

Ann-Sophie Gironne

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EDUCATION

Université de Montréal

Minor in Computer Science (GPA 3.757/4.3) 2024 - 2025

Master's in Pharmaceutical Sciences (GPA 4.113/4.3) 2022 - 2024

- Research project : Identification of transposable elements induced by chemotherapy in triple-negative breast cancer
- Supervisors : Pr. Geneviève Deblois and Pr. Sébastien Lemieux (IRIC)
- Other responsibilities : Lab inventory management, placing and retrieving orders, reviewing scholarship applications

Bachelor's in Biomedical Sciences, Honors (GPA 4.164/4.3) 2019 - 2022

RESEARCH EXPERIENCE

Research assistant – Deblois lab 2024 – 2025

Institute for research in immunology and cancer (IRIC), Université de Montréal

- Performed bioinformatics analyses in six graduate-level (MSc and PhD) projects
- Responsible for lab inventory management, reviewing grants and scholarship applications
- Supervisor : Pr. Geneviève Deblois

Teaching Assistant – Immunology Fall 2022

Department of Microbiology, Infectiology and Immunology, Université de Montréal

- Delivered lab demonstrations and technical explanations
- Responsible for health and safety training

Research Intern – Deblois lab Winter 2022

Institute for research in immunology and cancer (IRIC), Université de Montréal

- Studied the role of transposable elements in chemotherapy response in triple-negative breast cancer
- Supervisor : Pr. Geneviève Deblois

Research Intern – Girard lab Summer 2021

CHU Sainte-Justine Research Centre

- Investigated the immune system's role in preeclampsia
- Supervisor : Pr. Sylvie Girard

SCIENTIFIC CONTRIBUTIONS

Publications

- › L. Porras, M. Fukano, AS. Gironne, et al. ; EZH2 Inhibition Induces an Integrated Stress Response Driving Glutamine-Dependent Vulnerability in TNBC (Manuscript submitted for peer review)
- › M. Fukano, H. Philippeau, D. Zuo, AS. Gironne, et al. ; Dynamic Regulation of Spatially Restricted Metabolic Zones in Triple-Negative Breast Cancer uncovers Therapeutic Implications (Manuscript in preparation)
- › AS. Gironne, S. Lemieux, G. Deblois; Identification des éléments transposables induits par la chimiothérapie dans les cancers du sein triple négatifs, Université de Montréal, 2024
- › AS. Gironne; Quand les gènes s'expriment, Revue Dire, Université de Montréal, 2024

Talks

Identification of transposable elements induced by chemotherapy in triple negative breast cancer

- › Graduate seminars, Faculty of Pharmacy, Université de Montréal, 2023
- › Lightning Pitch Science Communication Contest, Faculty of Pharmacy, Université de Montréal, 2023
- › Internship results, Department of Pharmacology and Physiology, Université de Montréal, 2022

Predictive value of histological analyses of placentas and fetal membranes for the neurological development of late preterm infants

- › PREMIER Student Research Symposium, Université de Montréal, 2022

Posters

Identification of transposable elements induced by chemotherapy in triple negative breast cancer

- › 11^e Journée scientifique, Institute for research in immunology and cancer, Université de Montréal, 2025
- › 12^e Rendez-vous de la recherche pharmaceutique, Faculty of Pharmacy, Université de Montréal, 2023
- › 11^e Rendez-vous de la recherche pharmaceutique, Faculty of Pharmacy, Université de Montréal 2022

Science outreach and communication

- › SciencePop : What is RNA-seq?, Institute for research in immunology and cancer, Université de Montréal, 2023
- › BistroBrain : Public presentation on chemotherapy resistance in triple negative breast cancer, Montréal, 2023
- › Biomed Talks : 4 presentations given in colleges on cancer and epigenetics, 2021-2023
- › Educational video : Fighting misinformation on COVID-19, Université de Montréal, 2021
- › Swab the World : Public talk on stem cell donation awareness, 2020

SCHOLARSHIPS AND AWARDS

› FRQS PhD's Training Award – 1st rank (100,000\$)	2025
› Francis and Geneviève Melançon Foundation Scholarship, IRIC (declined) (10,000\$)	2025
› FRQS Master's Training Award – 1st rank (40,000\$)	2023
› Centennial Scholarship, Faculty of Pharmacy, Université de Montréal (17,500\$)	2022
› Laurence Jacob-Roy Award, Biomedical Sciences (300\$)	2022
› Canada Graduate Scholarship – Master's (CGS-M), CIHR (17,500\$)	2022
› IRIC Master's Recruitment Scholarship (10,850\$)	2021
› Student Success Support Initiative Grant, Department of Pharmacology and Physiology (2,000\$)	2021
› FAÉCUM Student Engagement Scholarship (500\$)	2021
› PREMIER Research Internship Award (5,000\$)	2021
› Summer Research Scholarship, CHU Sainte-Justine (declined) (4,200\$)	2021
› Alan Short Scholarship, Mille-et-un-métiers Fund (2,000\$)	2021
› Florence Michaud Scholarship, Mille-et-un-métiers Fund (2,000\$)	2020

SKILLS AND INTERESTS

Technical skills

Programming languages : Julia, R, Python, Bash, Java, MIPS, VHDL

Bioinformatics: RNA-seq, ChIP-seq, CUT&RUN, STAR, Trimmomatic, Kallisto, Salmon, bwa, DiffBind, DESeq2, Limma-voom

Laboratory techniques : Cell culture, RNA extraction, PCR/qRT-PCR, IHC, IF

Professional interests

Genetics, epigenetics, genomics, bioinformatics

Personal interests

Plants, books, fitness, kayak

VOLUNTEERING

› Administrator, FAÉCUM, Université de Montréal	2022 – 2024
› External Affairs Coordinator, AEPUM-CS, Université de Montréal	2022 – 2024
› Member, Grants and Scholarships Allocation Committee, FAÉCUM, Université de Montréal	2021 – 2023
› Student Member, Research Committee, University Assembly, Université de Montréal	2021
› Founder, Peer Support Program in Pharmacology and Physiology (PAPPUM)	2021 – 2022
› President & Internal Affairs Directory, AÉSBUM	2021 – 2022
› Academic Affairs Directory, AÉSBUM	2019 – 2021
› Organized public conferences on suicide prevention and sexual violence	2021
› Participated in fundraising for breast cancer research (Virée Rose)	2020 – 2021