

Master of Biotechnology



**Class of 2024
Student Profile Booklet
Co-op Program 2022-2023**

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DIRECTOR'S MESSAGE

Perhaps the single most significant component of the MBiotech Program, at least from the point of view of our students each year, is the Co-op Placement Program. This suite of three courses (BTC 1900Y, 1910Y & 1920Y) earns students up to three full credits towards graduation and, critically, brings them into direct contact with the workplace as a Master's student. Whilst the Program's laboratory and classroom courses play important functions during the students' first seven months with us, no campus-based activities can truly compare to the experiential learning provided "on the job" during the placements.

Over the past 20 years, MBiotech has built an enviably deep roster of sustained relationships with its many major sponsors in the industry, and continues to offer excellent opportunities to all of its students. Likewise, our sponsors are vocal about the benefits such placements bring to their operations. Many of the big players in the biopharmaceutical industry, in particular, are enthusiastic supporters of MBiotech, recognizing the unique blend of science and business skills that our co-op students can offer, and continue to post highly sought-after opportunities year in and year out.

Our goal is to give our students a firm foothold on the career ladder in biotech and biopharma, and this pledge is backed by an unbeaten track record of success for placements both in big, established Pharma, as well as in smaller biotech and health tech companies. Very many graduates leap straight into a full-time career with our sponsors, and nearly all find employment very quickly after graduation day. Conversely, MBiotech students on their co-op placements serve as ambassadors for the Program and reinforce our brand excellence, so it is critical to our future successes that our students represent your company, the University and the Program with commitment and professionalism.

Nazeem Shamsuddin, our Senior Research Associate, has a wealth of experience to help guide our students and employers through the application, interview preparation and decision-making process and will be on hand to offer advice at every stage. As with every MBiotech class, there will be hot competition, and some tough choices to make for all of our students and industry partners. I have actively encouraged all of our students to embrace these opportunities and to learn from them as they take the next steps towards their new careers; and I would like to take this opportunity to thank all of our corporate partners for their renewed support this year: You are fundamental to our success!

Dr. Leigh Revers, M.A. (Oxon), D.Phil.

Director, Master of Biotechnology

Associate Professor (Teaching Stream)

PROGRAM OUTLINE

MBiotech: Where Science Meets Business

The MBiotech Program is a 24 month, course-based professional degree program offered through the Institute for Management & Innovation at the University of Toronto Mississauga. Offering streams in both *Biopharmaceuticals* and *Digital Health Technologies*, the program incorporates both science and business courses with 8 to 12 months of work experience in industry. The carefully selected combination of courses, coupled with relevant industry experience and a strong focus on teamwork, provides our graduates with a truly interdisciplinary educational experience at a world-renowned university.

The program was launched in 2001, with the goal of developing biotechnology professionals with scientific and management skills for the biotechnology industry. The MBiotech Program is specifically tailored to meet the evolving needs of our students and those of the global biotechnology and health sciences sectors.

MBiotech and IMI: The Institute for Management and Innovation

The Institute for Management & Innovation (IMI) is the centre for management education at the University of Toronto Mississauga (UTM). This collaborative institute provides students with access to professional masters programs in biotechnology, accounting, innovation and sustainability, and undergraduate programs in accounting, finance, marketing, and human resource management. IMI is a cross-disciplinary institute producing mission-focused managers and future leaders with a combination of management skills and depth in their chosen field. IMI also provides an academic platform to foster close interactions and sharing of expertise between the faculty, staff and students in these programs, along with our community partners.

The Institute for Management and Innovation unveiled a new concentration within the Master of Biotechnology- Digital Health Technologies (DHT) in May 2019.

We are committed to:

- Working closely with industry and developing a graduate program that meets the needs of current employers
- Providing a broad background of in-depth classroom and laboratory based courses relevant to the biotech industry
- Introducing students to a wide range of biotechnology niches in the workplace
- Developing strong business and interpersonal skills in our graduate students
- Interfacing with a wide range of biotechnology and pharmaceutical companies through internships

BIOPHARMACEUTICALS STREAM

The MBiotech Program (Biopharmaceuticals stream) offers 13 graduate courses, in both science and business, over a 24-month period including:

Science Courses:

- Molecular Biology Laboratory
- Biomaterials and Protein Chemistry Concepts
- Biotechnology and Medicine
- Biotechnology & Drug Manufacturing
- Biotechnology in Agriculture & Natural Products

Business Courses:

- Effective Management Practices
- Fundamental of Managerial Concepts
- Society, Organizations and Technology
- Management of Technological Innovation

Additional MBiotech Courses:

- Biopartnering Seminar – full year required course
- Work Term I
- Work Term II
- Work Term III

MBiotech is committed to:

- Working closely with industry and developing a graduate program that meets the requirements of current employers
- Providing a broad background of in-depth classroom and laboratory based courses relevant to biotechnology
- Introducing students to a wide range of current and possible biotechnology niches in the workplace
- Developing strong business and interpersonal skills in our graduate students
- Interfacing with a wide range of biotechnology and pharmaceutical companies through internships

Training today's innovative scientists to become tomorrow's business leaders

STUDENT QUALIFICATIONS

Training today's innovative scientists to become tomorrow's business leaders.

Our interns bring with them a professional mindset, as well as a broad spectrum of learning acquired in both laboratories and the classroom. Our courses focus on topics of special relevance for today's biotechnology and biopharmaceutical industries. Our current placements largely provide experience in the biopharmaceutical, medical device, diagnostic and related industries.

Our Students' qualifications:

- Diverse graduate and undergraduate backgrounds in cell and molecular biology, human biology, chemistry, chemical engineering and more
- Highly qualified, bright, committed individuals eager to learn and make the most of their internship opportunity
- Well trained in the diverse aspects of modern biotechnology research and development
- Future team leaders with a firm understanding of organizational skills and the importance of working together to benefit your team

Our students have a professional mindset, as well as a broad spectrum of learning acquired in both laboratories and the classroom that focuses on topics of special relevance for today's biotechnology and biopharmaceutical industries. Our current placements in the biotechnology industry include pharmaceuticals, medical devices, diagnostics and biofuels. Internships are arranged on a full-time, 4-month renewal basis and can be extended for up to 12 months. Placement timing is flexible and coordinated through the calendar year, commencing every January.

This Student Profile Directory is a guide created for employers and industry partners in order to introduce you to our students. The students presented in this guide are seeking 4, 8, or 12 month work terms beginning in January, May or September of 2023. Our students have multi-disciplinary science backgrounds combined with business aptitude, excellent communication skills and teamwork abilities. The versatile nature of MBIotech students will make them valuable contributors to your organization.

Why Hire An MBIotech Student?

Track Record of Excellence

- Repeat employers and supervisors testify the value of hiring our students

Excellent Recruitment Tool

- Students are rigorously pre-screened by the MBIotech team

Proven Past Employer Satisfaction

- Our 3-year average for placement duration of interns is 12 months (two 4 month renewals are usual)

Co-ops Are Competitive

- Our salary guidelines are in the range of \$26-\$32 per hour, and as they are students no benefits packages are needed

Fringe Benefits For You

- Employers can benefit from substantial tax incentives! See the section on salary guidelines for more information

CO-OP RECRUITMENT & SCHEDULING

As part of our unique program, students take up to three consecutive work-terms with top employers across Ontario and beyond. All internships are arranged through our Senior Research Associate, where each placement is full time and a minimum of 4 months in duration. As such, co-ops can be extended/renewed up to a maximum of 12 months. Placement time is flexible and is coordinated throughout the calendar year.

Scheduling Guidelines:

In general, co-ops begin at the start of each academic term. MBIotech encourages start dates to begin in January for the first work term, though the specific date is to be set by the hiring company.

Work Term 1:
January to April

Work Term 2:
May to August

Work Term 3:
September to December

CRITERIA FOR CO-OP PLACEMENTS

Each 4-month co-op placement is classified as a required course for the MBIotech program. As such, students receive academic credit for each placement they successfully complete. Specific criteria must then be satisfied to ensure students receive appropriate credit. Please see below for a full listing of required criteria.

Co-op placements must:

- Be full-time for a minimum of four months (greater than 35 hours per week)
- Have a designated, qualified person responsible for evaluating the student's progress (please see adjacent section on 'evaluation component')
- Provide the student with in-depth exposure to the employer's organization
- Be developed and/or approved as a suitable setting for higher learning
- Be monitored by the Placement and Employer Relations Coordinator
- Completion of Employer-Student Evaluation. For each 4-month work term the direct supervisor is required to submit the MBIotech program Employer-Student Evaluation

SALARY GUIDELINES

The work terms for MBIotech students are generally paid positions, with an average salary range of \$26-\$32 per hour. As MBIotech co-ops are students, salary packages generally do not need to include extended benefit plans. Employers may be eligible for the following **tax incentive program**, in regards to hiring MBIotech students:

Cooperative Education Tax Credit

The Co-operative Education Tax Credit (CETC) is a refundable tax credit. The CETC is available to employers who hire students enrolled in a co-operative education program at an Ontario university or college. The Canada Revenue Agency (CRA) administers the program on behalf of Ontario through the federal income tax system.

The CETC is based on salaries and wages paid to a student in a co-operative education work placement. The maximum credit for each work placement is \$3,000. Most work placements are for a minimum employment period of 10 weeks up to a maximum of four months.

For full details, please visit the Ontario Ministry of Finance Website at: www.fin.gov.on.ca/en/credit/cetc.

SAMPLE CO-OP POSITION TITLES

MBIotech students, through our industry partners, have had the opportunity to work in all facets of the biotechnology sector. Each employer has the ability to structure and form their work placement(s) as it suits their needs and opportunities. The following placements act to serve only as an example of the types of opportunities previously made available through the MBIotech co-op program:

- Account Executive
- B100 MTEch Process Validation - Co-Op
- Clinical Global Study Associate
- Clinical Operations Associate
- Commercial Innovation Specialist
- Country Study Specialist
- Data Excellence Cluster
- Data Manager - Data Quality Lead
- Drug Reimbursement Analyst
- Dupixent Marketing Respiratory Intern
- Hematology Marketing Intern
- Inhaled Respiratory Marketing Intern
- iShift Key User - Co-Op
- Market Access and Pricing Intern
- Market Access Associate
- Marketing and PSS Intern, Dupixent
- Marketing Associate
- Medical Affairs Therapeutic Area Intern
- Medical Information Intern
- Oncology Diagnostics Intern
- Patient Support Services Intern
- QC Immunochemistry - Co-op
- Regulatory Affairs Associate
- Severe Respiratory Disease Intern

PROGRAM CONTACT INFORMATION

For more information on hiring an MBiotech student:

Nazeem Shamsuddin
Senior Research Associate
Master of Biotechnology
INSTITUTE FOR MANAGEMENT & INNOVATION
Innovation Complex, KN 2258
3359 Mississauga Rd | Mississauga, ON L5L 1C6 | Canada
905-569-4736 | nazeem.shamsuddin@utoronto.ca
www.mbiotech.ca



Institute for Management & Innovation
UNIVERSITY OF TORONTO
MISSISSAUGA



**Alia
Alsayed**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly motivated, goal oriented, results driven individual with the ability to quickly learn and adapt in a fast-paced work environment
- Proven problem-solving skills, research and technical skills acquired through previous research student position, written thesis and past marketing experience in a professional setting
- Extensive marketing experience achieved through several years of being a marketing specialist at different industries
- Excellent communication and collaboration skills, with proactive contributions to different academic and professional teams
- Discovery of four novel genetic variations (Novel SNPs) in the Jordanian population in drug metabolizing genes (ADME genes)
- Adaptable and resilient, such skills were honed through previous experience of event planning at professional international and national conferences
- Good graphic design skills, using Adobe Photoshop and Illustrator

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Master of Applied Biology, Jordan University of Science and Technology
- Honours Bachelor of Science, Major in Genetic Engineering and Biotechnology, Jordan University of Science and Technology

EXPERIENCE AND QUALIFICATIONS

- Marketing and Partnerships Specialist at (Multi-Health Systems Inc.), worked to develop and implement strategic marketing plans, campaigns, and tactical communication activities to support the objectives and goals of the Education division. Produce and manage a variety of events and conference presence throughout the year, from beginning to end, that include program development, creative and scenic design, event strategy, thematic development, event planning and production, general session production, script and presentation management, visual support (graphic and video elements), budget management, and all event operational logistics. Obtained and tracked key components of partnership & licensing deals including term sheets, contracts and milestones of all necessary approvals.
- Thesis research and defense, Jordan University of Science and Technology – worked to identify the source of no-call results in Affymetrix DMET Microarray and identified four novel SNPs in the Jordanian Population.

