

York University Markham Campus

Master of Biotechnology Management (MBM)

**RIGHT
THE
FUTURE™**

Resume Book
Summer 2025

YORK U



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Dear Employer Partners,

On behalf of the Faculty of Science, the Faculty of Graduate Studies, and York University's Markham Campus, we are thrilled to introduce our inaugural cohort of Master of Biotechnology Management (MBM).

The MBM program has been years in the making. Shaped by extensive consultations with industry and rigorous review by both internal and external levels of governance, this program is laser focused on benefiting students, employers, and the growing bioeconomy. As we always say, MBM has been designed with industry, for industry.

Here's how we respond directly to your needs:

- **Unprecedented Interdisciplinarity:** As employer partners, you have emphasized your need for talent that integrates biotechnology with business acumen. We delivered! Our Master's candidates complete a management diploma ("mini-MBA") alongside their graduate biotechnology curriculum.
- **Industry-Centered Curriculum:** Your priorities have shaped our curriculum, ensuring our graduates are equipped with the competencies you value. Even further, to sustain this alignment, we are eager to continue the conversation through our advisory board, subject-matter-expert guests, or individual consultations.
- **Flexible Internships:** We understand that flexibility matters. You choose the duration of internships to suit your organization's needs, and we will work with your preference.
- **Dedicated Focus During Internships:** To ensure our interns deliver their best work, we've eliminated almost all coursework during their work terms (1 course exception).
- **Seamless Transition to Employment:** We also want to maximize your return on investment. Our internships are strategically placed at the end of the degree, so that our graduates are ready to transition directly into permanent roles, should you desire to retain them.
- **Wage Subsidies:** In many cases, internship wages are eligible for up to \$7,000 per term or \$21,000 funding per year.

With an approach that aligns your needs with those of our trainees, York University is committed to bridging the biotechnology labour gap—one highly-skilled graduate at a time.

In fact, this commitment comes to life through our inaugural cohort of MBM students. We are excited to present you with their resumes here. These passionate, hard-working, and well-trained individuals are eager to contribute to your organization. They will be ready for full-time internships starting May 2025.

We invite you to browse their resumes. Should you identify candidates who fit your needs, please contact our **Educational and Employer Partnership Manager, Sara Del Piano**, at sdpiano@yorku.ca to discuss the hiring process.

It is our goal and absolute pleasure to support your organization's growth and success, and in turn our bioeconomy.

Your success is our success,



Jade Atallah, PhD

Graduate Program Director | Master of Biotechnology Management
Assistant Professor Teaching Stream | Faculty of Science | Biology
York University, Markham Campus



Luz A. Puentes Jácome, PhD

Assistant Professor Teaching Stream | Faculty of Science | Biology
York University, Markham Campus

MBM Program Overview

The Master of Biotechnology Management is a 20-month course-based professional graduate program combining practical interdisciplinary training in Biotechnology and Management, designed to provide students who hold a Bachelor of Science degree in Biology, Biological Sciences, Biotechnology, Life Science, or related discipline.

Biotechnology represents one of Canada's fastest-growing high-tech areas, whose contribution to the well-being of Canadians has come to the forefront in the context of the COVID-19 pandemic. The MBM program trains our students to become leaders in this exciting and emerging field.

The program is structured to develop knowledge and skills in biotechnology and management during the first two semesters, and then extend students' knowledge and understanding through an internship and an experiential capstone experience in their final three semesters. The course load in semesters 3-5 are kept to a minimum so that students can focus on their paid internships and build interactions with industry and potential employers.

Students who complete this program are awarded two credentials upon completion of the program requirements: a Master's in Biotechnology Management and a Graduate Diploma in Management.

Overall, the main objectives of the Master's in Biotechnology Management are to provide students with insight into the latest biotechnology theories, discoveries, and laboratory techniques, while also developing managerial competencies and a practical foundation in the biotechnology industry.

Master of Biotechnology Management



Graduate Courses in Biotechnology

5 courses x 3.0 credits

Biotech/Management Capstone

3.0 credits

Graduate Courses in Management

8 courses x 1.5 credits

Internship

Up to 12 months



MBM Courses

Biotechnology Courses

BIOT 5010 Introduction to Biotechnology Practices

This course provides students with a theoretical background and working knowledge of the field of biotechnology. Students will learn fundamental theories of biotechnology science, latest discoveries, and biotechnology processes. The course will also examine the context of traditional versus modern biotechnology processes, and survey the scientific, ethical, and social considerations in these contexts.

BIOT 5020 Science Communication and Writing

This course is designed to give students the opportunity to develop their science communication and writing. Students learn to write articles and reports for science audiences and general audiences, deliver effective oral presentations and communicate science using online platforms. One of the objectives of the course is to prepare students to successfully interview, secure and complete their paid internships in biotechnology.

BIOT 5040 Laboratory Skills in Biotechnology

This course focuses on the latest laboratory techniques in biotechnology. The main objective of the course is to develop students' skills in practical laboratory skills, experimental procedures, and analysis in biotechnology.

BIOT 5050 Data Analysis, Product Development and Commercialization in Biotechnology

This course offers a dual purpose. The first part of the course will provide a comprehensive introduction to the software tools and methods for analyzing biotechnology data, with an emphasis on statistical reasoning and critical interpretations of statistical information in the biotechnology industry. The second part of the course will provide training on biopharma product development and commercialization.

