



# Fidji Berio

PhD student  
Evo-Devo in Elasmobranchs

- 28 years old
- 18, rue de Roqueblanque  
34790 Grabels, France
- +33 679 971 358
- fidji.berio
- <https://fberio.github.io>
- fidji.berio@umontpellier.fr
- French Citizenship

## Social Network

- Twitter
- ResearchGate
- Github
- Orcid

## Languages

- French
- English
- Spanish

## Hard Skills

- Comparative Anatomy
- Marine Biology
- R programming
- MicroCT imaging
- Histology
- Functional tests

## Soft Skills

- Hard worker
- Team work
- Enthusiast
- Meticulous

## Working Experience

- 2017 – Current **PhD Student** ENS Lyon & Institute of Evolution Sciences of Montpellier  
Project Physical and genetic factors impacting the development and evolution of elasmobranch odontodes  
Methods microCT imaging, histology, machine learning, geometric morphometrics, functional tests on *Scyliorhinus canicula*, comparative anatomy
- 2017 **Master Thesis** Univ. of Québec in Rimouski  
Project Regionalisation of the vertebral column of the thorny skate *Amblyraja radiata*  
Methods microCT imaging, clustering, Clear & Stain double coloration
- 2016 **Master Thesis** Oceanological Observatory of Banyuls-sur-mer  
Project Long-term experiment on growth dynamics of hydrothermal mussels *Bathymodiolus thermophilus* related to hydrothermal fluids dynamics  
Methods Sclerochronology, Fast Fourier Transform, Mutvei staining
- 2015 **Bachelor Thesis** Institute of Integrative Neurosciences  
Project Effects of serotonin on aggressiveness of the invasive Louisiana crayfish *Procambarus clarkii*  
Methods Video tracking, ethology, functional tests

## Education

- 2015 – 2017 **Master Studies (1/31)** European Institute for Marine Studies  
Littoral and Sea Sciences with focus on Marine ecosystems and Polar environments
- 2012 – 2015 **Bachelor Studies (1/60)** Univ. of Bordeaux  
Biology of Organisms and Ecosystems
- 2010 – 2012 **Bachelor Studies** Univ. of Montpellier  
Hypokhâgne & Khâgne – Literature studies (French and Spanish)

## Publications

- 2020 **The intraspecific diversity of tooth morphology in the large-spotted catshark *Scyliorhinus stellaris*: insights into the ontogenetic cues driving sexual dimorphism**  
*Berio et al.*  
Journal of Anatomy
- 2020 **Scyland3D: Processing 3D landmarks**  
*Berio and Bayle*  
Journal of Open Science Software
- 2019 **Evolutionary developmental genetics of teeth and odontodes in jawed vertebrates: A perspective from the study of elasmobranch fishes**  
*Berio and Debiais-Thibaud*  
Journal of Fish Biology

## Conferences

- 2020 **Oral presentation** Online Edition  
ToScA Global
- 2019 **Oral presentation** France  
Comparative Cartilage Biology meeting
- 2018 **Poster presentation** France  
Evolution
- 2018 **Poster presentation** Ireland  
EuroEvoDevo
- 2018 **Oral presentation** France  
Symposium of Morphometry and Evolution of Forms

# Fidji Berio

PhD student  
Evo-Devo in Elasmobranchs

## Hobbies

### Diving

 Level 2 FFESSM (Advanced PADI)

 Level 1 Nitrox

### DIY

 House building

 Gardening

### Travel

 Touring

 Camping

## Internship supervision

2019 **Master Student** Univ. of Montpellier  
Project Can jaw cartilage curvature variation be related to tooth shape changes in *Scyliorhinus canicula*?

2019 **High School Student** Univ. of Montpellier  
Project Discovery course about a Research Laboratory

2018 **Bachelor Student** ENS Lyon  
Project Modelling the *S. canicula* jaw curvature with Python

## Teaching

2019 **To Bachelor Students** Univ. of Montpellier  
Integrative Biology of Organisms and Comparative Anatomy

2019 **To High School Students** Univ. of Montpellier  
Embryo and Evolution

2018 **To Bachelor Students** Univ. of Montpellier  
Life Cycle of Organisms – Genetics

## Scientific life

2019 **Meeting organization** France  
Comparative Cartilage Biology meeting  
Tasks Website maintenance, abstract book management, promotion on social media

2017 **Public workshop** Canada  
Evolution viewed in colors  
Tasks Design of the activities, organization, popularization

## Referees

 **Mélanie Debiais-Thibaud** PhD supervisor  
melanie.debiais-thibaud@umontpellier.fr

 **Nicolas Goudemand** PhD supervisor  
nicolas.goudemand@ens-lyon.fr

 **Richard Cloutier** Master's supervisor  
richard\_cloutier@uqar.ca