUAGE SKILLS

Mother tongue(s): French

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

R | bash | QGIS | Microsoft Office

PUBLICATIONS

[2025] [Blood parasite infection causes marginal temporary costs in juvenile birds of prey](#)

Reference: Rinaud, T., Ottensmann, M., Rapp, T. M., Pereira, H., Gladow, K. P., Krüger, O., & Chakarov, N. (2025). *Frontiers in Ecology and Evolution*, 13, 1581179.

[2023] [Friends or foes? Blood parasite costs and defence abilities in young raptor hosts](#)

Reference: Rinaud, T. Cumulative PhD thesis (2023) Bielefeld University

Link: <https://pub.uni-bielefeld.de/record/2984118>

- [2020] [**Interspecific competition between two partridges in farmland landscapes**](#)
- Reference:** Rinaud, T.*, Harmange, C.*, Pays, O., Sarasa, M., Saillard, M., & Bretagnolle, V. (2020) *Animal behaviour*. 165 (2020): 23-34.
- [2025] [**Surviving in a changing world: weather and juvenile condition matter for a long-lived avian predator, but blood parasites do not appear to**](#)
- Reference:** Ottensmann, M., Wiegmann, A., Kruger, O., Rinaud, T., Strube, C., Winternitz, J., & Chakarov, N. (2025). *Oikos*, e11072.
- [2024] [**Early-life factors shaping the gut microbiota of Common buzzard nestlings**](#)
- Reference:** Pereira, H., Chakarov, N., Hoffman, J. I., Rinaud, T., Ottensmann, M., Gladow, K. P., ... & Krüger, O. (2024) *Animal Microbiome*, 6(1), 27.
- [2024] [**Insights from common buzzard broods on the interaction between Leucocytozoon infection, watercourse habitats and simuliid blackfly vectors**](#)
- Reference:** Wiegmann, A., Springer, A., Ottensmann, M., Rinaud, T., Krüger, O., Strube, C., Chakarov, N. (2024) *International Journal for Parasitology: Parasites and Wildlife*, 25 (2024). doi: 10.1016/j.ijppaw.2024.100978
- [2024] [**The gut microbiota-immune-brain axis in a wild vertebrate: dynamic interactions and health impacts**](#)
- Reference:** Pereira, H., Hoffman, J. I., Krüger, O., Czirják, G. Á., Rinaud, T., Ottensmann, M., ... & Chakarov, N. (2024). *Frontiers in Microbiology*, 15, 1413976.
- [2022] [**High functional allelic diversity and copy number in both MHC classes in the common buzzard**](#)
- Reference:** Winternitz, J., Chakarov, N., Rinaud, T., Ottensmann, M. & Krüger, O. (2022). *BMC Ecology and Evolution*. doi: 10.1186/s12862-023-02135-9
- [2021] [**The prevalence of Leucocytozoon ssp. in nestlings of three wild raptor species including implications on haematological and blood chemistry values**](#)
- Reference:** Wiegmann, A., Springer, A., Rinaud, T., Ottensmann, M., Legler, M., Krüger, O., Fehr, M., Chakarov, N. & Strube, C. (2021) *International Journ. Paras.: Parasite and Wildlife*. doi: 10.1016/j.ijppaw.2021.10.009
- [2021] [**Tolerability of Atovaquone-proguanil application in common buzzard nestlings**](#)
- Reference:** Wiegmann, A., Rinaud, T., Ottensmann, M., Krüger, O., Springer, A., Legler, M., Fehr, M., Strube, C. & Chakarov, N. (2021) *Veterinary Sciences*. doi: 10.3390/vetsci9080397

MENTORING

[2020 – 2022] **Student supervision (Bielefeld University, Germany)**

Developping bachelor and master project about micro-mammals density in raptor group study area, around Bielefeld, Germany. I designed the protocol and supervised students during fieldwork, statistical analyses and report writing.