PERSONAL INTERESTS

- Self-development, CrossFit, baking, fashion and watching movies

Where science meets business.



**Dina
Arrigo**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Passionate and inquisitive individual, eager to take on challenges whilst maintaining a positive and inviting work environment that supports others.
- Demonstrated resilience and independence consistently throughout the completion of various laboratory courses, including advanced biochemistry, organic chemistry, cell biology, and microbiology.
- Open-minded with a strong sense of interpersonal and public speaking skills cultivated through academic and charitable endeavours.
- Experienced in strategic marketing and business analysis developed through case-based marketing projects.
- Strong project management skills honed through troubleshooting laboratory experiments as a member of the Ddrops COVID-19 Sanitizer Initiative.
- Certified for Good Manufacturing Practice (GMP).
- Fluent in English and Spanish.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, Major in Biomedical Sciences, Ryerson University, Class of 2022 - Dean's List (2019-2022)

EXPERIENCE AND QUALIFICATIONS

- Hand Sanitizer Production Employee, Ddrops Company - Worked with a team to formulate, manufacture, package, and deliver over 20,000 bottles of hand sanitizer. Personally delivered hand sanitizer to hospitals, long-term care facilities, retirement homes, and doctor's offices.
- Receptionist, Summer Fresh Salads - Greeted and welcomed guests to provide a positive first impression of the organization. Maintained telecommunication whilst performing administrative support for the head office and plant.
- Accounting Clerk, Summer Fresh Salads - Generated reports in Excel and PowerPoint to analyze the financial data on account payables and account receivables. Assisted managers in bookkeeping by organizing and validating a collection of invoices.
- Student Chair, Gianni Giro Charity - Collaborated with the founders to bring their vision to life. Utilized digital and offline strategies to attract new sponsors and attendees to increase awareness of the charity. Raised a total of \$300,000 in support of the Heart & Stroke Foundation and Peter Munk Cardiac Centre.

PERSONAL INTERESTS

- Travelling, Wellness, Cosmetics, Cooking, and Microbiome



**Nadine
Beganovic**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Exceptionally self-motivated individual with proven and time-tested ability to work well independently and in teams within fast paced, high pressure environments.
- Challenge-seeker prepared to take initiative in groups, and a diligent team-player with strong leadership and troubleshooting skills gained through successfully leading research projects with multiple moving parts and competing deadlines.
- Effective science communicator imparted through authored publications, conference presentations, and R&D experience working full time in the biotechnology sector.
- Exemplary interpersonal and community-building skills honed through roles as a founder of McMaster Women in Motion and the Makingit@Mac initiative.
- Recipient of The McMaster Honour Award (2017), Klaus Fritze Memorial Prize (2019), Dr. Harry Lyman Hooker Scholarship (2021), and BioTalent Canada SWPP Grant (2021).

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, with Distinction, specialization in Chemical Biology, McMaster University, Class of 2022 – Dean's Honour List (2017-2022)

EXPERIENCE AND QUALIFICATIONS

- Mass Spectrometry Analyses Intern, Sanofi Pasteur – Supported new vaccine development by qualifying and executing GMP analytical methods using LC-MS to test the identity and quantity of vaccine clinical products.
- Student Project Analyst, Tangerine Bank – Worked with business professionals to develop recommendations and implemented project initiatives to improve Client experience, banking efficiency, cost savings, and risk mitigation.
- Undergraduate Thesis Student, Moran-Mirabal Research Group – Exemplified project management and critical thinking in optimizing the fabrication of nano-roughened microstructured electrodes for point-of-care medical devices to resolve limitations of commercial enzymatic glucose biosensors. Awarded for outstanding thesis presentation in Polymer & Materials Chemistry division.
- NSERC USRA Recipient and Co-Author of Publication – Collaborated with research team on experimental design, electrochemistry data acquisition, and described findings in published research article.

PERSONAL INTERESTS

- Formula 1, rollerblading, skiing, and varsity flag football.



**Maximilian
Brant**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly motivated and dedicated team player continually seeking challenges and improvement.
- Exceptional time-management skills cultivated as a long track speed skater training in the Olympic Oval Pathway program while maintaining full-time studies and working part-time.
- Strong technical background in molecular biology research attributing to critical thinking, analytical, and problem-solving skills proven through 2+ years of research experience.
- Goal-oriented mindset demonstrated by outlining attainable goals, tracking progress at set checkpoints, and continual progress evaluation in research projects, committees, and athletic training.
- Exceptional interpersonal skills with the ability to maintain professionalism in fast-paced, high-pressure environments cultivated by working in the service industry and with vulnerable populations.
- Recipient of the Program for Undergraduate Research Experience Award (2021), NSERC Undergraduate Student Research Award (2020, 2021), and Dr. Kelly-Marie Murphy Alumni Bursary (2020).

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, First Class Honours, Cellular, Molecular, and Microbial Biology, Class of 2022, Dean's List

EXPERIENCE AND QUALIFICATIONS

- Research Associate, Ro Lab, University of Calgary - Designed and integrated synthetic guide RNA targets in yeast for efficient metabolic engineering using CRISPR/Cas9.
- Undergraduate Honours Thesis, Shemanko Lab, University of Calgary - Investigated the role of KAP1 in murine mammary gland development. Conceived and implemented novel tissue morphology quantification methods.
- Student Ambassador, College of Creativity, Design, and Innovation - Led committee meetings to bolster equity, diversity, and inclusion (EDI), student engagement, and collaboration in undergraduate research initiatives.
- Science Mentor, Peer Helper Program - Organized personalized guidance meetings with first- and second-year undergraduates to identify goals and outline pathways to reach career goals.
- Fine Dining and Cocktail Server - Expertly navigated professional and profit mindsets, regularly succeeding in sales competitions. Effectively trained new staff in best practices and developed meaningful connections with guests and coworkers.

PERSONAL INTERESTS

- Speed skating, cycling, hydroponics, community building and outreach.



**Jacob
Bresolin**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Ambitious, self-motivated individual with a dedication to science and personal growth.
- Resilience and adaptability cultivated through training and competition as a varsity rower.
- Proficient communication and leadership skills developed as a varsity team captain and peer mentor for 25+ science students.
- Adept collaborative problem-solving skills established while working within teams in science, business, and athletics.
- Extensive laboratory training and research experience with specializations in microbiology, virology, cellular expression systems, and biopharmaceuticals.
- McMaster Deans' Honour List (2018–2022).
- Recipient of Ontario University Athletics Academic Achievement (2018–2022), Life Sciences Ontario Scholarship (2021).

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Health Sciences in Biomedical Discovery & Commercialization, McMaster University, Class of 2022.
- Concurrent Certificate in Immunology, Microbiology, & Virology (IMV), McMaster University (2022).

EXPERIENCE AND QUALIFICATIONS

- Undergraduate Research Thesis, Farncombe Phage Laboratory – Independent research project investigating temperate Phage–Antibiotic Synergy in *Salmonella enterica* using P22 and gentamicin.
- Literature Review, McMaster University – Researched lysis-lysogeny decisions in temperate bacteriophages using the SOS response system and consequences of lysogenic conversion in phage therapy.
- Field Project, PocketHealth and McMaster University – Conducted market research and prepared a strategy for the implementation of a digital health solution in U.S. hospitals and enterprises.
- Research Project, BDC Engage at McMaster University – Conceptualized a neutrophil-mediated delivery of an encapsulated antiparasitic for the treatment of onchocerciasis in endemic communities and presented a pitch to industry professionals.
- Multimedia Coordinator, McMaster Science Society – Marketing team leader and graphic designer for the promotion of large events welcoming new students to McMaster University.

PERSONAL INTERESTS

- Athletics, hiking, botany, music production, graphic design.



**Daniela
Carbonari**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Positive and dedicated individual who enthusiastically seeks opportunities for personal growth and new challenges.
- Excellent work ethic and time management skills, exemplified by outstanding performance during undergraduate degree (cGPA 3.97/4.0) with simultaneous activities in extracurriculars, community involvement, and competitions.
- Strong written and verbal communication skills developed through the completion of academic projects and thesis-related reports, as well as extensive presentations to supervisors, peers, and industry professionals.
- Excellent interpersonal skills acquired through team-based assignments and interactions with clients for consulting, competition, and school-related activities.
- Proteus Innovation Business Pitch Competition, 1st place (2022).
- Bilingual proficiency in English and Spanish.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Health Science with Distinction, in Biomedical Discovery & Commercialization, McMaster University, Class of 2022, Dean's Honour list (2018 – 2022)

EXPERIENCE AND QUALIFICATIONS

- First-place winner of the 2022 Proteus Innovation Business Pitch Competition – Led a team to create a viable commercialization report and business pitch for novel antibacterial phage hydrogels, winning a first-place prize of \$5,000.
- Undergraduate Thesis Student, McMaster University – Completed an independent thesis project investigating the movement of putative long-distance signalling proteins during systemic acquired resistance in the model plant *Arabidopsis thaliana*.
- Pro Bono Consultant, University Consulting Group – Conducted in-depth market research to develop a membership acquisition strategy and implementation plan for a Canadian non-profit.
- Tutor, Pathways to Education – Met with high school students weekly in one-on-one sessions to provide mentorship and tutoring in science, math, and English.
- Video Editor, CityHousing Hamilton – Devised and created videos on wellness-related topics to support and provide companionship to isolated seniors in Hamilton.