BIOT 5030 Research and Development in Biotechnology

This course introduces students to research and development practices in the Canadian biotechnology industry. Emphasis is placed on the biotechnology drug and development process, standard operating procedures, regulations, clinical trials, packaging and labeling, and good manufacturing practices to prepare students to secure and complete their paid internships in biotechnology.

BIOT 5000 Capstone Experience

This course represents the capstone course in the Master's in Biotechnology Management program. Students will look back and synthesize their academic learning throughout the Master's in Biotechnology Management program, to transform these skills for future contexts. Students form communities of learning to investigate real issues affecting the success of biotechnology organizations through case study management. Students will face complex business situations in biotechnology, draw upon their understanding of the functional areas of business, general management, and biotechnology to identify and assess alternatives, and provide recommendations to management in a consultative capacity.

Business Management Courses

DMGM 5010 Organizational Theory and Strategic Management

This course is designed to expose students to a macro-perspective on organizations and many facets of organizing and strategy that contribute to varied organizational performance.

DMGM 5070 Organizational Behavior

This course is designed to expose students to a micro-perspective on organizations and provide them with good understanding of factors influencing individual and group behaviour and performance in organizations.

MBM Courses

DMGM 5030 Manufacturing and Service Operations Management

In this course, we review classic qualitative and quantitative models in manufacturing and service operations management.

DMGM 5050 Management Information Systems

Overview of the main information systems used by organizations and how they can be managed.

DMGM 5040 Financial and Management Accounting

Two distinct foundations of accounting exist, financial accounting and managerial accounting. Both have a unique purpose and perspective. Financial accounting serves to create organizational information that can be used to evaluate the financial performance of the organization namely by those external to the organization. Managerial accounting, as the name implies, is the creation of accounting information for internal managerial decision-making. Managerial accounting borrows from managerial finance and provides managers with finance tools that assist in decision-making.

DMGM 5080 Law and Corporate Governance

This course will explore the legal environment of corporate governance, including the duties and liabilities of directors and officers; audit committee requirements and financial reporting; compensation committee requirements and reporting; governance rules and guidelines; shareholder rights and remedies, as well as international issues.

DMGM 5060 Introduction to Financial Management

The course serves as an integral module of the Graduate Diploma in Management program and provides a condensed introduction to basic financial management within an organization.

DMGM 5020 Principles of Marketing Management

The course serves as an integral module of the Graduate Diploma in Management program and provides a condensed introduction into basic marketing functions within an organization.

Optional Courses for Students Interested in the Public Sector

DMGM 5120 Canadian Administrative Law and Public Sector Ethics

The purpose of this course is to introduce students to some of the fundamental principles of public law in Canada, including administrative law and court challenges to public policies and administration, and to provide students with an understanding of critical topics in public sector ethics and accountability.

DMGM 5110 Fundamentals of Public Sector Management

Designed to introduce students to fundamental principles of public sector management with a particular emphasis on the Canadian context.



MBM Internship

MBM students participate in two developmental paid internships that may take place with the same employer (up to 12 months in total) or with two different employers (4 months and 8 months). During the first 4 months, students are expected to gain relevant work experience in the biotechnology sector, while during the following 8 months students are expected to solidify their analytical and professional capacity skills and commitment to the biotechnology sector. During the internships, students are supported by a Faculty Liaison as an external supervisor and an Industry Supervisor in the workplace.

Process of Hiring an MBM Student

- 1. Develop Job Description**
Timeline: September - December 2024
- 2. Share Job Description to Post on Job Board**
Timeline: Early January 2025
- 3. Pre-Screen Resumes & Coordinate Interviews**
Timeline: February - March 2025
- 4. Select Candidate & Confirm Hire**
Timeline: April -May 2025



Internship Timeline

Year	Fall (September-December)	Winter (January-April)	Summer (May-August)
1	Study Term 1	Study Term 2	Internship A
2	Internship A/B + Capstone	Internship A/B	

Examples Of Internships

- Research and Development Intern
- Clinical Trials Intern
- Laboratory Research Intern
- Manufacturing and Service Operations Intern
- Commercial Operations Intern
- Food Safety and Quality Control Intern
- Regulatory Affairs Intern
- Medical Affairs Intern
- Grant Writing/Technical Writing Intern
- Project Management Intern
- Public Health Researcher
- Science Policy and Advocacy Associate
- Data Analysis and Reporting Associate
- Market Analysis Intern
- Market Access and Pricing Intern
- Post-market Surveillance Specialist
- Global Health Initiatives Intern
- Other (based on your company's hiring needs)

MBM Internship







Salary Guidelines & Wage Subsidy

MBM program participants typically receive compensation for their work placements, with hourly rates usually starting from \$27. Benefits, vacation, and access to the company's programs are at the discretion of the employer. Employers may consider applying for funding programs through the SWPP program, Mitacs, and the Co-operative Education Tax Credit. Our team will be happy to guide you through these opportunities to better understand the ones that best align with your organization and needs.

Useful Links

- [SWPP](#)
- [Mitacs Accelerate Program](#)
- [Mitacs Business Strategy Internship](#)
- [Co-operative Education Tax Credit](#)

Why Hire a YorkU MBM Student?

 Elevating interdisciplinarity to new heights	 A curriculum designed with industry for industry	 Intensive professional development
 Employer-centered internship structure	 Seamless study to work transition	 Government funding

The Master of Biotechnology Management (MBM) program has been designed to provide your organization with cost-effective access to highly skilled professionals who bridge biotechnology and business.

