

EDUCATION

2018 – 2024	Ph.D.	Department of Biological Sciences Université de Montréal <u>Dissertation</u> : <i>Sexual and Asexual Reproduction in the Fish <i>Chrosomus eos</i> x <i>eos-neogaeus</i>: Context, Mechanisms, and Implications</i> [in French] Advisor: Bernard Angers <i>In consideration for 2024 Best Thesis Award & Rector's Honor List</i>
2015 – 2018	B.Sc.	Department of Biological Sciences Université de Montréal Program: Biological Sciences Specialization: Biodiversity, Ecology and Evolution

APPOINTMENTS

2024 – Curr.	Postdoctoral Researcher	Department of Zoology University of British Columbia <i>Sex chromosomes and sex determination evolution in <i>Poecilia</i> species</i> Advisor: Judith Mank
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TEACHING EXPERIENCE

2020	Lecturer	Department of Biological Sciences Université de Montréal <i>Evolutionary Genetics</i> . Taught both in person and in virtual due to COVID outbreak. Produced new teaching material and examinations, and improved old material.
2018-2023	Teaching Assistant	Department of Biological Sciences Université de Montréal Multiple contracts over the years for the following courses: <i>Evolutionary Genetics, Populations Genetics, Bioethics, Adaptive Ecology</i> .

RESEARCH EXPERIENCE

2020	Collaborative Research	Department of Biology McGill University Anna L. Hargreaves' lab. Helping to collect seed predation data over summer and fall of 2020.
2019	Research Internship	Department of Biology McGill University Teruko Taketo's Lab. One month internship in cytometry and cell imaging.
2017-2018	Research Assistantship	Department of Biological Sciences Université de Montréal Bernard Angers' Lab. Two summer contracts in genetics, epigenetics, population genetics (8 months).

PUBLICATIONS

6. **Lafond J.**, Leung C. and Angers B. Asexuality shapes traits in a hybrid fish. (2024). Nature Communications, 2024(15):7642. *In consideration for Science's Editor's Choice column*
[Article](#)
5. Hargreaves A. L., Ensing J., Rahn O., Oliveira F. M. P., Burkiewicz J., **Lafond J.**, Haeussler S., Byerley-Best M. B., Lazda K., Slinn H. L., Martin E., Carlson M. L., Sformo T. L., Dawson-Glass E., Chiuffo M. C., Yalma L. Vargas-Rodriguez Y. L., Carlos I. García-Jiménez C. I., Gomes I. J. M. T., Klemet-N'Guessan S., Paolucci L., Joly S., Mehlreter K., Muñoz J., Buono C., Brodie J. F., Rodriguez-Campbell A., Veen T., Freeman B., Lee-Yaw J. A., Muñoz J. C., Paquette A., Butler J. and Suaréz E. Latitudinal gradients in seed predation persist in urbanized environments. Nature Ecology and Evolution (In press).
[Preprint](#)
4. **Lafond J.** and Angers B. (2024). Maternal ploidy shapes reproductive pathways in the triploid hybrid *Chrosomus eos* × *eos-neogaeus*. Molecular Ecology, 33(5): e17264.
[Article](#)
3. L'heureux E., **Lafond J.** and Angers B. (2023). First record of the invasive slug *Arion vulgaris* Moquin-Tandon, 1885 (*Gastropoda*, *Stylommatophora*, *Arionidae*) in Quebec (Canada). Bioinvasions Records, 12(1): 136–150.
[Article](#)
2. Monette K., Leung C., **Lafond J.**, Wittische J. and Angers B. (2020). Inferring responses to climate warming from latitudinal pattern of clonal hybridization. Ecology and Evolution, 10(1): 307-319.
[Article](#)
1. **Lafond J.**, Hénault P., Leung C. and Angers B. (2019). Unexpected Oogenic Pathways for the Triploid Fish *Chrosomus eos-neogaeus*. Journal of Heredity, 110(3): 370–377.
[Article](#)

FUNDING & FELLOWSHIPS

2023	Scholarship for completing a Ph.D. in 5 years or less Faculty of Graduate Studies	12 000\$
2020	Scholarship of Excellence Hydro-Québec	60 000\$
2018	Ph.D. Fast Track Scholarship Faculty of Graduate Studies	30 000\$
Total		102 000\$

HONORS, AWARDS AND PRIZES

2023	Dissemination of Graduate Student Knowledge Program FAECUM	500\$
2023	International Travel Fund FRQNT-GRIL	1000\$
2023	2 nd Prize at the Department's symposium (Oral presentation)	150\$
2023	QCBS Excellence Award Quebec Center for Biodiversity Science	1350\$
2022	Scholarship of Excellence Faculty of Graduate Studies	2 000\$
2021	QCBS Fund Scholarship Quebec Center for Biodiversity Science	3 372\$
2021	1 st Prize at the Department's symposium (Oral presentation)	100\$
2021	1 st Prize at the Department's symposium (Speed-Talk)	100\$

