

# Joy Zhang, B.Sc.

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## Professional Summary

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Master of Biotechnology candidate with experience in oncology clinical research, breast cancer research, and marketing. Supported Phase I-III hematology-oncology clinical trials involving CAR-T therapies, bispecific antibodies, and antibody-drug conjugates while leading a retrospective study on patient burden in multiple myeloma. Co-author of a peer-reviewed publication in Stem Cell Reports with demonstrated skills in science communications. Highly skilled in leadership and project management from overseeing organizations representing 5,000+ students. Experienced in professional digital marketing and strategic content development.

## Education

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| Master of Biotechnology Biopharmaceutical Stream - <a href="#">University of Toronto</a>                  | Expected June 2028 |
| Graduate Diploma in Clinical Research - <a href="#">McGill University</a>                                 | April 2026         |
| Honours Bachelor of Science in Biochemistry, Minor East Asian Studies - <a href="#">McGill University</a> | April 2023         |

## Clinical & Research Experience

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### Clinical Trial Research Coordinator Intern, Hematology-Oncology

[Cedars Cancer Center, McGill University Health Center, Montreal, QC](#)

Jan 2026 – Apr 2026

- Led retrospective study evaluating patient burden in CAR-T and bispecific antibody clinical trials for multiple myeloma, generating insights to support study feasibility assessments and patient-centric protocol optimization.
- Supported cross-functional coordination of Phase I-III hematology-oncology clinical trials involving CAR-T therapies, bispecific antibodies, and antibody-drug conjugates in accordance with ICH-GCP, sponsor protocols, and institutional SOPs.
- Assisted with study start-up activities, regulatory documentation, and ongoing trial operations while collaborating with investigators, sponsors, CROs, and multidisciplinary clinical teams.
- Supported electronic data management using Medidata Rave and REDCap by assisting with eCRF completion, query resolution, and maintenance of accurate, audit-ready study documentation.
- Participated in sponsor monitoring visits and source data verification (SDV), contributing to inspection readiness and compliance with study requirements.
- Assisted with adverse event (AE) and serious adverse event (SAE) documentation and safety reporting activities under the supervision of the clinical research team.
- Contributed to internal quality assurance initiatives, audit preparation, and maintenance of regulatory and essential study documentation.

### Histology Research Technician

[Rosalind and Morris Goodman Cancer Institute, Montreal, QC](#)

May 2022 – Apr 2026

- Optimized laboratory workflows, reducing turnaround times from 8 weeks to under 2 weeks, increasing client demand and generating revenue that supported the successful procurement of major laboratory infrastructure, including a Leica BOND automated stainer, cryostat, tissue embedding center, and slide printer.
- Supported clinical and translational oncology research by processing cancer patient-derived tissue samples, adhering to SOPs, maintaining Good Documentation Practices (GDP), while ensuring data integrity, patient confidentiality, and regulatory compliance.
- Collaborated with researchers, clinicians, and pathologists to support breast cancer and translational oncology research through customized histology workflows aligned with study objectives.
- Prepared scientific reports, presentations, grant applications, and technical documentation to support research operations and funding initiatives to support the long-term sustainability of the institute.

### Undergraduate Researcher

[Rosalind and Morris Goodman Cancer Institute, Montreal, QC](#)

Jan 2021 – Apr 2022

- Conducted Honours research project in the laboratory of Dr. Luke McCaffrey investigating the role of tumour-associated macrophage activation and recruitment in tumour progression in breast cancer.
- Contributed to research in the laboratory of Dr. William Pastor investigating transcriptional regulation during early human development, examining the role of the GCM1 transcription factor in trophoblast differentiation and placental specification. Resulted in a peer-reviewed scientific publication in Stem Cell Reports.
- Techniques: immunostaining, cell culture, mouse tissue handling, Western blotting, RT-PCR, ChIP sequencing, and CRISPR screening.
- Performed quantitative image and experimental data analysis using ImageJ and Microsoft Excel, contributing to data interpretation, scientific reporting, and presentations.

## Marketing & Communications Experience

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### MBiotech Digital Marketing Lead

Institute of Management and Innovation, University of Toronto Mississauga, Toronto, ON

Jun 2026 – Present

- Develop digital marketing strategy for the Master of Biotechnology program across Instagram, Facebook, and LinkedIn as the program's sole digital marketing representative.
- Develop promotional campaigns and multimedia content to support student recruitment, program branding, and community engagement.
- Collaborate with faculty, administrators, and students to translate scientific and academic initiatives into engaging audience-focused communications.
- Independently manage the content calendar, monitor engagement metrics, and optimize digital marketing strategies based on performance analytics.
- Coordinate communications across multiple stakeholders to ensure consistent branding and messaging.

### Vice-President Communications

Science Undergraduate Society, Montreal, QC

May 2021 - May 2022

- Directed multi-channel communications representing 5,000+ undergraduate science students through social media, web, and email communications. Coordinated creative marketing campaigns to increase awareness, participation, and community engagement.
- Managed the Society's website and produced a weekly newsletter reaching 5,000+ subscribers to communicate organizational initiatives, student resources, and major events.
- Chaired the Public Relations Committee, leading communications campaigns, student engagement initiatives, and cross-functional collaborations with campus organizations.
- Collaborated with executive leadership and external stakeholders to ensure consistent messaging and effective promotion of Society programs and initiatives.

## Leadership Experience

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### President and Secretary General

Science Undergraduate Society & Students' Society of McGill University, Montreal, QC

May 2022 - May 2024

- Oversaw operations for 5,000+ constituents and managed teams of 200+ volunteers and 30+ employees. Chaired multiple committees and led faculty council meetings.
- Initiated and launched a for-credit [Positive Psychology](#) course to address student mental health needs, coordinating across academic and administrative departments, as well as lecturers and syllabus curation.
- Spearheaded a campus-wide food insecurity initiative through surveys and a national Food Summit, demonstrating skills in stakeholder research, data collection, and mobilization.
- Built and maintained a 300+ [Syllabus Repository](#) to enhance academic transparency; established sustainable workflows in collaboration with faculty and peers.
- Reformed financial operations to meet provincial non-profit regulations, leading town halls and training programs to support compliance and transparency.

### Emergency First Responder

McGill Student Emergency Response Team, Montreal, QC

Sep 2021 – Apr 2023

- Provided on-site medical support and patient care during emergencies on campus; developed clinical judgment and communication skills under pressure. Collaborated with paramedics, campus security, and medical teams to ensure efficient patient handoffs and continuity of care.
- Trained in CPR/AED, supplemental oxygen, and equipment such as bag-valve masks, glucometers, and pulse oximeters.
- Maintained strict documentation and patient confidentiality in alignment with clinical protocols and ethics.

### Intramural Sports Official and Supervisor

McGill Athletics and Recreation, Montreal, QC

Sep 2024 – Apr 2026

- Supporting the operations and smooth running of McGill's intramural sports programs. Responsibilities include coordinating recreational events, assisting with game and facility logistics, and ensuring a safe, engaging environment for participants.
- Officiated intramural sports to ensure adherence to rules and fair play, managed disputes, and maintained a positive and safe environment. Demonstrated strong decision-making, communication, and leadership skills in high-pressure situations.

## Publications

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Cinkornpumin JK, Kwon SY, Prandstetter AM, Maxian T, Sirois J, Goldberg J, **Zhang J**, et al. (2024). *Hypoxia and loss of GCM1 expression prevents differentiation and contact inhibition in human trophoblast stem cells*. **Stem Cell Reports**, 20(5), 102481.