PERSONAL INTERESTS

- Tennis, video editing, hiking, reading, community involvement, tutoring, board games



**Emily
Carvalhais**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Enthusiastic, goal-oriented, highly motivated individual who thrives in a fast-paced work environment.
- Effective time and project management skills, demonstrated by simultaneous research on three bioformulations to improve crop yield, while managing an embroidery business.
- Strong science communication skills refined by the presentation of my research in both academic and industry settings.
- Critical thinking skills developed through the completion of an honors thesis project in synthetic biology, and as a research assistant with a focus on microbiology applications in agriculture.
- Exemplary leadership and interpersonal skills, exemplified by my roles as a Mental Health Division Supervisor, President of Health Occupations Students of America Western, and Biochemistry Club VP Academic.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Medical Sciences with Distinction, Honors Specialization Biochemistry of Infection and Immunity with Science Internship Program, Western University, Class of 2022

EXPERIENCE AND QUALIFICATIONS

- A&L Biologicals Microbiology and Plant Pathology Research Intern – Conducted trials on multiple bioformulations to increase plant nutrient uptake, mitigate various stressors, and act as biocontrol agents. Ran statistics on trials and presented findings to the head of research.
- Karas Lab Undergraduate Honors Thesis – Developed an inducible conjugative plasmid for controlled DNA delivery to yeast. Learned how to perform common synthetic biology techniques such as transformations, conjugations, and yeast assemblies.
- Student Relief Team, Mental Health Division Supervisor – Founding member of student-led not-for-profit. Launched a program to provide long-term care home residents with companionship; conceptualized and launched an array of social media campaigns focused on mental health and mindfulness.
- Health Occupations Students of America Western, President – Organized conferences, alumni panels, and acquired guest speakers to introduce our 200 members to alternative careers in healthcare. Trained members to compete in a national healthcare conference.
- Biochemistry Club VP Academic – Chaired content review sessions for upper-year biochemistry courses.

PERSONAL INTERESTS

- Custom embroidery, roller skating, strength training, sewing, and board games.



**Emma
Davis**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Exceptional time management and organizational skills refined through simultaneous completion of independent and collaborative projects during Sanofi Pasteur co-op position.
- Proven critical thinking and problem-solving abilities exemplified through successful experimental troubleshooting in a variety of academic and industry research settings.
- Exemplary communication skills honed through preparing technical reports and presenting experimental data for undergraduate thesis advisors and deputy directors at Sanofi Pasteur.
- Strong leadership, teamwork, and interpersonal abilities developed through professional and academic experiences working in collaborative, interdisciplinary environments.
- Recipient of the Western Continuing Admission Scholarship (2017 – 2022), Western Scholars designation (2021 – 2022), BioTalent Canada SWPP Grant (2020 – 2021), and the Edward Barrow and Ida Hodgins Battle Scholarship (2019) for academic excellence.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science with Distinction, Honours Specialization in Integrated Science with Biology, Western University, Class of 2022, Dean's Honour List

EXPERIENCE AND QUALIFICATIONS

- Manufacturing Technology Co-op Student, Sanofi Pasteur – Conducted a feasibility assessment of process analytical technology (PAT) to detect clearance of process residuals in vaccine products. Collaborated with key stakeholders to analyze results and industrial implementation considerations to recommend PAT usage in a new cGMP manufacturing facility.
- Undergraduate Honours Thesis Project, Western University – Characterized the interaction between membrane-type 1 matrix metalloproteinase and hyaluronan receptors in MCF-7 breast cancer cells through monitoring cell proliferation, migration, and signalling.
- Science in the Community Project, Western University – Collaborated with an interdisciplinary team to create a comprehensive report highlighting the impact of nutrition on type II diabetes and conveyed findings to a general audience through blog posts on a client's website.
- Executive Assistant, Nelson Youth Centres – Developed new relationships with local businesses to obtain sponsorships for an annual charity golf tournament. Reconciled the organization's payables into an Excel report used for an audit.

PERSONAL INTERESTS

- Dance, snowboarding, travelling, reading, and personal fitness



**Mustafa Zaher
Dib**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Excellent critical thinking skills that were reinforced through the successful completion of several senior undergraduate group projects under tight time constraints.
- Outstanding public speaking ability and charisma that is demonstrated by my role as a live stream host representing the University of Waterloo to incoming students.
- Dependable leader that can clearly communicate to a team and lead them to success.
- Efficient and effective experimental design and time management, as illustrated by my undergraduate thesis project and PhD project proposal design courses.
- Adept use of bioinformatics tools such as Python, R, ChimeraX, and COOT to perform relevant data analyses.
- Proficiency in Arabic.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, Major in Biology, Specialization in Biotechnology, Minor in Bioinformatics, University of Waterloo, Class of 2022

EXPERIENCE AND QUALIFICATIONS

- Undergraduate Thesis Project, University of Waterloo – Studied the targeting mechanism that the protein YGGT-A employs to localize to the outer membrane of chloroplasts.
- Teaching Assistant, Introduction to Plant Structure and Function, Introductory Zoology Laboratory, University of Waterloo – Organized extra lectures and meetings to maximize student comprehension of key concepts and introduce them to principal laboratory techniques.
- International Live Session Host, University of Waterloo – Designed naturally-flowing scripts with my co-hosts and worked closely with the IT team and the communications team to successfully welcome incoming international students, introduce them to the international student experience, and inform them about all the resources that are available to them.
- Peer health Education, Substance Use Team Member, University of Waterloo – Organized events with my team to educate students on the safe use of alcohol, tobacco, cannabis, and other recreational drugs for the goal of reducing the potential harm the substances pose.

PERSONAL INTERESTS

- Archery, hiking, DJing, weightlifting, swimming, and playing the guitar.



**Matthew
Goldstein**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Motivated and ambitious individual that is eager to learn new skills and pursues constant improvement
- Extensive and refined laboratory skillset from working in professional and academic laboratories alongside established scientists and educators
- Highly driven, efficient, and reliable while working independently and in team environments
- A confident and proactive contributor in groups with ample experience working in athletic, academic, and professional teams
- Constantly reflects on personal performance and identifies areas for improvement to optimize the efficacy and efficiency of my work
- Experienced communicator through scientific presentations, professional meetings, and leadership roles
- Strong problem-solving capacity through my ability to think critically and be highly adaptable
- Immense passion for innovation and technology, specifically within medical and pharmaceutical disciplines

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Science Honours with Distinction, Major in Life Sciences, Specialization in Biomedical Science, Queen's University, Class of 2020, Dean's List 2016-2020

EXPERIENCE AND QUALIFICATIONS

- Clinical Research Assistant at Research Toronto: Conducted phase 2 and phase 3 clinical trials for investigational products in dermatology. Recruited participants, prepared source documents, collected and recorded data, and assisted study coordinators, principal investigators, and sponsor representatives with trial activities. Complied with sponsor protocols while prioritizing patient safety and data accuracy
- Summer intern at the Princess Margaret Cancer Research Tower (UHN): Worked independently on projects analyzing Metastatic Head and Neck Squamous Cell Carcinoma cell lines. Developed expertise with tissue culturing and biochemistry techniques, including, CRISPR/CAS9, PCR, cloning, and sorting
- Undergraduate Thesis at Queen's University: Analyzed the role of protein kinase A (PKA) in the regulation of angiogenesis using human aortic endothelial cells
- House league Commissioner at the Leaside Baseball Association: Recruited, trained, and scheduled staff members. Planned and coordinated league games and activities. Consulted stakeholders to gain insights and optimize the baseball program

PERSONAL INTERESTS

- Hockey, personal fitness, medical technology, investing, traveling, and dogs



**Siobhan
Goss**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Determined, passionate individual, who's cumulative 2 years of research experience in microbiology and biochemistry labs have imparted the ability to quickly pick up new skills and adapt to novel environments
- Propensity for public speaking developed through the presentation of an undergraduate thesis project, presentation at the opening of the McMaster Centre for Advanced Light Microscopy, and various in-class oral assignments
- Adept time management and organizational skills, acquired by balancing schoolwork, volunteering, and extracurriculars, as well as by the management of various simultaneous laboratory projects during co-op work terms
- Ontario Graduate Scholarship (2022) – awarded by the UTM Institute of Management and Innovation for academic excellence (value: \$15 000)
- Merck Frosst Graduate Scholarship in Biosciences & Biotechnology (2022) – awarded to the incoming MBiotech student with the strongest academic record (value: \$5150)

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, with distinction, in Biochemistry and Biomedical Research (Co-op), McMaster University, Class of 2022, Dean's Honour List

EXPERIENCE AND QUALIFICATIONS

- Research Student, McMaster University (2021) – worked collaboratively & independently on a variety of laboratory projects resulting in two-peer reviewed publications, including one first authorship
- Undergraduate Thesis Student, McMaster University (2020-21) – completed a formal literature review and written thesis investigating potential causes for bioenergetic failure of neurons in Huntington's disease
- R&D Laboratory Intern, Lallemand Biofuels & Distilled Spirits (2020) – conducted research on flavour profiles of commercial yeast strains for the fermentation and distillation of alcoholic beverages, resulting in the advancement of a novel strain from laboratory to pilot-scale testing
- Vice President of Donor Recruitment, Canadian Blood Services (2019-2022) – promoted interorganizational collaboration through events such as blood donation clinics, competitions, and informational booths, resulting in increased donation statistics
- Faculty of Science Representative (2019) – acted as an ambassador for the Faculty of Science during McMaster Welcome Week, orchestrating an effortless transition for incoming students

PERSONAL INTERESTS

- Gardening, cooking, baking, hiking, kayaking, reading, embroidery, yoga

Where science meets business.



**Yathavi
Jeyasankaran**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Strong biomedical science background and with over one year experience in the telemedicine industry.
- Proven written and oral science communication skills developed through mock CIHR grant presentation and research proposal seminars in undergraduate program.
- Extensive leadership and problem-solving skills with years of student leadership, mentorship and customer relationship management experience.
- Able to work well independently and in teams within fast-paced, high pressure environments while delivering high quality, well-organized work.
- Effective time and project management skills demonstrated through balancing undergraduate studies, part-time associate job, and student group involvement while meeting deadlines and maintaining Dean's Honours List status.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, Major in Biomedical Sciences, Ryerson University, Class of 2021 – Dean's Honours List.

EXPERIENCE AND QUALIFICATIONS

- Clinical Operations Associate at Telus Health MyCare - Worked alongside physicians and patients to best facilitate virtual healthcare support. Used workflow management platforms and CRM software to efficiently deliver healthcare services. Managed post-consultation care for patients by liaising with pharmacies and hospitals.
- Vice President of Operations at the Association of Undergraduate Women in Science (AUWS) - Maintained internal organization and communication with executives by hosting weekly meetings and assisting in event planning.
- Tutor at Inspiring Minds Learning Centre - Provided tailored lessons in science, math, and English to elementary and high school students. Facilitated monthly check-in meetings to identify individual goals and developed plans to achieve academic success.
- Co-op Student at Etobicoke General Hospital - Directly interacted with patients, families and healthcare team and addressed questions or concerns. Assisted in patient admission and discharge. Supported hospital's operations by managing specimen or medications, sorting confidential patient documents, and maintaining inventory levels.

