



Fidji Berio

PhD student
Evo-Devo of Elasmobranchs

- 28 years old
- 18, rue de Roqueblanche
34790 Grabels, France
- +33 679 971 358
- fidji.berio
- <https://fberio.github.io>
- fidji.berio@gmail.com
- 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 in a skate
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

- Submitted Nov. 2020 **Phenotypic regionalization of the vertebral column in the thorny skate *Amblyraja radiata*: stability and variation**
F. Berio, Y. Bayle, C. Riley, O. Larouche, & R. Cloutier
Evolution & Development
- 2020 **The intraspecific diversity of tooth morphology in the large-spotted catshark *Scyliorhinus stellaris*: insights into the ontogenetic cues driving sexual dimorphism**
F. Berio, A. Evin, N. Goudemand & M. Debiais-Thibaud
Journal of Anatomy
- 2020 **Scyland3D: Processing 3D landmarks**
F. Berio & Y. 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**
F. Berio & M. Debiais-Thibaud
Journal of Fish Biology

Fidji Berio

PhD student
Evo-Devo of Elasmobranchs

Hobbies

Diving

 Level 2 FFESSM (Advanced PADI)

 Level 1 Nitrox

 PADI Freediver

DIY

 House building

 Gardening

Travel

 Touring

 Camping

Conferences

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

Ongoing projects

Sharks	Dental morphologies of teeth related to sex and ontogeny <u>Method</u> Geometric morphometrics
Sharks	Intrapopulation classification of tooth forms <u>Method</u> Machine Learning
Chondrichthyans	Mineralisation type diversity of the neural arches <u>Method</u> Histology
Chimaeras	Life traits and husbandry in aquaria <u>Method</u> Monitoring

Internship supervision

2019	Master Student <u>Project</u> Can jaw cartilage curvature variation be related to tooth shape changes in <i>S. canicula</i> ?	Univ. of Montpellier
2019	High School Student <u>Project</u> Discovery course about a Research Laboratory	Univ. of Montpellier
2018	Bachelor Student <u>Project</u> Modelling the <i>S. canicula</i> jaw curvature with Python	ENS Lyon

Teaching

2019	To Bachelor Students Integrative Biology of Organisms and Comparative Anatomy	Univ. of Montpellier
2019	To High School Students Embryo and Evolution	Univ. of Montpellier
2018	To Bachelor Students Life Cycle of Organisms – Genetics	Univ. of Montpellier

Scientific life

2019	Meeting organization Comparative Cartilage Biology meeting <u>Tasks</u> Website maintenance, abstract book management, promotion on social media	France
2017	Public workshop Evolution viewed in colors <u>Tasks</u> Design of the activities, organization, popularization	Canada

Referees

	Mélanie Debiais-Thibaud melanie.debiais-thibaud@umontpellier.fr	PhD supervisor
	Nicolas Goudemand nicolas.goudemand@ens-lyon.fr	PhD supervisor
	Richard Cloutier richard_cloutier@uqar.ca	Master's supervisor