

Education

2024 – Present	PDF	Department of Zoology University of British Columbia <i>Sex chromosomes evolution in guppies</i> Advisor: Judith Mank
2018 – 2024	Ph.D.	Department of Biological Sciences Université de Montréal Dissertation: <i>Sexual and Asexual Reproduction in the Fish Chrosomus eos x eos-neogaeus: Context, Mechanisms, and Implications (Presented in French)</i> Advisor: Bernard Angers <i>Candidate for 2024 Best Thesis Award & Rector's Honor List</i>
2015 – 2018	B.Sc.	Department of Biological Sciences Université de Montréal

Publications

2024	Lafond J. and Angers, B. TBA. Accepted (with revisions) in <i>Nature Communications</i> . DOI: TBA
2024	Hargreaves A. L., Ensing J., Oliveira F., Burkiewicz J., Lafond J., [...] and Rahn O. Latitudinal gradients in predation persist in urban environments. Accepted in <i>Nature Ecology and Evolution</i> . Preprint DOI: https://doi.org/10.1101/2023.11.14.566324 DOI: TBA
2023	Lafond J. and Angers, B. Maternal ploidy shapes reproductive pathways in the triploid hybrid <i>Chrosomus eos</i> × <i>eos-neogaeus</i> . <i>Molecular Ecology</i> . DOI: https://doi.org/10.1111/MEC.17264
2022	L'heureux E., Lafond J. and Angers B. First record of the invasive slug <i>Arion vulgaris</i> Moquin-Tandon, 1885 (Gastropoda, Stylommatophora, Arionidae) in Quebec (Canada). <i>Bioinvasions Records</i> , 12(1): 136–150. DOI: doi.org/10.3391/bir.2023.12.1.12
2020	Monette K., Leung C., Lafond J., Wittische J. and Angers B. Inferring responses to climate warming from latitudinal pattern of clonal hybridization. <i>Ecology and Evolution</i> , Volume 10, Issue 1, Pages 307–319. DOI: doi.org/10.1002/ece3.5896
2019	Lafond J., Hénault P., Leung C. and Angers B. Unexpected Oogenic Pathways for the Triploid Fish <i>Chrosomus eos-neogaeus</i> . <i>Journal of Heredity</i> , Volume 110, Issue 3, Pages 370–377. DOI: doi.org/10.1093/jhered/esy072

Conferences

2024	In person	Invited Talk to Symposium	Evolution 2024: Symposium on Adaptive Epigenetics
2024	In person	Invited Talk to Symposium	Evolution 2024: Symposium on Hybridization and Unisexual Vertebrates (Cancelled – not funded).
2024	In person	Invited Talk to Symposium	CSEE 2024: Symposium on Sex Chromosomes Evolution
2023	In person	Talk	Evolution 2023
2023	In person	Talk	33 rd Université de Montréal Biology Symposium
2023	In person	Invited Talk to Symposium	Evolution 2023; Symposium on Hybridization and Unisexual Vertebrates (Cancelled – not funded).
2022	Virtual	Talk	Evolution 2022
2022	Virtual	Talk	32 nd Université de Montréal Biology Symposium
2022	Virtual	Speed-Talk	32 nd Université de Montréal Biology Symposium
2021	Virtual	Talk	ESEB Satellite Symposium: Genomic signatures and consequences of sex and asexuality
2021	Virtual	Speed-Talk	Interuniversity Research Group in Limnology
2021	Virtual	Talk	31 st Université de Montréal Biology Symposium
2021	Virtual	Speed-Talk	31 st Université de Montréal Biology Symposium
2019	In person	Talk	Quebec Center for Biodiversity Science
2019	In person	Poster	Interuniversity Research Group in Limnology
2019	In person	Talk	29 th Université de Montréal Biology Symposium
2019	In person	Talk	7th International Workshop on the Biology of Fish Gametes

Honors, Awards and Grants (PhD and up, in CAD)

2023	Dissemination of Graduate Student Knowledge Program FAECUM	500\$
2023	International Travel Fund FRQNT-GRIL	1000\$
2023	2 nd Prize at the Department's symposia (Oral presentation)	150\$
2023	CSBQ Excellence Award Quebec Center for Biodiversity Science	1350\$
2022	Scholarship for completing a PhD in 4 years of less* Faculty of Graduate Studies	12 000\$
2022	Scholarship of Excellence Faculty of Graduate Studies	2 000\$
2021	CSBQ Fund Scholarship Quebec Center for Biodiversity Science	3 372\$
2018 - 2022	Ichthyology Research Scholarship Joseph Arthur Paulus Foundation	3200\$
2018 - 2021	Direct Ph.D. Access Scholarship Faculty of Graduate Studies	30 000\$
2021	1 st Prize at the Department's symposia (Oral presentation)	100\$
2021	1 st Prize at the Department's symposia (Speed-Talk)	100\$
2020	Scholarship of Excellence** Hydro-Québec	20 000\$
2020	Doctoral Scholarship Fédération des caisses Desjardins du Québec	1 500\$
2020	Dissemination of Research Results Grant Faculty of Graduate Studies	1 514\$
2019	Scholarship of Excellence Étienne Magnin Foundation	5 000\$
2019	Travel Grant (for a Symposia) The American Genetic Association	200\$
2019	1 st Prize at the Department's symposia (Oral presentation)	60\$
2018	Scholarship of Excellence Department's Funds	1 500\$
Total		84k \$

* 5 years or less in the case of a direct transfer from Undergraduate studies to PhD.

