

## PERSONAL DETAILS

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🚗 Driver's license



## EDUCATION

- 2019 - 2022** PhD student in Ecology, Evolution, Genetic Resources, Paleobiology – Montpellier University of Sciences & Florida International University
- 2016 - 2019** Master degree in Engineering of Ecology & Management of Biodiversity – Montpellier University of Sciences
- 2015 - 2016** Three-year graduation program, Study and Development of Natural Environments – Montpellier University of Sciences
- 2013 - 2015** Two-Year technical degree (Brevet de Technicien supérieur) in Management & Protection of the Environment – Private School of Valrance

## RESEARCH EXPERIENCE

- 2019 – 2022** **Phd Student – CNRS (French National Centre for Scientific Research).** Advisor: Pr Pierrick Labbé & Dr. Matthew Shirley – **France and West Africa** – 36 months – Ecological roles of crocodylians in the Sudano-Sahelian area.
- 2019 – 2022** **Logistics and terrestrial ecology science manager – The Lost Compass. South of France** – 24 months. Med'Connect, scientific and social project around the effects of climate change in the Mediterranean.
- 2019 – 2020** **Research assistant – IRD (Research Institute for Development). Cameroon** – 1 month. Photogrammetric and LiDAR (Light Detection and Ranging) data acquisitions using drones.
- 2019 – 2020** **Ecology Engineer – LPO (French League for the Protection of Birds). Cambounet-sur-le-Sor Regional Nature Reserve, France** – 1 month. Using drones for monitoring a breeding colony of grey heron (*Ardea cinerea*) and photogrammetric data acquisitions.
- 2018 - 2019** **Co-project manager – AMPA (Amazónicos por la Amazonía) & Nature Conserv'Action. France and Peru** – 3 months. Advising for management plans, training local field technicians, herpetological inventory in the San Martin region.
- 2018 - 2019** **Ecology Engineer – WIPSEA (Wildlife Images Process Solutions for Environmental Assessments).** Advisor: Duclos Gwénaél – **France** – 6 months. Studying and monitoring of the distribution and abundance of the New Caledonia's dugong *Dugong dugon* population.
- 2017 - 2018** **Field assistant – Island Conservation Society.** Advisor: Nasreen Khan – **Aride island, Seychelles** – 3 months. Reintroduction of Giant Tortoises *Aldabrachelys gigantea* on the Arid Island Nature Reserve and their impact on the Seychelles magpie-robin *Copsychus sechellarum*.
- 2017 - 2018** **Assistant coordinator – Zoological Society of London.** Advisor: Vincent Lapeyre – **W National Park, Niger** - 6 months. Establishment of SMART (Spatial Monitoring And Reporting Tool), data collection, analysis, and reporting. Using drones for anti-poaching efforts and fauna inventorying. Additional roles: camera trapping and sample collection.

- 2016 - 2018**     **Research project coordinator – Tropical Conservation Institute of Florida International University.** Advisor: Dr. Matthew Shirley – **Ivory Coast, Niger and Benin** - 6 months. Use of drones for the implementation of an experimental protocol for the inventory and monitoring of crocodiles in West Africa.
- 2015 - 2016**     **Research internship fellow – Smithsonian Tropical Research Institute.** Advisor: Dr Owen McMillan & Colin Morrison – **Gamboa, Panama** - 4 months.  
 (1) Synergism between host plant chemical defenses and natural enemies on the fitness of tortoise beetles.  
 (2) Role of assortative mating on the distribution of *Heliconius* species phenotypes.
- 2016 - 2018**     **Research project coordinator – Center for Functional and Evolutionary Ecology.** Advisor: Dr. Rumsais Blatrix – **France, Montpellier.** DNA barcoding of Mediterranean ants.
- 2015 - 2017**     **Research project coordinator – Center for Functional and Evolutionary Ecology.** Advisor: Dr. Rumsais Blatrix & Dr.Thibaud Decaens – **France, Montpellier.** Project « Global Malaise Trap Program » is an international collaboration between the Biodiversity Institute of Ontario (BIO) and a several international contributors. The program represents a first step toward the acquisition of detailed temporal and spatial information on terrestrial arthropod communities across the globe.
- 2014 - 2015**     **Field intern – Conservatory of Natural Areas – Ariège, France** - 2 months. Cartography of natural habitat, ecological corridors, and wetland hydrological networks in order to conserve the bog fritillary (*Boloria eunomia*) and violet copper (*Lycaena helle*) butterfly populations (species of community interest) and their host plant.
- Field intern – BIOTOPE** Engineering company specialized in environmental assessment - **France** - 2 months. Produced land occupation statements. Entomological, herpetological, ornithological, chiropterological, and botanical inventories and range mapping for environmental impact assessment.