2020	Doctoral Scholarship Fédération des caisses Desjardins du Québec	1 500\$
2020	Dissemination of Research Results Faculty of Graduate Studies	1 514\$
2019	Scholarship of Excellence Étienne Magnin Foundation	5 000\$
2019	Travel Grant The American Genetic Association	200\$
2019	1 st Prize at the Department's symposium (Oral presentation)	60\$
2018 - 2022	Ichthyology Research Scholarship Joseph Arthur Paulus Foundation	3200\$
2018	Scholarship of Excellence Departmental Funding	1 500\$
Total		21 546\$

INVITED SYMPOSIUM PRESENTATIONS

2024	Evolution	Symposium on Adaptive Epigenetics	Montreal, Canada
2024	Evolution	Symposium on Hybridization and Unisexual Vertebrates (canceled due to lack of funding).	Montreal, Canada
2024	CSEE	Symposium on Sex Chromosomes Evolution	Vancouver, Canada
2023	Evolution	Symposium on Hybridization and Unisexual Vertebrates (canceled due to lack of funding).	Albuquerque, USA

CONTRIBUTED PRESENTATIONS

2024	Evolution	Poster	Montreal, Canada
2023	Evolution	Talk	Albuquerque, USA
2023	33 rd Université de Montréal Biology Symposium	Talk	Montreal, Canada
2022	Evolution	Talk	Online
2022	32 nd Université de Montréal Biology Symposium	Talk	Montreal, Canada
2022	32 nd Université de Montréal Biology Symposium	Speed-Talk	Montreal, Canada
2021	ESEB Satellite Symposium: Genomic signatures and consequences of sex and asexuality	Talk	Online
2021	Interuniversity Research Group in Limnology	Speed-Talk	Online
2021	31 st Université de Montréal Biology Symposium	Talk	Montreal, Canada
2021	31 st Université de Montréal Biology Symposium	Speed-Talk	Montreal, Canada
2019	Quebec Center for Biodiversity Science	Talk	Montreal, Canada
2019	Interuniversity Research Group in Limnology	Poster	Orford, Canada
2019	29 th Université de Montréal Biology Symposium	Talk	Montreal, Canada
2019	7th International Workshop on the Biology of Fish Gametes	Talk	Rennes, France

ACADEMIC SERVICE

2024	Grant review	Czech Science Foundation
2019	Manuscript review	Ecology of Freshwater Fishes

MENTORSHIP EXPERIENCES

2024	[Hidden], B. Sc.	Sandra A. Binning's lab	Université de Montréal, Canada
2023	[Hidden], M. Sc.	Simon Joly's lab	Université de Montréal, Canada
2022	[Hidden], M. Sc.	Simon Joly's lab	Université Aix-Marseille, France
2022	[Hidden], B. Sc.	Piero Calosi's lab	Université du Québec à Rimouski, Canada
2021	[Hidden], B. Sc.	Simon Joly's lab	Université de Montréal, Canada

2021	[Hidden], B. Sc.	Bernard Angers' lab	Université de Montréal, Canada
2019	[Hidden], B. Sc.	Bernard Angers' lab	Université de Montréal, Canada
2019	[Hidden], B. Sc.	Bernard Angers' lab	Université de Montréal, Canada
2018	[Hidden], B. Sc.	Bernard Angers' lab	Université de Montréal, Canada
2017	[Hidden], B. Sc.	Bernard Angers' lab	Université de Montréal, Canada

OUTREACH & LEADERSHIP

2022	Researchers' Night (Montreal, Botanical Garden) Animated a demo table and shared knowledge about lab and field work, the day-to-day life of scientists and science more globally.
2021	Researchers' Night (Montreal, Biodome) Engaged in small group discussions about lab and field work, the day-to-day life of scientists and science more globally.
2021	GRIL Annual Symposium Organizing Committee Giving help and direction on the creation of the <i>Gather</i> rooms for the Symposium.
2021	Department's Annual Symposium Organizing Committee Choosing the theme and guests, building the <i>Gather</i> platform, contacting potential guests and evaluators, building the website, and creating the event's poster.
2020	Departmental Research Day Organizing Committee Building the event's page on <i>Stadium (Moodle)</i> and producing the lab's graphic material for the event.

REFERENCES

Ph.D. supervisor	Dr. Bernard Angers <i>Retired</i>	bernard.angers@umontreal.ca
Postdoctoral Advisor	Prof. Judith Mank Department of Zoology University of British Columbia	judith.mank@ubc.ca (604) 822-1185
Collaborator	Prof. Sandra Ann Binning Department of Biological Sciences Université de Montréal	sandra.ann.binning@umontreal.ca (514) 343-7461