** Should have been renewed twice (totaling 60K\$), but a change in the grant's spectrum made me ineligible after one year.

Academic Experience

2018-2023	TA (Grading)	Multiple courses over the years (Evolutionary Genetics, Populations Genetics, Bioethics, Adaptative Ecology).
2020	Lecturer	<i>Evolutionary Genetics</i> (Winter session). Taught both face-to-face and in virtual due to COVID emergence. Produced new teaching material and examinations and improved old material.
2018-2022	TA (Exams)	Exam supervision. Over 20 contracts over the years.
2019	TA (Demo)	Bioethics course, in class help and discussions guidance.

Social Mobilization, Outreach & Lab Involvement

2021 - 2023	Management of laboratory products	Includes inventory of the stocks, evaluation of the needs for the lab's experiments and purchases through our institute system. Prices and products comparison and choice.
2020 - 2023	Creation and management of the Lab's website: http://www.mapageweb.umontreal.ca/labobangers/	Includes HTML/CSS website creation, launch and maintenance.
2022	Support Our Science	Marching and chanting for higher salaries of graduate students as well as postdocs.
2022	Researchers' Night in Montreal (Botanical Garden)	Event aiming to open the sometime obscure world of scientists to people of the public. I vulgarized my research to people of all ages and knowledge. As a "demo", my role was to set up a table with many trigger objects from the lab, aiming to incite curiosity all night long. More than 700 were present!
2021	Researchers' Night in Montreal (Biodome)	Event aiming to open the sometime obscure world of scientists to people of the public. As a "one-on-one" volunteer, my role was to openly discuss about my research and the day-to-day life of a graduate student in research for a few hours. All that with members of the public of all ages, in small groups, aiming for a highly interacting discussion. More than 300 curious people were present!
2021	Seminar poster template of the <i>Institut de Recherche en Biologie Végétale</i> (Montreal)	Producing high quality template for the weekly seminars of the institute.
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 poster.
2020	Department's Research Day Organizing Committee	Building the event's page on <i>Studium</i> (Moodle) and producing the lab's graphic material for the event.
2020	Seed Predation Experiment (Collaborative Science Project)	Experiment lead by Dr. Anna L. Hargreaves (McGill University, Montreal) aiming to understand the effect of urbanization on plant herbivory. Involved taking frequent measures of seed predation in numerous habitat type from spring to fall. 360 samplings, 45h of work.
2020	Mission Monarch by Space for Life (Community Science)	Aimed to understand and monitor monarch butterflies' populations as this species is declining in North America. Involved lots of milkweed samplings to check for any life stages of the monarch butterfly.

Supervision Experiences

2017 – 2023	Primary wetlab mentor (5 undergraduate students over the years) DNA extractions; Genotyping with microsatellites and other markers; Mitochondrial origins determination; Methylation sensitive amplification analyses; Lab Safety.
2022	Primary field mentor (1 undergraduate student) Supervision of an intern for another PhD student's project on the field, since I had assisted the same student in the precedent year. Pollinators sampling; GoPro cameras setup; Flowers picturing for morphometric analysis.
2021	Secondary wetlab mentor (1 undergraduate student) General laboratory supervision; Lab Safety.

Formations, Certifications and Courses

2024	UBC	Workshop	Chemical & Biological Safety in Lab
2024	UBC	Workshop	Ethics for animal (Fish) users
2024	UBC	Workshop	Workplace trainings
2022	UdeM	Workshop	Preparation of a Grant Application
2022	UdeM	Workshop	Teaching Assistant Formation Program (Pilot)
2021	IRIC	Platform Formation	Flow Cytometry Formation
2020	UConnecticut	Workshop	Rad-Seq Analysis
2020	Publons	Workshop	Publons Academy Practical Peer Review course
2020	UdeM	Workshop	Animal Experimentation Formation (CDEA)
2020	UdeM	Workshop	Exam Supervision and plagiarism Formation
2019	McGill	Workshop	Lab Safety and Chemical Waste Disposal
2019	UdeM	Workshop	"No to Sexual Violence" Formation
2018	UdeM	Course	Scientific Communication
2018	EcoLac	Workshop	Lake environments workshop

Internships

2019	Teruko Taketo's Lab	One month internship in cytometry and cell imaging.
2017-2018	Bernard Angers' Lab	Two summer internships in various methods in (epi)genetics analyses, leading to PhD project.

Academic Service

2019	Peer Review	Ecology of Freshwater Fishes
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References

01/2024 – Present	PDF supervisor	Judith Mank	judith.mank@ubc.ca
09/2018 – 12/2023	PhD supervisor	Bernard Angers	bernard.angers@umontreal.ca
09/2018 – 12/2023	Supervisory Committee & Frequent advisor	Annie Angers	annie.angers@umontreal.ca
09/2018 – 12/2023	Frequent advisor	Sophie Breton	s.breton@umontreal.ca
Summer 2019	Internship supervisor	Teruko Taketo	teruko.taketo@mcgill.ca