Here's how MBM meets your needs:

- **Interdisciplinary Expertise:** Graduates combine biotechnology with business through an integrated 'mini-MBA'
- **Industry-Centered Curriculum:** Shaped by industry input to ensure students have the skills and competencies you value
- **Flexible Internships:** Customize internship durations to align with your organization's requirements.
- **Dedicated Focus:** Interns complete their work terms with minimal coursework, enabling them to deliver high-impact results
- **Ready-to-Hire:** Internships are strategically placed at the end of the degree, allowing a seamless transition to permanent roles if desired
- **Cost-Effective Support:** Eligible internships may qualify for wage subsidies of up to \$7,000 per term or \$21,000 per year, reducing your hiring costs

STUDENTS' INTERESTS

- Manufacturing and Production
- Management, Finance and Administration
- Legal and Regulatory Affairs
- Distribution and Logistics
- Information Technology
- Marketing, Business Development and Sales
- Research and Development
- Bio-industrial
- Bio-health
- Agri-bio





➤ **Manufacturing and Production**

Zoha Moiz
 Rohan Revoori
 Priscilla Naa Adjei
 Gurleen Saund
 Loveleen Datta
 Michael El-Tawil
 Hamza Khan

➤ **Management, Finance and Administration**

Lucy Bassman
 Rohan Revoori
 Jessica Marchesan
 Rina Mesfin
 Marisol John
 Shivangi Chandna
 Michael El-Tawil

➤ **Legal and Regulatory Affairs**

Harleen Kaur
 Lucy Bassman
 Aparna Maheswaran
 Ida Fazeli
 Jessica Marchesan
 Marisol John
 Shivangi Chandna
 Hamza Khan
 Loveleen Datta
 Yara Al-Dahleh

➤ **Distribution and Logistics**

Hamza Khan
 Michael El-Tawil

➤ **Information Technology**

Ida Fazeli
 Qiman Ll
 Shivangi Chandna

➤ **Marketing, Business Development and Sales**

Rohan Revoori
 Jessica Marchesan
 Rina Mesfin
 Michael El-Tawil
 Yara Al-Dahleh

➤ **Quality Control and Assurance**

Harleen Kaur
 Zoha Moiz
 Aparna Maheswaran
 Ida Fazeli
 Qiman Ll
 Priscilla Naa Adjei
 Gurleen Saund
 Hamza Khan
 Loveleen Datta
 Yara Al-Dahleh

➤ **Research and Development**

Harleen Kaur
 Lucy Bassman
 Zoha Moiz
 Aparna Maheswaran
 Qiman Ll
 Rina Mesfin
 Priscilla Naa Adjei
 Marisol John
 Gurleen Saund
 Yara Al-Dahleh
 Hamza Khan

➤ **Bio-industrial**

Harleen Kaur
 Zoha Moiz
 Rohan Revoori
 Ida Fazeli
 Qiman Ll
 Rina Mesfin
 Priscilla Naa Adjei
 Marisol John
 Gurleen Saund
 Shivangi Chandna
 Loveleen Datta

➤ **Bio-health**

Harleen Kaur
 Lucy Bassman
 Zoha Moiz
 Aparna Maheswaran
 Rohan Revoori
 Ida Fazeli
 Jessica Marchesan
 Qiman Ll
 Rina Mesfin
 Priscilla Naa Adjei
 Gurleen Saund
 Shivangi Chandna
 Hamza Khan
 Loveleen Datta
 Michael El-Tawil
 Yara Al-Dahleh

➤ **Agri-bio**

Lucy Bassman
 Hamza Khan
 Marisol John

Student Resumes



APARNA MAHESWARAN

Toronto, Ontario
Aparnamahes27@gmail.com

(416) 930-6838

[LinkedIn](#)

CAREER OBJECTIVE

A highly dedicated Master's student with a strong interest in regulatory affairs, legal compliance, and quality assurance within the biotechnology sector. Seeking to contribute to the development and oversight of regulatory processes, policy implementation, and quality control procedures. Eager to apply interdisciplinary knowledge in legal and regulatory affairs to ensure compliance to industry standards and support the advancement of medical innovations in Canada.

EDUCATION

Master of Biotechnology Management | 2024 – 2026

York University, Markham, Ontario

- Combined credential with Graduate Diploma in Management

Relevant Coursework:

- R&D, Laboratory Skills, Product Development, Commercialization, Data Analysis

Relevant Project: CEWIL Grant Project - Dalton Pharma Services

- Gained industry-specific insights into acquisition challenges and developed actionable strategies for resolving management conflicts between subsidiaries and parent companies
- Fostered problem-solving, critical-thinking and management skills while addressing the complexities of mergers and acquisitions in the pharmaceutical industry

Honors Bachelor of Science with High Distinction, Biotechnology Co-op | 2020 – 2024

University of Toronto, Scarborough, Ontario

- Cumulative GPA: 3.81
- Dean's List: 2021-2023

Relevant Coursework:

- Genomics, Virology, Biochemistry, Advanced Laboratory Skills, Bias in the Sciences

RELEVANT EXPERIENCE

Marketing Assistant | November 2023 – Present

Shirdi Sai School of Canada, Markham, Ontario

- Refined marketing skills by onboarding 7 new students in 4 months and generating over 250 leads from sign-up forms by running Facebook ads and email marketing campaigns
- Fosters financial management skills by expertly testing creatives and copy to find the lowest daily ad spend that yields the highest conversion rate, while ensuring that the leads are generated at a low cost

APARNA MAHESWARAN

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[LinkedIn](#)