PERSONAL INTERESTS

- Travelling, cycling, hiking, music.



**Iraj
Kamran**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Excellent leadership skills exemplified through managing employees, training colleagues in new technology, and co-creation of a fundraising committee.
- Exceptional oral and written communication skills demonstrated by the writing of multiple internal company reports, conference manuscripts and abstracts, scientific presentations addressed to colleagues, direct managers, and members of senior management.
- Goal-oriented, dedicated, and highly motivated individual accustomed to a fast-paced and dynamic work environment, with experience in comparative market analysis of therapeutics.
- Highly adaptable with strong innovative problem-solving and critical thinking skills cultivated by troubleshooting in wet-lab and dry-lab environments, in academia and industry.
- Employed strong collaboration and project management skills to raise \$10,000 during a month long fundraising initiative, ultimately providing water to water scarce communities internationally.
- Superior time-management and organizational skills developed through balancing coursework, research and volunteer commitments, and part-time work while maintaining Dean's Honour List status.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, with distinction, in Biochemistry and Biomedical Research (Co-op), McMaster University, Class of 2022; Dean's Honour List (2017-2022)

EXPERIENCE AND QUALIFICATIONS

- Research Coordinator, Healthcare Systems R&A Inc. - Developed and supervised a team of six individuals to successfully complete efficacy data collection and analysis, and report writing for therapeutics. Gained extensive knowledge of Health Canada regulations and approval processes relating to medical devices and Natural Product Licensing.
- Research Assistant, Eversana Life Science Services LLC - Demonstrated superior leadership and communication skills by working within a team to write three systematic literature reviews, six article summaries, and final reports for various therapeutics to be submitted to professional associations and clients.
- Undergraduate Thesis, McMaster University - Supported research to assess the role of the gut microbiota and probiotic supplementation on pregnancy, fetal health and the development of gestational diabetes.
- Assistant Manager, Dairy Queen - Aided in optimizing company profit by controlling product & labor costs.

PERSONAL INTERESTS

- Organizing fundraisers, clothing drives, and food drives for various non-profit organizations
- Swimming, hiking, reading, food tours, and traveling



**Anna
Katyukhina**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Exemplary communication and teamwork skills acquired through leading group projects, such as project pitches, presentations and research work
- Demonstrates strong, interdisciplinary academic record through a combination of science, drug development and business courses with a focus on commercialization skills including marketing, scientific communication, patents, and market access
- Exceptional leadership and project management skills exhibited through extensive involvement in McMaster extracurricular activities
- Innovative thinking mindset developed as a market research and sales intern for a biotechnology start-up
- Excellent critical thinking and problem-solving skills honed through two years of pro-bono consulting with various national non-profits
- Shehacks Top 20 (2021), Life Science Ontario Scholarship (2020), McMaster Honor Award (2018)

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honors Bachelor of Health Science in Biomedical Discovery and Commercialization, Summa Cum Laude, McMaster University, Class of 2022; Dean's Honors List (2018–2022)

EXPERIENCE AND QUALIFICATIONS

- BDC Engage Conference, McMaster University - Designed and commercialized a novel point-of-care diagnostic tool for pancreatic ductal adenocarcinoma utilizing unique urine biomarkers for early detection and presented to industry professionals
- IIDR Trainee Day 2021, McMaster Institute for Infectious Disease - Presented results from a summer research project involving the development of a scalable screening assay to identify antibiotic degrading enzymes in over 250+ environmental strains
- Undergraduate Thesis Student, Wright laboratory - Completed formal literature review and research project investigating the effects of mass antibiotic distribution on the gut microbiome
- Team lead, University Consulting Group - Led team of student consultants through various projects with non-profits and developed marketing, financial and operational plans for business expansion and innovation
- President, McMaster Women in STEM - Oversaw daily club activities and guided executives in achieving long-term initiatives; founded mentorship program to support the seamless transition of female-identifying individuals in the STEM programs

PERSONAL INTERESTS

- Reading, swimming, traveling, and baking



**Pooja
Kesh**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Self-driven, goal-oriented and personable individual with a passion for challenging oneself and motivating others to achieve overall excellence
- Strong written and verbal communication skills developed through scientific journal analysis, scientific manuscript writing and delivery of presentations of research work
- Well-developed project management and project coordination skills acquired through team-based capstone project and interdepartmental research work as a research assistant
- Effective critical analysis and problem-solving skills demonstrated through various scientific experiments in different research labs
- Excellent interpersonal and collaboration skills, including diplomacy to negotiate conflicting priorities demonstrated through front-line service work
- Proficient in data analysis, interpretation and summarization of experimental data using Excel, R, SPSS for presentation and scientific reporting purposes

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Advanced Diploma in Biotechnology, Centennial College, Class of 2022
- Honours Bachelor of Science, Specialization in Neuroscience, Minor in Biology, University of Toronto, Class of 2019

EXPERIENCE AND QUALIFICATIONS

- Research Assistant, EaRTH District-Centennial College - Investigated *H. salinarum* growth conditions for optimal voltage output and cell adhesive properties for environmental monitoring applications
- Research Assistant, Centennial College - Determined the emollient and preservative activity of lactic-acid bacteria branched chain fatty acids in cosmetics
- Capstone project, Centennial College - Quantitatively evaluated the UV-LED efficacy in disinfection of non-porous material swatches inoculated with MS2 phage
- Research project, University of Toronto - Differential effects of two different dosing regimens of d-Amphetamine on various behavioral indices of cognition in rats
- Administrative Officer, UN Sustainable Development Goals club, Centennial College - Organized and coordinated with partner institutions to host Global Goals Jam for young entrepreneurs and innovators to design impactful solutions for social challenges of the world

PERSONAL INTERESTS

- Gardening, Travelling, Photography, Languages, Personal fitness, Martial arts



**Milad
Khedri**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Versatile, flexible, devoted team player that consistently strives for excellence
- Demonstrates a strong, interdisciplinary academic record, spanning organic chemistry, pharmacology, microbiology, immunology, and computer science
- Awardee for the Tomlinson Engagement Award for Mentoring (TEAM), a financial award for exceptional performance and engagement in a molecular biology lab at McGill University
- Ranked top four in the 2022 McGill University “PharmaHacks” pharmacology hackathon event, which consisted of over fifty teams
- Proficiency in Microsoft Suite, as well as data analysis with SQL and Tableau Prep
- Public speaking, critical thinking, project managing, and analytical skills developed over several team-oriented projects throughout undergraduate academia
- Adopts an optimistic attitude in the workplace and is often described as enthusiastic and approachable
- Native proficiency in English and Persian, with intermediate proficiency in French

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Science, Pharmacology, Minor Biotechnology, McGill University, Class of 2022

EXPERIENCE AND QUALIFICATIONS

- Full-year data scientist research position at the McGill Center for the Convergence of Health and Economics (MCCHE) – successfully performed data extraction and cleaning from large datasets on SQL and Excel on Tableau Prep to contribute to a project that aimed to link transactional data from multiple retailing franchises to the Food Labeling Information Project (FLIP)
- Four-month mentoring and teaching experience as a teaching assistant for undergraduate students in a molecular biology lab at McGill University as part of the responsibilities of being a TEAM awardee
- Researcher in a six-month long case competition research project that consisted of analyzing clinical data, utilizing bioinformatics resources such as NCBI BLAST and PyMOL, and developed investigative, problem solving, and critical thinking skills
- Extensive experience in molecular biology, physiology, and organic chemistry labs, enabling exposure to laboratory procedures such as PCR, Western Blot, ELISA, SDS-PAGE, EEG and ECG waves, and more

PERSONAL INTERESTS

- Soccer, theater performances, history, geography, video games, cooking



**Gostina
Labib**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- A proven ability to work collaboratively in various team settings professionally and academically through MBiotech team-based projects
- Excellent time management and multitasking skills developed through balancing academic responsibilities, work duties, and volunteer activities while maintaining excellent academic standing (GPA 3.94/4)
- Excellent scientific and medical communication skills developed by coordinating various health promotion and prevention programs
- Strong ability to adapt to different work environments outside the field of expertise due to various work and extracurricular activities
- Creative problem-solving and critical thinking skills developed through extensive high-pressure volunteer experiences in Canada and overseas
- Scholarships and Awards: University of Toronto Mississauga Entrance scholarship, The city of Mississauga Pope John Paul scholarship, UTM Department of Chemical & Physical sciences undergraduate honour roll

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science with High Distinction, Double major in Biology and Chemistry, University of Toronto, Class of 2020; Dean's Honour list (2017-2020)

EXPERIENCE AND QUALIFICATIONS

- Pharmacy Assistant, Thomas IDA pharmacy- Effectively maintained a complete record of patients' information and prescriptions while liaising with their healthcare providers. Monitored pharmaceutical supplies and placed orders for stock to maintain weekly inventories.
- Medical Office Administrator, Life Care Addiction Clinic- Provided procedure instructions for patients on various substance use disorder assessments and screenings. Effectively communicated with laboratories, healthcare providers and insurance companies to maintain a positive clinical environment.
- Advertising & Customer Support Representative, Woodchester IDA Pharmacy- Assisted in the coordination and delivery of multiple health promotion and prevention programs, such as smoking cessation, travel health, and health nutrition education through written and oral communication methods.
- Camp Educator & Counsellor, Children for Christ Camp- Worked collaboratively with other educators to design an educational and recreational program that suits different age groups.

