

## Education

2024 – Present	Postdoctoral Research Fellow	<b>Department of Zoology   University of British Columbia</b> <i>Sex chromosomes evolution in guppies</i> Advisor: Judith Mank
2018 – 2023	Ph.D.	<b>Department of Biological Sciences   Université de Montréal</b> Dissertation: <i>Reproduction sexuée et asexuée chez le poisson Chrosomus eos x eos-neogaeus : contexte, mécanismes et implications</i> EN: <i>Sexual and Asexual Reproduction in the Fish Chrosomus eos x eos-neogaeus: Context, Mechanisms, and Implications</i> Advisor: Bernard Angers
2015 – 2018	B.Sc.	<b>Department of Biological Sciences   Université de Montréal</b>

## Publications

2024	<b>Lafond J. and Angers, B.</b> Animal traits shaped by asexuality. Submitted to <i>Nature Ecology &amp; Evolution</i> .
2024	<b>Hargreaves A. L., Ensing J., Oliveira F., Burkiewicz J., Lafond J., [...] and Rahn O.</b> Latitudinal gradients in predation persist in urban environments. Under resubmission to <i>Nature Ecology and Evolution</i> . Preprint DOI: <a href="https://doi.org/10.1101/2023.11.14.566324">https://doi.org/10.1101/2023.11.14.566324</a> DOI:
2023	<b>Lafond J. and Angers, B.</b> Maternal ploidy shapes reproductive pathways in the triploid hybrid <i>Chrosomus eos</i> × <i>eos-neogaeus</i> . <i>Molecular Ecology</i> . DOI: <a href="https://doi.org/10.1111/MEC.17264">https://doi.org/10.1111/MEC.17264</a>
2022	<b>L'heureux E., Lafond J. and Angers B.</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: <a href="https://doi.org/10.3391/bir.2023.12.1.12">doi.org/10.3391/bir.2023.12.1.12</a>
2020	<b>Monette K., Leung C., Lafond J., Wittische J. and Angers B.</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: <a href="https://doi.org/10.1002/ece3.5896">doi.org/10.1002/ece3.5896</a>
2019	<b>Lafond J., Hénault P., Leung C. and Angers B.</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: <a href="https://doi.org/10.1093/jhered/esy072">doi.org/10.1093/jhered/esy072</a>

## Conferences

2024	In person	Invited Talk	Evolution 2024: Symposium on Adaptive Epigenetics
2024	Virtual	Invited Talk	Evolution 2024: Symposium on Adaptive Epigenetics
2024	In person	Invited Talk	Evolution 2024: Symposium on Hybridization and Unisexual Vertebrates (Cancelled – no funding received).
2023	In person	Talk	Evolution 2023
2023	In person	Talk	33 <sup>rd</sup> Université de Montréal Biology Symposium
2023	In person	Invited Talk	Evolution 2023; Symposium on Hybridization and Unisexual Vertebrates (Cancelled – no funding received).
2022	Virtual	Talk	Evolution 2022
2022	Virtual	Talk	32 <sup>nd</sup> Université de Montréal Biology Symposium
2022	Virtual	Speed-Talk	32 <sup>nd</sup> 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 <sup>st</sup> Université de Montréal Biology Symposium
2021	Virtual	Speed-Talk	31 <sup>st</sup> 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 <sup>th</sup> 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 <sup>nd</sup> 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 <sup>st</sup> Prize at the Department's symposia (Oral presentation)	100\$
2021	1 <sup>st</sup> 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 <sup>st</sup> 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

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2018-2022	TA (Grading)	Multiple courses over the years (Evolutionary Genetics, Populations Genetics, Bioethics, Adaptive 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

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2021 - 2023	<b>Management of laboratory products</b>	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	<b>Creation and management of the Lab's website:</b> <a href="http://www.mapageweb.umontreal.ca/labobangers/">http://www.mapageweb.umontreal.ca/labobangers/</a>	Includes HTML/CSS website creation, launch and maintenance.
2022	<b>Support Our Science</b>	Marching and chanting for higher salaries of graduate students as well as postdocs.
2022	<b>Researchers' Night in Montreal (Botanical Garden)</b>	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	<b>Researchers' Night in Montreal (Biodome)</b>	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	<b>Seminar poster template of the <i>Institut de Recherche en Biologie Végétale</i> (Montreal)</b>	Producing high quality template for the weekly seminars of the institute.
2021	<b>GRIL Annual Symposium Organizing Committee</b>	Giving help and direction on the creation of the <i>Gather</i> rooms for the Symposium.
2021	<b>Department's Annual Symposium Organizing Committee</b>	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	<b>Department's Research Day Organizing Committee</b>	Building the event's page on <i>Studium</i> (Moodle) and producing the lab's graphic material for the event.
2020	<b>Seed Predation Experiment (Collaborative Science Project)</b>	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	<b>Mission Monarch by Space for Life (Community Science)</b>	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	<b>Primary wetlab mentor (5 undergraduate students over the years)</b> DNA extractions; Genotyping with microsatellites and other markers; Mitochondrial origins determination; Methylation sensitive amplification analyses; Lab Safety.
2022	<b>Primary field mentor (1 undergraduate student)</b> 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	<b>Secondary wetlab mentor (1 undergraduate student)</b> 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	<a href="mailto:judith.mank@ubc.ca">judith.mank@ubc.ca</a>
09/2018 – 12/2023	PhD supervisor	Bernard Angers	<a href="mailto:bernard.angers@umontreal.ca">bernard.angers@umontreal.ca</a>
09/2018 – 12/2023	Supervisory Committee & Frequent advisor	Annie Angers	<a href="mailto:annie.angers@umontreal.ca">annie.angers@umontreal.ca</a>
09/2018 – 12/2023	Frequent advisor	Sophie Breton	<a href="mailto:s.breton@umontreal.ca">s.breton@umontreal.ca</a>
Summer 2019	Internship supervisor	Teruko Taketo	<a href="mailto:teruko.taketo@mcgill.ca">teruko.taketo@mcgill.ca</a>