Medical Intern | May 2022 – December 2022

bMod Communications, Montreal, Quebec

- Gained industry-specific knowledge about clinical research protocols, ethical practices, regulatory compliance, and overall biotechnology landscape in Canada by working with industry-leading companies such as AstraZeneca, Novartis, and Sanofi
- Contributed to the development and renewal of scientific documents, including product monographs, ensuring they reflect recent changes in drug development and regulations while complying with Pharmaceutical Advertising Advisory Board (PAAB) and Health Canada standards

Project Member | October 2021 – December 2022

Neurotech UofT, Toronto, ON

- Collaborated in the NTX Student Club Competition 2021-2022 to develop a mind-controlled keyboard using neurotechnology for communication
- Gained hands-on experience in setting up EEG experiments, including electrode placement using the 10-20 International system, and using wet/dry electrode systems and differential amplifiers

Health Blog Writer | September 2021 – December 2022

JP Stroke Foundation, Toronto, ON

- Conducted literature research to identify reliable, scientifically based articles relevant to monthly blog topics, ensuring content accuracy and relevance
- Created blog posts that raised awareness about underdiagnosed and uncommon diseases, with a focus on educating individuals from lower socioeconomic backgrounds

AWARDS AND TRAINING

- | | |
|--|------|
| • BioTalent Training Modules, Virtual | 2024 |
| • Overview of Bioprocessing Training, CASTL | 2024 |
| • Introduction to Good Clinical Practices, Novartis | 2024 |
| • Standard First Aid CPR/AED Level C (Blended), Canadian Red Cross | 2023 |
| • Drug Discovery, University of California San Diego, Coursera | 2023 |

ADDITIONAL INFORMATION

Computational Skills: MS Office, Python (beginner), VBA, R, Linux, Salmon

Laboratory Techniques: CRISPR-Cas 9, RT-qPCR, Gateway Cloning, Protein Purification

Languages: English, Tamil, French (Limited Working Proficiency)

Cindy Nguyen

Toronto, Ontario
ncindy1605@gmail.com

(437) 248-3232

CAREER OBJECTIVE

Biotechnology master's student with experience collaborating within teams to pioneer new systems and technological application in research environments. Skilled in designing and executing complex experiments, analyzing data proficiently, and delivering comprehensive presentations. My interests lie within the environmental and medical biotechnology sector more specifically in the areas of clinical trials, field trials and process development.

RELEVANT SKILLS

Python | Project Management | PCR | Spectroscopy | Molecular cloning | Western blotting

EDUCATION

Master of Biotechnology Management | 2024 – 2025

York University, Markham, Ontario

Courses: BioTalent Training Courses, Introduction to Biotech Practices, Science Communication and Writing

Bachelor of Science | 2019 – 2022

University of Guelph, Guelph, Ontario

Courses: Methods in Microbial Culture and Physiology, Industrial Microbiology, Genetic Engineering of Plants, Molecular Biology of Cells

RELEVANT EXPERIENCE

Research Assistant | September 2021 – December 2022

University of Guelph, Guelph, Ontario

- Lead the development and integration of a novel component into the botany labs of BOT*3310 at the University of Guelph, leveraging computational phenotyping techniques to detect early signs of plant stress
- Applied proper scientific methods and creative thinking to conceptualize and execute research experiments, assessing the feasibility of phenotyping software
- Optimized software for user experiences using Python, and spearheading improvement in ImageJ resulting in a more user-friendly and efficient software interface

Duty Manager | May 2022 – November 2022

Toronto Island Marina, Toronto, Ontario

- Led the daily operations by overseeing and delegating tasks to staff members while ensuring the safety of staff and visitors resulting in an increase in work productivity
- Served as the forefront of customer communications, actively engaging in inquires and leveraging effective communication strategies to attract and onboard new customers, contributing to increased client acquisition

Cindy Nguyen

Toronto, Ontario
ncindy1605@gmail.com

(437) 248-3232

- Led the training of new employees, employing comprehensive instructional techniques to ensure seamless integration into their role, fostering a skilled and cohesive team

Clinical Cancer Research Assistant | May 2017 – August 2017

Princess Margaret Cancer Centre, Toronto, Ontario

- Assisted in the collection of vital data through patient consultations used to enhance the efficacy of the palliative care triage system at the Princess Margaret Cancer Centre
- Demonstrated proficiency in data management by ensuring meticulous input of information into computerized systems contributing to well-organized and up-to-date records thereby supporting data accuracy and reliability of organizational systems
- Designed and presented an award-winning research poster aimed at fostering awareness and educating fellow scholars at the University Health Network research conference

Physiotherapist Assistant | September 2016 – June 2017

Bloor-Dufferin Rehabilitation Centre, Toronto, Ontario

- Provided guidance to patients alongside advance of physiotherapist by personalizing and demonstrating exercise programs resulting in reduced recovery time
- Led the development of an innovation physiotherapy area catering to patients with limited mobility, demonstrating a commitment to fostering inclusive fitness practices

Gurleen Saund

Mississauga, Ontario
gurleen.saund@gmail.com

647-702-3470

[LinkedIn](#)

CAREER OBJECTIVE

Graduate student looking for an internship in pharmaceutical and medical biotechnology with an interest in clinical trials, regulatory affairs, and process development. Eager to apply academic knowledge and experience in a professional environment while incorporating essential skills such as analytical, critical thinking, and communication skills.