PERSONAL INTERESTS

- Community outreach, volunteering abroad, travelling, cooking, investing, and tutoring
- Nanomedicine in cancer therapy



**Hannah
Li**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Dedicated individual with a strong background in microbiology and immunology and deep interest in pharmaceutical sciences
- Clinical experience in the fertility industry with key role in patient care, demonstrating utmost professionalism and maintaining premier patient experience
- Critical thinking and problem solving abilities refined through wide breadth of undergraduate courses, independent learning, and extensive group work
- Superior communication and presentation skills, cultivated through extensive presentations to peers, patients, doctors, and other health professionals, including the Ontario Ministry of Health
- Excellent leadership and adaptability demonstrated through serving as sorority president during COVID-19 pandemic
- Scientific research, communication, and lab skills honed throughout undergraduate studies

EDUCATION

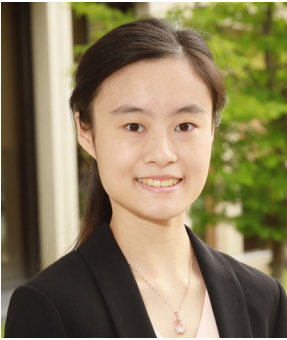
- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Medical Sciences, Honours Specialization in Interdisciplinary Medical Sciences, Western University, Class of 2021

EXPERIENCE AND QUALIFICATIONS

- Third Party Coordinator, Tripod Fertility - Patient-facing role organizing donor and surrogacy cycles per Health Canada regulations; participated in various budgetary meetings and developed relations with agencies and fertility specialists
- Marketing and Operations Specialist, Bow River Hearing - Improved patient experience and fostered sense of community through outreach initiatives and appreciation events, while strengthening social media presence through various marketing campaigns
- Research Assistant, Hoffman Lab - Performed immunohistochemistry experiments to examine CCN1 and e-selectin expression in DMD mice and assisted with data analysis and report writing
- Chapter President, Pi Beta Phi - In an organization of 95+ women, led an executive team of 21 Vice Presidents and Directors with a budget of over \$60,000, while maintaining morale during the height of the COVID-19 pandemic

PERSONAL INTERESTS

- Snowboarding, hiking, piano, travelling, biking, reading



**Laura (Tian)
Li**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly motivated, reliable, and passionate team player who is always open to new challenges and learning opportunities
- Exceptional ability to adapt and excel in new environments and global mindset cultivated from experiences living and studying in 4 countries
- Strong background in neuroscience and laboratory research with proven problem-solving and analytical skills
- Excellent time-management and organizational skills demonstrated through balancing undergraduate coursework, research, volunteer commitments, and extracurricular activities
- Outstanding verbal and written communication skills acquired through delivering oral presentations and writing and revising peer-reviewed journal publications

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, Cum Laude, Major in Neuroscience, Minor in Ballet, University of Washington (U.S.A), Class of 2020, Dean's Honours List (2016-2020)

EXPERIENCE AND QUALIFICATIONS

- Research Assistant, McGovern Institute for Brain Research – collaborated with a group of researchers to study lineage progression of radial glial progenitor cells and neuronal circuit formation in the developing mammalian neocortex
- Undergraduate Honours Thesis Student, University of Washington – Led a research project to investigate the molecular basis of synaptic plasticity and the trafficking of NMDA receptors through Wnt/Calcium signaling cascade in mature mammalian central nervous systems
- Peer Tutor-Mentor, University of Washington Academic Support Programme – provided peer mentorship and academic assistance to a course/major-matched student experiencing academic difficulties at the University of Washington
- Doctor's Assistant, Anshan Maternal and Childcare Centre – assisted doctors in performing physical health examinations on young children and entering patient information into digital health record system

PERSONAL INTERESTS

- Ballet, fashion and sewing, painting, ultimate frisbee, travelling



**Emily
Lu**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Self-motivated individual who can effectively adapt to new environments and excel in independent and group-based work
- Quick learner with exceptional written and verbal communication skills, demonstrated through co-authored scientific publications and a poster presentation at the 102nd Canadian Chemistry Conference and Exhibition
- Strong background in research and development with over 2 years of wet lab experience, attributing to highly developed analytical skills
- Proven organizational and project management skills acquired through the completion of an undergraduate thesis and team-based projects
- Graduated summa cum laude (2021), awarded the University Senate Scholarship (2020), recipient of the NSERC Undergraduate Student Research Award (2019), and Dean's Honour List (2016–2021)

EDUCATION

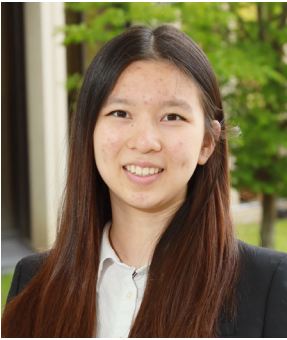
- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science with High Distinction, Chemical Biology Co-op, McMaster University, Class of 2021

EXPERIENCE AND QUALIFICATIONS

- QC/QA Laboratory Technician, CCIC Agri-Food Testing – Designated departmental representative for maintaining supplier relationships to purchase chemicals, standards, and equipment. Composed standard operating procedures for laboratory protocols.
- QC Laboratory Technician, Gum Products International Inc. – Performed detailed chemical and physical analyses of antimicrobial vinegar samples to ensure strict specifications were met. Coordinated with the microbiology department to complete year-long studies on bacterial inhibition.
- Laboratory Teaching Assistant, McMaster University – Supervised first-year laboratory sessions by demonstrating lab techniques and explaining relevant background knowledge. Evaluated students through weekly lab reports and provided critical feedback.
- Research Assistant, McMaster University – Performed chemical experiments and analyzed data for an LED company to develop new thermally-stable encapsulants. Conducted research on phenyl-rich silicones to present at a national conference and publish in several journals.

PERSONAL INTERESTS

- Volleyball, cycling, snowboarding, listening to podcasts, and baking



**Betsy
Luo**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Enthusiastic about driving innovation in the pharmaceutical and healthcare space through engaging in academic and industry experiences to learn about preclinical development, clinical trials, sales and marketing, and patent development
- Self driven and resilient to challenges with a positive attitude to support a diverse work environment
- Proficient communication and interpersonal skills developed through work experience in various of leadership projects and entrepreneurial endeavors
- Developed verbal and written scientific communication techniques through undergraduate research thesis, community projects, and collaborating with industry professionals in medical device startups
- Strong technical foundation with applied creative problem-solving approaches to meet company goals
- Detail oriented approach developed through a multitude of event management and academic projects
- Rising Youth grant recipient (2019, 2020) used to develop two independent projects

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor's of Health Sciences, with Distinction in Biomedical Discovery & Commercialization (BDC), McMaster University, Dean's Honors List

EXPERIENCE AND QUALIFICATIONS

- Honours Thesis Project, Hamilton Centre for Kidney Research, McMaster University – Investigated drug candidates to inhibit the IRE1 protein in collaboration with the company Atomwise Inc.
- Health Care Coordinator, Graydon Hall Capital Corp. – Established health care support networking for an aging community housing 888 families by collaborating with RCM Health Consultancy Inc.
- Teaching Assistant, Foundations of Business, McMaster University – Led tutorial sessions with 40+ students to introduce course concepts through demonstrations.
- Business Development Intern, LINGGO Inc. – Strategized an outreach plan to align with company goals leading to implementation of a pilot aphasia therapy program in partnership with Evergreen Communication Training and expansion in the United States medical device market.
- Science in AI Coordinator, Mac AI – Organized opportunities for students in the Faculty of Science with Dr. Becker's neurotechnology and neuroplasticity lab to work on an AI project using NLP to study the use of passive and active voice and how it is perceived.

PERSONAL INTERESTS

- Wedding and automotive photography, violin, personal fitness, finance



**Kevin
Mahzoon**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Fluent in French, English and Farsi.
- Ambitious and driven for project innovation and development
- Adaptable to change in priorities within high pressure environments and maintain positive work flow.
- Project management experience refined through leadership positions in academia.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- HBSc Biochemistry, University of Windsor

EXPERIENCE AND QUALIFICATIONS

- Polymer Sensor Research Assistant, e-Minds Lab for Electrical Engineering - Through leading research undergraduates to investigate methodologies of polymer deposition of chemicapacitive greenhouse sensors. Strategized Nyquist plot models for the team to conduct impedance measurements optimized on the bases of sensor configuration. Managed and regulated SOP's to aid the team in experimentation of alternative polymers through gas profile parameter modifications which hedged against possible project roadblocks.
- Starbucks Barista - By exposing myself through a high pressure, high paced environment through clerkship and janitorial roles, I was able to develop teamworkship, leadership, and time management skills to aid in retaining customers and maintaining customer satisfaction through provided services.
- ESPN Brand Ambassador & Technical Support Specialist (TSS) - Maintained positive relationship with ESPN and ESPN + members, helped in commercialization and branding of the fantasy football app, application of the AIDA model to increase ESPN+ subscribers, and provide a positive image of the ESPN brand
- Senior Representative of student Persian association - connect undergraduate Persian Canadian students to be recognized in the University of Windsor and share diversity and culture to other students on campus - Hosted events and grew the community from 15 members to over 150 members.

PERSONAL INTERESTS

- Piano, Teaching, Cooking, Coddng, Animal Shelter.



**Emily
Mathers**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Demonstrated a rapid ability to adapt and persevere through challenges whilst maintaining academic excellence and ultimately cultivate a drive for success.
- Open-mindedness and diligence demonstrated by working on a variety of research projects at Toronto hospitals involving different aspects of neuroscience, both molecular and cognitive.
- Motivated to excel interpersonally, shown through a passion for leadership and teamwork as an active member of the Pharmacology & Toxicology student community during undergraduate studies.
- Skilled at problem-solving, project management and large-scale data analysis having completed a 12-month regulatory affairs internship at Procter & Gamble and a final-year thesis co-authorship in Psychoneuroendocrinology. Publication: <https://doi.org/10.1016/j.psyneuen.2021.105448>
- Recipient of the 2022 Undergraduate Student Leadership Award, Temerty Faculty of Medicine, University of Toronto. My leadership statement: <https://glse.utoronto.ca/emily-mathers-pharmacology-and-toxicology>

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream – University of Toronto, Class of 2024
- Honours Bachelor of Science with High Distinction, Pharmacology Specialist – University of Toronto, Class of 2022

EXPERIENCE AND QUALIFICATIONS

- Regulatory Affairs Intern, Procter & Gamble (P&G) – Conducted a thorough review of product and chemical volume imports to improve Canadian Environmental Protection Act (CEPA) compliance. Regularly completed cosmetic notifications and drug submissions.
- Practicum Student, Sunnybrook Hospital – Researched literature, reviewed over 200 full-text screenings and extracted data regarding BDNF, inflammation, diabetes, and depression.
- Practicum Student, Centre for Addiction and Mental Health (CAMH) – Conducted patient screenings for smoking cessation and researched dopamine activity measured with fMRI and PET technology.
- Co-President, Pharmacology & Toxicology Student Association, University of Toronto – Effectively worked with the executive team to increase student engagement across the department of 200 students and ensure all events ran smoothly.
- Editor-In-Chief, PharmaChronicle Magazine, University of Toronto – Informed guidelines and deadlines to ensure editions were published successfully. Directly supported all executive team members, including writers, editors, artists, and potential sponsors for a high-quality publication every semester.

PERSONAL INTERESTS

- Horseback riding, volunteering, gardening, consulting, video games, and travelling

Where science meets business.