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## WORK EXPERIENCE

- 2019 – 2020**     **Voluntary Civic Service – Nature Conserv’Action. France and abroad** – 9 months – Managing and coordinating conservation and environmental awareness projects of the NGO.
- 2012 - 2016**     **Self-employed – Reptil’Corp** (SIRET: 753 402 502 00011) - **France.** Animal service delivery and sale of animal equipment
- 2011 - 2012**     **Technician advisor – LLC BAOBAB – Montpellier, France** - 12 months. Welcoming customers, logistic, animal care (fishes, rodents, and birds), and management of the reptile and pet food departments.
- 2012 - 2013**     **Intern – veterinary clinic Languedocia – Montpellier, France** - 1 month. assistance and observation for reception, preparation, installation and the realization of surgical operation
- 2011 - 2012**     **Intern – Alligator Bay (Zoological structure) Alligator Bay – Beauvoir , France** - 1 month. Care & feeding of reptiles, reptiles handling (venomous or not)
- 2010 - 2011**     **Intern – Ferme des reptiles (Zoological structure) La Bastide de Serou, France** - 1 month. Care & feeding of reptiles, reptiles handling (venomous or not)
- 2010 - 2011**     **Intern – LLC BAOBAB – Montpellier, France** - 6 months. Welcoming customers, animal care (fishes, rodents, and birds).
- 2009 - 2010**     **Intern – LCC BOTANIC – Montpellier, France** - 6 months. Animal care (fishes, rodents, and birds)

## SCHOLARSHIP & AWARDS

- 2020** Culture-ActionS - regional center for university and school works - \$ 1,390
- 2019** Doctoral scholarship - French National Centre for Scientific Research - \$125,000  
Youth initiative award - foundation Banque Populaire du Sud - \$1,690  
Prize Innovation social and environment - foundation Banque Populaire du Sud - \$3,400  
3x Solidarity Fund and Student Initiatives Development award, University of Montpellier - \$10,530
- 2018** Montpellier University of Excellence - \$3,750  
Solidarity Fund and Student Initiatives Development award, University of Montpellier - \$2,350  
Groupe Ondulia Energie Renouvelables- \$1,130
- 2017** Student Research Assistance Scheme, IUCN-SSC Crocodile Specialist Group - \$1,000  
Foundation Biotope - \$1,850  
Special Jury Prize of the "5 minutes to convince" project student contest 2017. University of Montpellier - \$400  
Solidarity Fund and Student Initiatives Development award, University of Montpellier - \$1,850
- 2016** Smithsonian Tropical Research Institute Internship Program - \$3,350  
International Mobility Scholarship, University of Montpellier - \$1,100  
Solidarity Fund and Student Initiatives Development award, University of Montpellier - \$4,200
- 2015** Solidarity Fund and Student Initiatives Development award, University of Montpellier - \$1,200

## PUBLICATIONS

**Aubert, C.**, Le Moguedec, G., Assio, C., Blatrix, R., N'dédé Ahizi, M. (2021). Evaluation of the Use of Drones to Monitor a Diverse Crocodylian Assemblage in West Africa. *Wildlife Research* (Accepted).

Blatrix, R., **Aubert, C.**, Decaens, T., Berquier, C., Andrei-Ruiz, M. C., & Galkowski, C. (2020). Contribution of a DNA barcode to an assessment of the specificity of ant taxa (Hymenoptera: Formicidae) on Corsica. *European Journal of Entomology*, 117, 420-429.

Morrison C. R., **Aubert C.**, Windsor D. M. (2019) Variation in host plant usage and diet breadth predict sibling preference and performance in the Neotropical Tortoise Beetle *Chelymorpha alternans* (Coleoptera: Chrysomelidae: Cassidinae), *Environmental Entomology*. 48(2), 382-394.

Galkowski, C., **Aubert, C.**, & Blatrix, R. (2019). Aphaenogaster ichnusa Santschi, 1925, bona species, and Redescription of Aphaenogaster subterranea (Latreille, 1798) (Hymenoptera, Formicidae). *Sociobiology*, 66(3), 420-425.

## CONFERENCE PRESENTATIONS

**Aubert, C.**, Blatrix, R., Decaens T. 2016. Genetic barcode, taxonomy and Corsican endemism. Ecolo'Tech Congress. France, Montpellier.

## SKILLS

### Certifications

First Aid Certification

Workplace first-aid provider

Diver lvl 3 (equivalent: Rescue Diver)

Drone piloting

Boat license

Tree climbing training in tropical environment

MOOC Conservation IUCN

New technologies in protected areas

Protected Areas Management in Africa

Ecological Monitoring

Species conservation in protected areas

Law Enforcement

### Languages

French: First language

English: Fluent

Spanish: Proficient

### Informatics skills

Microsoft excel data process, Database, GIS (QGis), Agisoft Metashape, SMART (Spatial Monitoring and Reporting Tool)

## PUBLIC ENGAGEMENT AND SERVICE

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- 2017 – 2021**    **President – Nature Conserv'Action.** Scientific and conservation projects, in **France and abroad.**
- 2015 - 2016**    **Entomological Center manager – Association of Naturalists of the University of Montpellier.**  
Organization of courses and workshops on insect identification.
- 2014 - 2016**    **Volunteer – National Museum of Natural History / National Inventory of Natural Heritage – France.** Took part in several participatory scientific programs, such as the inventory of Ants in metropolitan France. Updating databases and collections of specimens for scientists.
- 2014 - 2015**    **Volunteer – French National Agency of Wildlife – Aveyron, France.** Writing an assessment document about the impact of beavers on the Dourdou River.