EDUCATION

Master of Biotechnology Management | 2024 – 2026

York University, Markham, Ontario

- Collaborated with Sanofi to examine an industry problem related to AI in clinical trials, demonstrating strong problem-solving skills. Proposed a solution to improve safety in clinical trials by implementing an AI model.
- Developed Excel skills in functions such as VLOOKUP, SUMIFS, and VBA to enhance data management.
- Applied accounting principles to create and analyze financial statements such as balance sheets and income statements, demonstrating financial reporting skills.

Honors Bachelor of Science | 2020 – 2024

University of Toronto, Mississauga, Ontario

- Graduated with high distinction, specialized in biotechnology. GPA: 3.53/4.00
- Developed laboratory techniques in cloning, gene transformation, DNA sequencing, western blotting, polyacrylamide gel electrophoresis, fluorescence anisotropy, PCR, immunology, crystallization, purification, and primary/secondary assays.
- Applied regression analysis, ANOVA, and statistical tests to analyze datasets and case studies, showcasing analytical skills in empirical scientific reporting.
- Designed and proposed innovative products to address health issues, evaluating FDA pathways, patentability, and conduct competitor analysis.

RELEVANT EXPERIENCE

Project Coordinator | Nov 2022 – Present

UKR Machining Tools and Fabrication Ltd., Brampton, Ontario

- Manage dates and deadlines, ensuring smooth business operations and timely project completion.
- Provide exceptional client service, operate the front desk, address inquiries, and generate invoices, showcasing strong organizational and communication skills.
- Efficiently handle shipping and receiving responsibilities, demonstrating attention to detail and logistical proficiency.

Gurleen Saund

Mississauga, Ontario
gurleen.saund@gmail.com

647-702-3470

[LinkedIn](#)

Conference Assistant | Oct 2024

Ontario Genomics – SynBio Conference, Toronto, Ontario

- Engage with industry representatives, asking critical questions, improving my networking and inquiry skills in synthetic biology.
- Document detail notes during speaker sessions, contribute to a blog post, and enhance my ability to synthesize complex information.
- Assist at the registration desk and provide event support, ensuring smooth operations, which strengthens my multitasking, and event coordination abilities.

Sales Associate | May 2021 – Aug 2024

Lowes/Rona+, Mississauga, Ontario

- Received eight service star awards for outstanding customer service, which reflects my commitment to customer satisfaction and communication.
- Conduct sales activities, demonstrating product knowledge and expertise in the flooring, painting, and windows department.
- Maintain up-to-date knowledge of pricing and status of pending orders to efficiently address customer inquiries, demonstrating attention to detail and problem-solving abilities.

General Assistant | June 2018 – August 2018

Terry Fox Medical Clinic, Mississauga, Ontario

- Transfer over 5,000 medical documents to a new electronic system, enhancing efficiency and demonstrating effective time-management.
- Address patient concerns, inquiries, and appointments, demonstrating strong communication and interpersonal skills.

AWARDS AND TRAINING

Overview of Bioprocessing Training , CASTL, Montreal, Quebec	2024
Biotalent Fundamentals , Canada	2024
SynBio Conference , Ontario Genomics, Toronto, Ontario	2024
MedTech Conference , AdvaMed, Toronto, Ontario	2024
Dean's List Scholar , University of Toronto, Mississauga, Ontario	2024
WHMIS and Lab Safety , University of Toronto, Mississauga, Ontario	2023

ADDITIONAL INFORMATION

Technical Skills: Microsoft Word, PowerPoint, Excel, R, RStudio, Pymol, AutoDock, and ImageLab

Languages: Fluent in English, Punjabi, and intermediate in Hindi

Sports: Worked with my team to compete in softball, volleyball, and basketball

Hamza Khan

Stouffville, Ontario
hamzark@yorku.ca

647-575-7115

[LinkedIn](#)

CAREER OBJECTIVE

Highly skilled individual with extensive experience in various laboratory techniques. Currently completing a master's degree in Biotechnology Management. Aiming to find work in the Molecular Biotechnology or Bioinformatics sector of Biotechnology, with a key interest in Data Analysis, Manufacturing and Quality Control and Regulatory Affairs.

EDUCATION

Master of Biotechnology Management | 2024 – 2026

York University, Markham, Ontario

- Biotechnology and Business Management Program

Honors Bachelor of Science | 2018 – 2023

University of Toronto Scarborough, Scarborough, Ontario

- Molecular Biology and Biotechnology Co-Op Program

Relevant Project:

CEWIL Project – York University (On-going)

- Identified how AI solution can be implemented within clinical trials
- Highlight methods start-up companies specifically can utilize AI for their clinical trials
- Connected with an industry professional to gain insight on solving the problem at hand

Relevant Courses:

Advanced Molecular Biology Laboratory – University of Toronto

- Completed a student lead gene cloning research project which including planning, enforcing and troubleshooting in addition to the creation of a proposal

Practical Approach to Biochemistry – University of Toronto

- Explored experimental approaches used in biochemical research, including chromatography, electrophoresis, spectrophotometry, enzyme assays, and protein purification techniques

RELEVANT EXPERIENCE

Research Assistant | Aug 2023 – Aug 2024

University of Toronto Scarborough, Scarborough, Ontario

- Responsible for classifying and quantifying unique macrophage interactions with fungal cells gaining practical experience in the analysis of host cell-pathogen interaction
- Trained in the use of the software ImageJ to effectively perform image analysis and quantification
- Communicated with the senior scientist frequently, gaining further insight into the scientific method and enhancing my science communication skills.