**Alysha
Merali**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Over 2.5 years of experience in the Biopharmaceutical industry including involvement as a key member of the business development team in the oncolytic virus space
- Extensive knowledge and experience with performing competitive intelligence, preparing, and presenting analysis to various management levels aiding with company strategy
- Exceptional communication skills with the ability to present complex scientific concepts to a variety of audiences, as well as a keen eye for detail honed through preparing and presenting company pitches at global conferences
- Excellent interpersonal skills with the ability to build and maintain strong working relationships with individuals, developed through various team projects, managing vendor relations and work in the start-up biotechnology industry
- Proven track record of strong work ethic, responsibility, time management, critical thinking and project management demonstrated through industry experience and teamwork in fast-paced, high-stress environments

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- HBSc. Biotechnology and Economics, University of Waterloo, Class of 2019 – Dean's Honours List

EXPERIENCE AND QUALIFICATIONS

- Senior Associate, Business Development, Virogin Biotech – Performed competitive and technological analysis, presented findings to the team; managed external database vendor relations; presented company pitches externally at global partnering conferences
- Associate, Business Development, Virogin Biotech – Managed communications and organized meetings with the Scientific Advisory Board, kept up to date with industry news and relayed information to senior management assisting with company strategic planning
- Intern, Dealer Network Development, Nissan Canada Inc – Created a central database with interactive dashboard in MS Excel for departmental use; set up and migrated reports to Tableau, created workflow documents in Visio, ran market reviews for each Canadian Nissan and Infiniti dealer using a geo-science software, created market access graphs for dealers
- Teaching Assistant, Molecular Biotechnology, University of Waterloo – Instructed course tutorial section of 40 students, answered student questions and assisted with grading

PERSONAL INTERESTS

- Baking, Running, Hiking, Field Hockey, Reading, Travel



**Mutaz
Mohamed**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Experienced in both patient- and customer-facing settings proven through multiple successful positions as a sales associate and a medical receptionist
- Outstanding presentation skills perfected through experience disseminating complex information to a wide variety of audiences throughout academic career
- Exceptional time-management and organization skills gained through working in fast-paced environments while balancing work with academic life
- Excellent communication and interpersonal skills honed through various collaborative roles, most notably during my time at STEM Fellowship and multiple retail positions
- Personable individual with a strong growth mindset, adaptable to a variety of working conditions, and always motivated to put forth best work possible

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science with High Distinction, Molecular Biology, University of Toronto, Class of 2022, Dean's List (2018-2022)

EXPERIENCE AND QUALIFICATIONS

- Sales Associate, Urban Outfitters and Sport Chek – Maintained visual standards in coordination with different store departments to ensure an exceptional customer service experience. Educated customers about products/services and resolved complaints while demonstrating awareness and adherence to loss prevention, safety, and company policies/procedures to achieve sales goals.
- Medical Receptionist, Square One Medical – Effectively communicated with patients, pharmacists, and physicians to ensure streamlined clinic operation. Multitasked various administrative duties, including organizing patient schedules.
- Vice President of Events at the Health, Law, and Business Association UTM – Successfully designed detailed itineraries for club initiatives focused on the interactive fields of healthcare, law, and business. Outreached to guest speakers and collaborated with other university-affiliated clubs for events.
- Courses Coordinator, STEM Fellowship (Non-profit) – Worked alongside a team developing 3-4 free courses per year aimed towards secondary students to garner youth interest in STEM disciplines. Recruited graduate students to instruct courses, and marketed courses through multiple outlets.

PERSONAL INTERESTS

- Snowboarding, floral design, boxing, personal fitness



**Jessica
Moreira**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly proficient in leading and managing 5+ projects simultaneously involving teams of 100+ individuals, while remaining flexible to unanticipated challenges and employing creative problem-solving skills to quickly refocus efforts and meet deadlines.
- Articulate scientific communicator, acquired through authored research abstracts, conferences, publications, and pitching a novel innovative vaccine for Ascariasis to 100+ biopharmaceutical industry professionals.
- Passionately teaches and tutors students in the biomedical sciences, mentors' 10+ students from across Canada and internationally, and continuously seeks novel learning experiences.
- Successfully initiated and collaborated with a digital health technology start-up company to develop a commercialization strategy for entering the United States diagnostic imaging market.
- Fluent in English, French and Polish.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Health Sciences (Dean's Honour List), Biomedical Discovery and Commercialization, McMaster University, Class of 2022, Minor in Biology.

EXPERIENCE AND QUALIFICATIONS

- Research Assistant, Department of Obstetrics and Gynecology, McMaster University (2021-Present): Exploring links between elevated selenium levels and non-alcoholic fatty liver diseases by independently and collaboratively performing and analysing 20+ experiments.
- Medical First Responder, St. John Ambulance (2019-Present): Leading teams providing timely advanced medical aid to patients including children, adults and seniors at small (50 people) - large (40,000+ people) community events.
- Student Co-Leader, IMPACT Initiative, McMaster University (2018-Present): Facilitates the design process of medical devices for individuals with disabilities by collaborating with engineers, medical doctors, physical/occupational therapists, and scientists.
- Teaching Assistant, Cellular and Molecular Biology, McMaster University (2021-2022): Taught hands-on laboratory techniques to ~20 students, while cultivating their biological research interests.
- Research Lead, Affiliate Marketing Specialist, Chief Operating Officer, lleTTonna (2020-2021): Optimized the development of MomsOverMatter, a free web app that has supported 50,000+ new moms through the postpartum period using Cognitive Behavioural Therapy exercises.

PERSONAL INTERESTS

- Playing various sports, hiking, cooking, baking, and travelling.



**Ronil
Patel**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly motivated, with a passion for the field of biotechnology and a keen interest in continuous learning.
- Excellent verbal and written communication skills acquired through presenting at conferences, writing scientific reports, and authoring a peer-reviewed publication (<https://doi.org/10.14288/ujemi.v6i.193187>).
- Experienced in project management, having led projects to address consumer concerns, improve manufacturing practices, and validate new products.
- Managed a portfolio of research projects with competing deadlines and priorities while ensuring high quality results and upholding good manufacturing processes.
- Strong technical and problem-solving skills developed from 4 years of academic research experience and further proven in fast-paced workplace environments.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Science with Distinction, Microbiology & Immunology, University of British Columbia, Class of 2021

EXPERIENCE AND QUALIFICATIONS

- Product Development Assistant, Response Biomedical Corporation – Developed acute diagnostic platforms for cardiovascular and infectious diseases. Conducted investigations to determine root causes of product performance issues, to support product validation, and to maintain quality control processes. Utilized inventory tracking and quality management software.
- NSERC Research Assistant, Hirst Lab, Michael Smith Laboratory – Investigated efficacy and toxicity of compounds developed for leukemia treatment.
- Research Assistant, Tetzlaff Lab, ICORD – Studied the potential of metabolic supplements in spinal cord injury therapy in live models.
- Undergraduate Thesis, University of British Columbia – Performed research on the effects of combined antiretroviral therapy on human embryonic stem cells.
- VP of Communications, UBC Microbiology and Immunology Students Association – Organized marketing campaigns and merchandizing for student mentorship, social, and networking events with strong turnout despite COVID limitations.

PERSONAL INTERESTS

- Volleyball, backcountry hiking, puzzles and board games, science fiction, graphic design



**Vandana
Ratnam**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- 4 years of experience working in the financial and pharmaceutical industries, fostering a strong understanding of processes, procedures, auditing, and reporting.
- Participated in a successful virtual CCAC (Canadian Council on Animal Care) audit.
- Strong project management experience in multi-departmental initiatives acquired during internships with Scotiabank and Sanofi Pasteur.
- Communication skills cultivated through working on projects with teams across multiple geographies.
- Created and updated documentation to adhere to industry standards of manufacturing through work with change management, SOPs (Standard Operating Procedures), and research protocols.
- Analytical and problem-solving skills gained through work with IT data centers and quality control laboratory testing data.
- Recipient of Scotiabank Scholarship (2017 – 2022), BioTalent Canada SWPP Grant (2020 – 2021), Western Scholarship of Distinction (2017).

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Medical Sciences, Honours Specialization Biochemistry of Infection and Immunity, Western University, Class of 2022, Dean's Honour List

EXPERIENCE AND QUALIFICATIONS

- Quality Control BioResources Co-op, Sanofi Pasteur Ltd. – Maintained laboratory records and leveraged electronic laboratory management systems to compile, trend, and present data to upper management. Assisted with special issue investigations for deviations and planned remediations.
- Cyber and Forensic Analyst Co-op Scotiabank – Organized and presented data for use in past and ongoing investigations. Documented and updated historical forensic data.
- Information Security Analyst Co-op, Scotiabank – Project management for large and technologically complex information security projects, working with senior management teams for resource coordination and planning.
- Undergraduate Honours Thesis, Ling Lab, Western University – Designed functional ubiquitin assays to investigate molecular and structural functions of DNA damage pathway proteins and their interactions.
- Teaching Assistant, Spirit of Math Schools – Educated students in high-level mathematical concepts through engaging lessons, resulting in marked improvement of class averages.

PERSONAL INTERESTS

- Reading, playing guitar, travelling, karate, and baking



**Linda
Ros-choi**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Over 3 years of experience in pharmaceutical research and development for vaccines at Sanofi Pasteur.
- Excels in project management, and team and leadership environments, exemplified by planning timelines, working in teams, and delegating responsibilities in 10+ projects to produce vaccine antigens.
- Effective problem-solving skills and driven attitude from troubleshooting and optimizing downstream purification and analytical method protocols, resulting in the publication of 20+ SOP's and method development reports.
- Dynamic and innovative, demonstrated by introducing a logistical system for managing inventory, resulting in cost reduction and increased data accuracy, and automated technologies in laboratories, reducing experiment time by 10-fold.
- Adaptive and quick learner from implementing novel clinical information system at a hospital.
- Exceptional communication and interpersonal skills exemplified by successful coordination with healthcare professionals and researchers to improve content and satisfaction of medical education programs.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science with High Distinction, Major in Biochemistry, Specialization in Biomedical Research with Co-op, McMaster University, Class of 2020, Dean's Honour list (2015-2020).

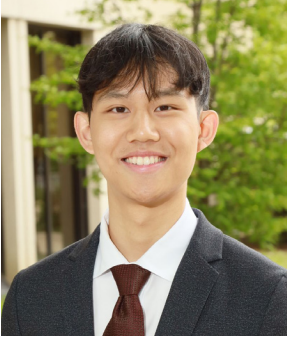
EXPERIENCE AND QUALIFICATIONS

- Vaccine Drug Substance Development Technologist at Sanofi Pasteur – Optimized downstream purification processes and analytical methods of vaccine antigens, ensuring efficient and robust production, resulting in writing and ensuring the approval of 20+ SOP's and method development reports.
- Analytical Sciences Co-op Student at Sanofi Pasteur– Excelled in GMP environment from complying with GLP's and GDP's when performing analytical processes on vaccine antigens, while addressing CAPA's, change controls, root cause analyses, and deviations as per quality assurance requirements.
- Data Entry Clerk at the Foundation of Medical Practice Education - Managed 1000+ client profiles and satisfaction surveys in a software database to conduct market analysis, leading to improved customer satisfaction and better scope of market audience.
- Clinical Information System Support Staff at Lakeridge Health - Thrived in a fast-paced team environment to implement a novel database system and troubleshooted and communicated resolutions to organize clinical data for healthcare professionals.

PERSONAL INTERESTS

- Cooking and making recipes, exploring new places, trying new food, swimming.

Where science meets business.



**Chung Hsi
Shan**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Passionate and highly motivated team player committed to help advance the biotechnology sector
- Strong technical background in biomedical research and scientific communication, with experience working in both academic and industry settings
- Skilled in molecular biological and immunological assays and have extensive experience working with cancer cells and viruses
- Proficient in Python, Java and R with solid understanding for programming logics and statistical analysis
- Language proficiency – Fluent in English and Mandarin
- British Columbia Achievement Scholarship for academic excellence

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Science, Major in Biochemistry, McGill University, Class of 2022

EXPERIENCE AND QUALIFICATIONS

- Immunology Research and Development Assistant, RevoImmune Therapeutics – Investigated the potential of oncolytic Vesicular Stomatitis Virus as a cancer treatment in the pre-clinical phase using cell and animal models, performed secondary research to design methods to circumvent viral immunity in patients
- Toxicology Laboratory Assistant, National Tsing Hua University – Characterized the genetic regulation of metallothionein under heavy metal-induced toxicity to elucidate its role in apoptotic resistance and carcinogenesis
- Youth Basketball Head Coach, YMCA – Led a team of elementary children to compete in YMCA basketball tournaments, trained volunteers and facilitated communication with parents and organization
- Club Vice President, Canadian Cancer Youth Society – Organized school fundraising events, held weekly club meeting to educate members on cancer related topics

PERSONAL INTERESTS

- Painting, basketball, fitness, spikeball, camping



**Nimah
Siddiqui**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Goal-oriented, ambitious, and innovative individual with valuable experience working in team-based environments with peers, professors, entrepreneurs and health experts.
- Exemplary organizational and time management skills refined through academic experiences resulting in a cGPA of 3.9/4.0 in undergraduate program.
- Strong technical background in research and creative problem-solving, with over two years of experience working in the biotechnology sector.
- Extensive project management experience demonstrated through an Assistant Project Manager role with strong leadership, critical thinking, and networking abilities.
- Exceptional oral & written communication skills, and attention to detail demonstrated through scientific presentations, company pitches and project reports.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Health Sciences, Biology & Pharmacology Co-op, McMaster University, Class of 2022; Dean's Honour List (2017-2022)

EXPERIENCE AND QUALIFICATIONS

- Assistant Project Manager, Healthcare Systems R&A Inc - Developed and supervised various health innovation research project plans; reviewed regulatory process for medical devices; conducted systematic reviews to assess clinical outcomes; assisted in the creation of clinical trial protocols with healthcare providers.
- Undergraduate Thesis, McMaster University – Conducted a systematic review and meta-analysis on the efficacy of a Janus Kinase Inhibitor, Upadicitnib for rheumatoid arthritis
- Vice President Administration, McMaster Biology and Pharmacology Society - Launched the mentorship program for incoming students; involved in administrative and marketing activities and hosted information nights and lectureships.
- Pharmacy Assistant, Rexall Pharmacy Group – Effectively prepared, packaged, and processed patient prescriptions in a fast-paced environment; efficiently evaluated legality of prescriptions, labels and consent forms to ensure patient information is up to date.

PERSONAL INTERESTS

- Volunteering and organizing fundraisers for non-profit organizations
- Hiking, traveling, teaching, collecting keychains, scrapbooking



**Jakob
Sokolowski**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Ambitious and creative individual with multifaceted experiences in biotechnology; ranging from pre-clinical drug discovery, regulatory compliance, bioinformatics, as well as marine and food biotechnology.
- Highly adaptable and resilient under pressure, as exemplified by the application of innovative problem-solving skills and strong critical thinking to troubleshoot complications involving assay development.
- Excellent oral and written scientific communication skills cultivated by presenting research findings at scientific conferences and seminars, as well as writing an honours thesis.
- Exceptional teamwork and leadership skills achieved through project management, extracurricular executive positions, and leadership roles.
- Proven analytical skills acquired through both industry and academic positions. Experienced in analyzing and reporting scientific data, conducting funded research projects, as well as designing and validating assays.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, *with distinction*, Molecular Biology and Genetics, University of Guelph, Class of 2021, Dean's Honour List

EXPERIENCE AND QUALIFICATIONS

- Research Technologist, The Hospital for Sick Children – Developed and validated a patient-derived fibroblast ciliation assay to perform high-throughput drug screening for Bardet-Biedl syndrome. Created protocols for automated data analysis of primary cilia in fibroblast skin cells using imaging software.
- Undergraduate Student Research Award (NSERC), University of Guelph – Characterized heat and hyperosmotic responses of novel stress-tolerant yeast for alcoholic fermentation.
- Undergraduate Honours Thesis, University of Guelph – Collected biopsies to evaluate if gene expression data can be used as biomarkers of growth. Developed experimental design and tested hypothesis and validity of data.
- Research Assistant, GEN-FISH – Performed bioinformatics on DNA sequences across 50 Canadian fish species. Designed and validated universal primers and probes for families of fish using multiple sequence alignments.
- Laboratory Assistant, Vivariant Laboratories – Assisted in the monitoring of product adherence to regulatory compliance as outlined by Health Canada. Performed QA/QC checks and routine lab maintenance as outlined by SOPs.

PERSONAL INTERESTS

- Camping, hiking, painting, volleyball, dance, learning new languages and skateboarding.



**Shivali
Sood**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Ever-smiling, passionate, and reliable, with valuable experience in team and project management.
- Effective science communicator, acquired as junior medical writer for numerous important annual conferences, as a workshop coordinator for Let's Talk Science McGill, and as science tutor of 6+ years for secondary and CEGEP students.
- Superior community-building skills, reinforced when elected science student representative and vice-president of sustainability at McGill University.
- Dedicated, collaborative worker with various experiences in customer service-based environments, as proven in roles as office assistant, credit card representative, and customer service operator.
- Excellent problem-solving and time management skills, especially toughened during undergraduate research via development of troubleshooting laboratory techniques.
- Exceptionally motivated and thrives under pressure, with a keen interest in always being challenged.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- First Class Honours Microbiology and Immunology, McGill University, Class of 2022

EXPERIENCE AND QUALIFICATIONS

- Junior Medical Writer, Elsevier's *PracticeUpdate* via AFPWordlink – Writer and editor on key materials from various medical conferences (ASCO, EHA, ESMO, ERS, etc.) with supervision from a senior freelance writer, all while adapting to different writing styles tailored to other physicians.
- Undergraduate Thesis Student, Douglas Mental Health University Institute/McGill University – Investigated the role of clock proteins BMAL1 and REVERB- α in immune signaling pathways against malaria in murine models via immunoblot and flow cytometry analyses.
- Vice-President Sustainability, Science Undergraduate Society at McGill University (non-profit) – Supervised and managed operations, sales, and social media platforms, of four committees: Mental Health, Social Sustainability, Charity Week, and Environment. Conducted interviews to fully staff committees
- Administrative Assistant, Faculty of Medicine Alumni at McGill University – Collaborated with superiors to plan Homecoming events for McGill Alumni.
- Credit Card Representative, Expressco Marketing – Sold the Canadian Tire Bank Triangle™ Mastercard.

PERSONAL INTERESTS

- Biking, yoga, personal fitness, houseplants, piano, and painting.



**Lindsey
Starkman**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Over 3 years of experience in analytical chemistry, laboratory quality assurance, internal auditing, and scientific writing
- Dynamic communication skills as demonstrated by conveying scientific information in both academic and professional settings as well as extensive cGMP training of other employees
- Proven leadership skills as shown by delivering high-quality, well-organized work through effective delegation of tasks amongst team members, and balancing competing priorities to meet deadlines
- Highly motivated and goal-oriented team player capable of overcoming challenges and being able to adapt and take initiative in fast-paced settings
- Driven and creative individual committed to self-improvement, continuous learning, professional ethics, and fostering collaborative work environments
- Effective interpersonal and problem-solving skills honed through extensive professional, academic and personal experience

EDUCATION

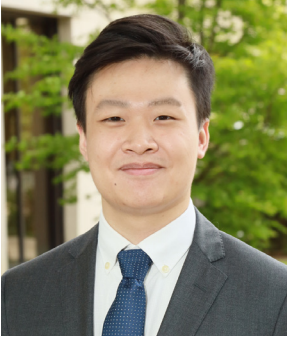
- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science with Co-op, Biological and Pharmaceutical Chemistry, University of Guelph, Class of 2021; Dean's Honours List during each semester of study

EXPERIENCE AND QUALIFICATIONS

- Quality Analytical Chemist at Ddrops Company. Analyzed finished products, packaging materials, and raw material ingredients using HPLC and other analytical instrumentation to determine disposition status. Created and maintained quality system documents, such as Specifications, Certificates of Analysis, Standard Operating Procedures, and Test Methodology
- Product Development Co-op Student at Ddrops Company. Formulation development for both liquid and solid dosage forms of new products. Liaised between Product Development and Quality departments to ensure smooth transition from product conception to market readiness
- Undergraduate thesis project studying the computational simulation of 1,3:2,4-dibenzylidene-D-sorbitol and several of its derivatives to investigate interactions governing self-assembly from an energy perspective
- Volunteer Laboratory Assistant at the University of Guelph. Prepared and standardized solutions for use in analytical chemistry and toxicology labs. Assisted in instrument maintenance including disassembly and component replacement of GC and HPLC to ensure machine cleanliness and efficacy

PERSONAL INTERESTS

- Organizational psychology podcasts, personal fitness, puzzles, cooking, travel, dogs



**Paul (Tao)
Tang**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Exceptional written communication skills as demonstrated through publication as a co-author in a peer-reviewed science journal.
- Outstanding analytical and self-learning skills exemplified by independently studying for and passing the Chartered Financial Analyst (CFA) Level 1 Exam above the 90th percentile.
- Highly effective interpersonal communication and presentation skills developed through building course curriculum for and tutoring 60+ MCAT students on topics in organic chemistry, biochemistry, physics, etc.
- Excellent teamwork and managerial skills refined through overseeing a team of 10+ coordinators in a leadership role at a Canadian Liver Foundation Club Branch.
- Native proficiency in English, Cantonese, and Mandarin.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Science with Distinctions, Microbiology and Immunology, University of British Columbia, Class of 2021; Dean's List (2018 – 2021)

EXPERIENCE AND QUALIFICATIONS

- Undergraduate Researcher, University of British Columbia (UBC) — Self-directed team-based research on the effect of coffee consumption and antibiotic use on gut microbial community structure of Parkinson's disease patients.
- Lead Tutor, Ekzell MCAT — Provide content and strategic tutoring for 60+ students taking the Medical College Admissions Test (MCAT) while managing the organizational operations including service marketing and course-content development.
- Undergraduate Researcher, University of British Columbia (UBC) — Performed project on endophytic microbial communities and viruses, leading to a presentation at the Multidisciplinary Undergraduate Research Conference at UBC.
- Vice President External, UBC Canadian Liver Foundation — Managed a team of coordinators to facilitate external communications and strategic planning in support of the organization of events/conferences involving students, medical professionals and academics.
- Radiation Therapy Support, BC Cancer Agency — Provided support for patients who are undergoing radiation therapy treatment and administered surveys to evaluate treatment effects.

PERSONAL INTERESTS

- Reading, Rugby, Chess, and Community Involvement



**Tasfiah
Tasnim**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Over 5 years of experience in various roles in the field of clinical research, with a focus on clinical trials related to cardiovascular disease.
- Well-established critical thinking and problem-solving abilities developed through the completion of various case-based learning courses in undergraduate and graduate studies.
- Excellent communication and collaboration skills acquired through working in teams of individuals from various interdisciplinary backgrounds in an academic setting, as well as with healthcare professionals, researchers and patients in a co-op setting.
- Strong interpersonal and leadership skills demonstrated through various roles in academia, research and extracurricular activities.
- Well-developed research, writing and presentation abilities cultivated through various courses, experience as a research assistant and through the completion of a senior thesis project.