- Effectively presents data within spreadsheets for efficient accessibility by supervisors leading to a greater appreciation of results reproducibility and efficient data presentation
- Entrusted with confidential data demonstrating professionalism and trustworthiness

Laboratory Quality Analyst | January 2022 – August 2022

Vive Crop Protection Inc., Mississauga, Ontario

- Performed quality analysis on daily new formulations, including the determination of: pH, density, viscosity, particle size, fertilizer compatibility, pourability e.t.c, saving time for my manager weekly
- Regularly updated formulation data sheets through Microsoft office providing the chemistry department with organized ledgers to improve formulations accordingly

Pharmacist’s Assistant | July 2021 – December 2021

Mostar Pharmacy, Stouffville, Ontario

- Assisted pharmacist with preparation of prescriptions in a timely and efficient manner resulting in a reduced waiting time for customers
- Updated pharmacies ledger regarding the patient history and sold prescriptions
- Effectively served customers in a professional manner regarding any OTC purchases as well as general store questions/information, providing them an overall positive experience with the business

CERTIFICATIONS

Communication's Fundamentals , BioTalent Canada, Ottawa, Ontario	2024
Collaboration’s Fundamentals , BioTalent Canada, Ottawa, Ontario	2024
Writing Fundamentals , BioTalent Canada, Ottawa, Ontario	2024
Reading Fundamentals , BioTalent Canada, Ottawa, Ontario	2024
Numeracy Fundamentals , BioTalent Canada, Ottawa, Ontario	2024

SKILLS

Hard Skills:

- Laboratory Techniques → Pipetting, Plating, Extraction, Filtering e.t.c
- Data Collection and Organization
- Microsoft Office Proficiency

Soft Skills:

- Efficiency in Professional Lab Environments → Deadline Adherence, Work Management
- Ability to Work Under Pressure → Stress Management
- Strong Communication Skills → Experience Interacting with Diverse Populations

LANGUAGES

English and Urdu

HARLEEN KAUR

Markham, Ontario

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+1(226)739-6614

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CAREER OBJECTIVE

Driven Master of Biotechnology Management candidate at York University, specialized interest in Medical Biotechnology with a focus on clinical trials. Seeking to apply academic knowledge and practical experience to design, execute, and manage clinical research initiatives. Committed to ensuring regulatory compliance while optimizing trial processes to advance innovative therapies and improve patient outcomes. Eager to contribute to a dynamic team dedicated to developing cutting-edge biotechnological solutions in healthcare

EDUCATION

Masters of Biotechnology Management | 2024-2026

York University, Toronto, Ontario

- Gaining comprehensive knowledge of biotechnology principles, including molecular biology, genomics, bioprocessing, VBA and Accounting, focusing on their commercial applications.
- Developing skills in biotechnology commercialization, intellectual property management, and market analysis, preparing for leadership roles in biotech firms.
- Application of business strategies to biotech innovation, emphasizing entrepreneurship, project management, and navigating regulatory challenges in the biotech industry.

Bachelor of Biotechnology (Hons.) | 2021-2024

Panjab University, Chandigarh, India

- Conducted laboratory experiments in biochemistry and genetics, including DNA estimation, protein assays, and enzyme activity analysis, enhancing practical skills in metabolic pathways and genetic principles.
- Gained expertise in immunology and cell culture techniques, performing differential leukocyte counts, blood group testing, and plant tissue culture, contributing to a solid foundation in biotechnology applications.
- Summer internship research project on Molecular Biology and recombinant DNA technology.
- Awarded for bagging top ten positions in University Examinations.

RELEVANT EXPERIENCE

CEWIL Project | September 2024 – November 2024

Dalton Pharmaceuticals, North York, Canada

- Designing an onboarding training program for new employees at Dalton Pharma to ensure proficiency in technologies, SOPs, and manufacturing processes.
- Implementing tools to minimize re-training, boost efficiency, and meet industry standards using e-learning, simulation-based training, and performance tracking.

Research Trainee | June 2024

Department of Microbiology, Panjab University, Chandigarh

- Worked on molecular microbiology (gene amplification, mutagenesis, conjugation) and industrial fermentation (ethanol, biopolymer, biosurfactants).
- Conducted microbiome analysis (Linux, NEXT-GEN sequencing, QIIME 2), medical (bacterial vaccines) and environmental microbiology (remote sensing).

Research Intern | January 2024 – February 2024

Learn to upgrade (DBT & NSDC), New Delhi, India

- Foundational knowledge in forensic science: DNA analysis, fingerprinting, toxicology, and evidence collection.
- Expertise in virology: virus structure, transmission, diagnostic techniques, and COVID-19 advancements.

Research Trainee | August 2023

Wellcome Sanger Institute, Cambridge (online mode)

- Gained hands-on experience with Linux, Bash scripting, and R programming, enhancing data analysis and automation skills.

Research Intern | July 2023 – August 2023

Civil Conclave IIT Roorkee, India

- Expertise in proteomics: 2D PAGE, SDS-PAGE, isoelectric focusing, BLAST, and phylogenetic analysis.
- Led mass spectrometry project for protein identification and quantification in biological samples.

Research Intern | June 2023 – July 2023

MERCK Life Sciences (CSIR IMTECH), Chandigarh, India

- Hands-on experience in DNA/RNA isolation, PCR, SDS-PAGE, Western blotting, and protein immunodetection.
- Proficient in recombinant DNA techniques: plasmid isolation, gene amplification, and mammalian cell culture.