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honors Bachelor of Health Sciences, Biology and Pharmacology Co-Op, McMaster University, Class of 2022, Dean's Honors List

EXPERIENCE AND QUALIFICATIONS

- Undergraduate Thesis Student, McMaster University – Identified and analyzed the significance of rare genetic variants in a family with co-presentation of various forms of cardiovascular disease through whole exome sequencing.
- Academic Writing Advisor, McMaster University – Worked individually with undergraduate students to help improve their academic performance through identifying strengths and weaknesses in their writing.
- Research Assistant, Clinical Research Laboratory and Biobank/Genetics and Epidemiology Laboratory – Aided in the recruitment and coordination of new patients entering a genetic sequencing study. Maintained organized records of patient information for a clinical study with approximately 1000 patients.
- Research Assistant, Population Health Research Institute Department of Global Health – Created, updated and kept organized records of documents for the early stages of a prospective clinical trial. Analyzed clinical trial data to determine conclusive study results.
- Vice President of Events and Marketing, McMaster Biology and Pharmacology Society – Managed social media accounts, organized events and acted as an advocate for the program community.

PERSONAL INTERESTS

- Travelling, baking, cooking, embroidery, knitting, hiking and personal fitness.



**Sriprada
Thallapalli**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Diligent team-player with extensive leadership experience in multiple student-run organizations.
- Proven project and time-management skills evidenced by managing competing priorities for research and extracurricular projects to ensure deadlines were met.
- Exceptional verbal and written communication skills as showcased by multiple research conference presentations and awards.
- Over 3 years of experience in bio-analytical chemistry, where critical thinking and problem-solving skills were honed by troubleshooting issues.
- Passionate about mentorship and teaching as shown through involvement in numerous activities supporting high school and undergraduate students.
- Recipient of the Canadian Association of Gastroenterology's Summer Studentship (2021), BioTalent Canada SWPP Grant (2021), Klaus Fritze Memorial Prize (2019), McMaster University President's Award (2017).

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science, Chemical Biology Co-op, McMaster University, Class of 2022; Dean's Honour List (2017-2022)

EXPERIENCE AND QUALIFICATIONS

- Research Assistant, St. Michael's Hospital – Recruited participants via phone calls for a randomized controlled trial investigating the effects of soy milk versus cow's milk as an intervention to replace sugar sweetened beverages on liver fat and key cardiometabolic mediators.
- Research Student, The Hospital for Sick Children – Investigated methods to retain parietal cells in culture using mouse gastric epithelial cells to study *Helicobacter pylori* pathogenesis and presented findings.
- Undergraduate Thesis Student, Britz-McKibbin Lab, McMaster University – Identified urinary biomarkers to improve delirium diagnosis in older individuals following hip surgery using Multisegment Injection-Capillary Electrophoresis-Mass Spectrometry and won 1st Place Presenter Award.
- Teaching Assistant, Introductory Chemistry, McMaster University – Supervised 40+ first-year students while completing experiments in labs and marked lab reports to provide feedback.
- Human Resources (HR) Director, STEM Fellowship – Trained and led a team of 8 HR members in managing recruitment cycles, involving 100+ applicants, on a national level.

PERSONAL INTERESTS

- Running and personal fitness, mentorship, baking, reading



**Deryk
Vu**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly motivated, proactive individual committed to self-development, taking on new challenges, and seeking learning opportunities
- Effective communication acquired through teaching experiences and clinical volunteering with an ability to clearly present information to people of varied backgrounds, ages, and skill levels
- Diligent and reliable team-player through leadership positions held within a university medical chapter for a non-profit organization
- Strong time-management and organizational skills demonstrated by successfully coordinating multiple fundraising and outreach events while maintaining strong academic performance and extracurricular commitments
- Developed proficient problem solving and analytical capabilities through 2 years of experience in undergraduate wet-lab aquatic virology research

EDUCATION

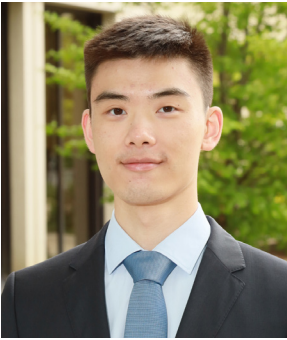
- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science with High Distinction, Double Major in Biology for the Health Sciences and Chemistry, University of Toronto, Class of 2021
- Dean's List (2018-2021), NSERC USRA (2020)

EXPERIENCE AND QUALIFICATIONS

- Thesis Student, Short Lab, University of Toronto - Explored the virus-host dynamics of a *Chrysochromulina parva* virus and its virophages and presented findings to peers and faculty at an academic biology symposium
- Hospital Elder Life Program Volunteer, Brampton Civic Hospital - Provided caretaking for 20 elderly inpatients with the objective of preventing functional decline and delirium during prolonged hospital stay
- Teaching Assistant, University of Toronto - Conducted weekly practical and tutorial classes, instructing university students on biology lab experiment safety, procedure, and analysis
- UTM Global Brigades Co-Chairperson, Co-President, University of Toronto - Led an executive team of 25 students to organize outreach events, a 9-day telebrigade, and a national virtual conference to promote global citizenship and to support the organization's mission of reducing global healthcare and economic disparities
- Class Instructor, Fellowship of Vietnamese Taekwondo Club - Guided students ranging from white-belt to black-belt skill level on Taekwondo techniques and self-defense

PERSONAL INTERESTS

- Teaching, Piano, Drums, Taekwondo, Home-renovation



**Cheng An
Wang**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Extensive experience in team-, time-, and project management cultivated through leading team research projects and balancing academic endeavours with extracurricular activities
- Versed in biomedical manufacturing, commercialization, GMP, ICH guidelines, and regulatory processes
- Excellent communication and organizational skills practiced in leadership roles
- Able to quickly adapt to new environments and incorporate information; performs well under pressure
- Navigates through complicating tasks with problem-solving skills, critical thinking skills, and attention to detail
- Strong interpersonal skills to help incorporate into a team; demonstrate professionalism in the work environment

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Honours Bachelor of Science with High Distinction, Specialization in Pharmacology and Major in Physiology, University of Toronto, Class of 2022; Dean's List Scholar 2018-2022

EXPERIENCE AND QUALIFICATIONS

- Class Representative, MBiotech Class of 2024, University of Toronto – Liaised between the class and Program Admin; represented the student body at program meetings
- Student Researcher, Biomedical Incubator, University of Toronto – Led a team of students in a research project on inducing Breast Cancer Resistance Protein to promote placental drug transportation and fetal protection
- Student Researcher, Salmena Lab, University of Toronto – Designed and optimized SOPs; conducted experiments such as AlamarBlue viability assay, Western Blots, and affinity purification to assist in Acute Myeloid Leukemia and Breast Cancer studies
- Director of Finance, Pharmacology and Toxicology Student Association: Communicated with departmental representatives for updates and support; planned events and associated budgets; documented and maintained union cash flow
- Treasurer, Medical Sciences Student Union, University of Toronto – Marketed the union to acquire external funding; supervised and coordinated personnel at union events; communicated with faculty members for collaborations

PERSONAL INTERESTS

- Volleyball, squash, longboard, piano and travelling



**Michelle
Weinshtein**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Excellent active listening and communication skills acquired through academic, professional, and community experiences.
- Highly motivated and energetic team player with exceptional collaboration skills, honed through group projects and organization roles.
- Exceptional time-management and organization skills cultivated through successful balancing of academics and extracurricular projects, while meeting strict deadlines.
- Innovative and out of the box thinker, committed to contributing new perspectives and solutions to the biotechnology sector.
- Positive & growth-minded individual, dedicated to building an authentic and positive work environment.
- Written and oral competency in Hebrew, Oral competency in Russian.
- Recipient of the Western Gold Medal Award (2022) and The Western Scholarship of Excellence (2017).

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Medical Science, Specialization in Interdisciplinary Medical Sciences, Western University, Class of 2022, Dean's Honour List

EXPERIENCE AND QUALIFICATIONS

- Health Promotion Messaging, Human Environment Analysis Laboratory- Collaborated with a team of Registered Dietitians to research information about nutrition and food safety to create messages for 'SmartAPPetite' mobile app to promote healthier eating habits.
- Server, Maple Downs Golf & Country Club- Made rational decisions in stressful situations with co-workers and guests in a fast-paced environment.
- Research Assistant, Sackler Faculty of Medicine- Tel Aviv University- Used flow cytometry to analyze irradiation induced cell-death in human hematopoietic stem cells (HSPCs). Quantified mutagenic non-homologous end joining processes in HSPCs.
- Social Media Coordinator - Board Director, Canadian Stuttering Association- Collaborated and contributed to monthly board meetings to develop strategic plans for growth and accomplishment. Organized and planned a workshop for the annual conference and increased social media engagement by 30% in one year.
- Office Administration Volunteer, Canadian Cancer Society- Utilized communication and administration skills to maintain positive relations with other volunteers and donors.

PERSONAL INTERESTS

- Meditation, Spirituality, Outdoor activities, Cooking



**Shirley
Yang**

BIOPHARMA

SUMMARY OF SKILLS AND ACHIEVEMENTS

- Highly motivated and reliable individual, dedicated to team success and learning
- Professional and concise communication skills acquired through thesis presentations and guiding patients as a hospital volunteer
- Extensive critical thinking and problem-solving skills developed through conducting an independent honours thesis research project and multiple summers assisting in Alzheimer's Disease research
- Strong leadership and teamwork skills cultivated through numerous undergraduate group research projects and Mbiotech team-based projects
- Recipient of Western University Continuing Admission Scholarship for academic excellence (\$10,000)

EDUCATION

- Master of Biotechnology, Biopharmaceuticals stream, University of Toronto, Class of 2024
- Bachelor of Medical Science, Honours in Medical Cell Biology, Western University, Class of 2022
- Dean's Honor List (2018-2022)

EXPERIENCE AND QUALIFICATIONS

- Honours Thesis Project, Laird Lab, Western University – Investigated effects Cx43 phosphorylation at its C-terminal on gap junction formation and internalization. Discovered potential relation between lack of phosphorylation and Erythrokeratoderma Variabilis et Progressiva (EKVP) disease
- Presented thesis results to the Medical Cell Biology faculty at Western University in the form of oral presentations and a final lab report
- Summer Research Student, McLaurin Lab, Sunnybrook Health Science Centre – Supported the work of a postdoctoral researcher and PhD candidate in the study of Alzheimer's Disease
- Student Research Project, Supervised by Dr. McLachlin, Western University – Determined effects of S146K mutation on mCherry fluorescence in hopes of maximizing fluorescence efficiency
- Volunteer at St. Joseph's Hospital – Aided patients in navigating hospital directions and assisted in clerical duties
- Volunteer at Mount Hope Long-Term Care Centre - Worked alongside recreational therapists and nurses to provide quality care for residents with dementia

PERSONAL INTERESTS

- Traveling, art, reading, personal fitness, video games

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