CERTIFICATES AND TRAINING

Biotechnology Fundamentals , Bio talent, Ontario, Canada	2024
Introduction to Bioprocessing course , CASTL, Canada	2024
RNA Biology with Eterna , Stanford University (Coursera)	2024
Certificate in Personal Wellness and Learning Skills , York University	2024
Synbio conference , Ontario Genomics, Toronto, Canada	2024
Med Tech Conference , Toronto, Ontario	2024
Patent Mining Training , Panjab University, Chandigarh.	2024
Biophysical Methods and Analytical Techniques , MBSI, India	2023

ADDITIONAL INFORMATION

Volunteer (IDA pharmacy), Scarborough, Ontario:

- Blister packing, stock checking, and medication ordering.
- Billing and prescription processing.

Microbiologist Society of India (MBSI):

- Organized outreach programs and knowledge-sharing sessions for microbiology professionals.
- Contributed to competitions and initiatives to enhance professional development and collaboration.

National Service Scheme (NSS):

- Participated in community service initiatives, promoting social responsibility.
- Gained experience in volunteering and contributing to impactful projects.

Student Council (Panjab University):

- Represented the department on the student council, serving as a liaison between students, management, and staff to share ideas and enhance communication.

Ida Fazeli

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Ida1950@live.ca

[LinkedIn](#)

CAREER OBJECTIVE

Driven and detail-oriented Master's student with a strong interest in medical devices and pharmaceutical biotechnology. Actively seeking opportunities in regulatory affairs, post-market surveillance, and medical science liaison. Passionate about supporting product compliance, and innovation to enhance patient outcomes.

EDUCATION

Master's in Biotechnology Management

Sept. 2024 - Present

York University

- Relevant Coursework: Science Communication and Writing, Information Systems, R&D, Organizational Behaviour

Honours BSc in Biology - Cellular/Molecular Option

2018 - 2023

University of Ottawa

- Relevant Coursework: Molecular Biology, Chemistry, Calculus, Biochemistry
- Thesis: Investigated the medicinal effects of alpha-beta acids in hops
 - Applied various laboratory techniques and utilized RStudio for data interpretation
 - Presented findings to a diverse panel of evaluators

SKILLS AND CERTIFICATIONS

- Fluent **bilingual** (English/French)
- Computer proficiency: Microsoft Office (i.e. Outlook, Excel, Word), Kroll, PharmaClik.
- Detail-oriented, data analysis, adaptable, organized, multi-task, team player, growth mindset.
- **BioTalent Modules** Oct. 2024
Communication, Collaboration, Writing, Reading, and Numeracy Fundamentals
- **Good Manufacturing Practices** for Drug Products May 2024

RELEVANT EXPERIENCE

Sales Associate

Oct. 2024 – Present

Wheel Walkers

- Attending conferences and events to supply mobility devices and provide expert guidance on various devices, such as power chairs and wheelchairs, to help customers make informed purchasing decisions and ensure a seamless shopping experience.

Customer Service Representative

Nov. 2021 – Aug. 2024

City of Ottawa

- Provided exceptional service by greeting clients and directing them to appropriate resources, enhancing overall client satisfaction.
- Coordinated reception and administrative tasks, including program registration and payment processing, improving operational efficiency.

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[LinkedIn](#)

- Addressed client inquiries in person and over the phone, resolving issues promptly and overseeing subsidy requests.

Quality Assurance/Manufacturing

Dec. 2023 – June 2024

Holy Land Traditional Medications Inc.

- Developed standard operating procedures (SOPs), ensuring compliance with regulatory standards.
- Conducted thorough inspections, verifying product formulation and labelling to uphold GMP compliance.
- Operated specialized equipment during manufacturing processes.

Pharmacy Assistant

Sept. 2023 – May 2024

Sobeys Pharmacy

- Accurately filled and dispensed prescriptions while maintaining strict adherence to regulatory guidelines.
- Managed inventory processes, including drug ordering and receiving, ensuring stock availability.
- Created patient profiles and facilitated insurance billing for private and public plans.

Collection Support Unit Operator

Mar. 2021 – Nov. 2021

Statistics Canada

- Delivered high-quality customer service over the phone, addressing census inquiries with professionalism and efficiency.
- Categorized data and submitted service requests, contributing to the timely completion of census operations.

VOLUNTEER EXPERIENCE

SynBio Canada

Oct. 2024

Ontario Genomics

- Performed notetaking and registration desk duties, facilitating smooth participant check-in and documenting key discussions during conference panels.

Harm Reduction Team

Sept. 2023

Ottawa Public Health

- Developed and distributed harm reduction packages in various facilities, with essential tools to safely use drugs and prevent the spread of infectious diseases.

Laboratory Assistant

Mar. 2021 – May 2021

University of Ottawa

- Assisted graduate student on field experiment project focused on cavity-nesting bees.

Patient Coordinator

June 2019 – Aug. 2019

The Ottawa Hospital – Riverside Campus

Ida Fazeli

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- Managing appointments and patient check-ins, coordinated porter assistance, contributing to improved patient care and satisfaction.

JESSICA MARCHESAN

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647-546-6601

[LinkedIn](#)

CAREER OBJECTIVE

Highly motivated individual looking to leverage my background in science and business the pharmaceutical and medical biotechnology industries. I am seeking an entry level role on the commercial side of the business, specifically marketing and sales, regulatory affairs, or post-market surveillance. I am eager to use my communication and teamwork skills to contribute to the development and distribution of innovative healthcare solutions.

EDUCATION

Master of Biotechnology Management | 2024 – 2026

York University, Markham, Ontario

- Currently working towards completion of a Master of Biotechnology Management degree and a Graduate Diploma in Management.

Honours Bachelor of Science, Biology (Research) | 2019 – 2023

McMaster University, Hamilton, Ontario

- Graduated with the highest distinction, Summa Cum Laude, with a 3.7 GPA

Senior Thesis: "When and how does habitat fragmentation affect richness? A peek through a metacommunity lens"

- Combined research and dry lab data collection skills to investigate the impacts of habitat fragmentation on species dynamics, informing the authorship of the scientific review *Habitat Fragmentation Affects Richness – A View Through a Metacommunity Lens*.

RELEVANT EXPERIENCE

Accounts Receivable | March 2024 – August 2024

Mackenzie Medical Rehabilitation Centre, Woodbridge, Ontario

- Monitored invoices through HCAI and communicated with insurance adjusters, providing justifications for denied invoices to facilitate payment collection.
- Inspected all customer accounts for four clinic locations monthly, to identify and resolve any outstanding invoices.
- Calculated Extended Health Care payments and applied cheques to balance customer accounts.

Online Classroom Moderator | 2020 – 2024

Mathnasium, Toronto, Ontario

- Taught fundamental math concepts to students in grades 1-12 using various concepts and strategies and provided comprehensive feedback for growth.
- Trained new employees, creating competent and personable team members to provide high quality service.
- Managed student Learning Plans and assigned and marked assessments with accuracy.

Family Room Volunteer | Fall 2022 – Spring 2023

Ronald McDonald House Charities, Hamilton, Ontario

- Managed a family room within the McMaster Children's Hospital to provide efficient care for family members and patients.
- Created a positive, safe, and enthusiastic environment for the volunteer team and guests.

Office Assistant | Summer 2018 & 2019

Finica Food Specialties, Mississauga, Ontario

- Organized and filed product specifications, labels for 290+ food products for CFIA records.

JESSICA MARCHESAN

Kleinburg, Ontario
jessmarchesan@gmail.com

647-546-6601

[LinkedIn](#)

- Conducted product research and gathered supplier food safety certificates to be used by sales associates.

CERTIFICATIONS AND RELEVANT TRAINING

Proficient in Microsoft Office 365

BioTalent Canada Certifications

- Collaboration Fundamentals
- Communication Fundamentals
- Writing Fundamentals
- Reading Fundamentals
- Numeracy Fundamentals

Specialized Training by CASTL

- Overview of Bioprocessing with a Virtual Facility Tour

LOVELEEN DATTA

Toronto, Ontario

Loveleendatta@gmail.com

647-864-6978

CAREER OBJECTIVE

As a professional with a diverse foundation in biotechnology, research, healthcare, and management, complemented by leadership and customer service experience, I am committed to advancing the fields of Molecular and Pharmaceutical Biotechnology. I bring adaptability and a broad skill set, enabling me to excel in varied roles within these fields. My practical experience in wet lab research and strong technical skills equip me to thrive in areas like Regulatory Affairs, R&D, Clinical Trials, and Manufacturing & Quality Control while remaining versatile across other sectors of Biotechnology to drive impactful results and foster innovation.

EDUCATION

Master of Biotechnology Management (MBM) | 2024- Expected 2026

With Graduate Diploma in Management

York University, Markham, Ontario

Biotechnology Coursework- R&D in Biotechnology, Lab courses, Data Analysis, Product Development and Commercialization in Biotechnology, among others.

Management coursework- Information Systems, Manufacturing & Service Operations, Financial & Management Accounting, Law & Corporate Governance among others.

Bachelor of Science, Biology (Specialized Honours Biotechnology) | 2020-2024

York University, Toronto, Ontario

Relevant Coursework- Proficient in Molecular Biology, Biotechnology, Biochemistry, and Analytical Chemistry with expertise in CRISPR, PCR, Gel Electrophoresis, and protein purification, among others.

Research Experience:

- Honours thesis on "Probing the Molecular Basis of the AIDA 1b PTB Domain Autoinhibition" related to Alzheimer's Disease, achieving a grade of A, conducting gene expression, deletion mutations, protein purification and domain interaction analysis studies.
- Troubleshooting experiments to refine techniques and optimize protocols, specializing in protein purification using FPLC, Ni-NTA, and GST, with a strong focus on data analysis and compliance with lab safety standards.

RELEVANT EXPERIENCE

Mask Fit Tester, Occupation Health & Safety | Feb 2024 –present

Mount Sinai Hospital, Toronto, Ontario

- Conducting personalized N95 fit testing & training sessions for employees to ensure the proper functioning of respiratory protective equipment and compliance with safety standards.
- Coordinating testing logistics and meticulous record-keeping, streamlining operations and efficient data management with weekly stats and compliance reports, demonstrating a commitment to rigorous safety standards.
- Representing the safety department at orientations and contributing insights in weekly staff meetings, promoting workplace safety and fostering a culture of safety awareness.

LOVELEEN DATTA

Toronto, Ontario

Loveleendatta@gmail.com

647-864-6978

Designated Safety Inspector, Joint Health & Safety Committee | Feb 2024 –present

Mount Sinai Hospital, Toronto, Ontario

- Conducting thorough workplace safety inspections to identify and rectify safety hazards, ensuring compliance with safety standards, providing recommendations for employee safety.
- Compiling detailed safety inspection reports for department managers, ensuring prompt follow-up in addressing their concerns, and collecting feedback on employee safety concerns to reinforce a responsive safety culture.

Supervisor, Health & Safety Coordinator | Seasonal, May 2024 –August 2024

Fruit & Bean Cafe, Toronto, Ontario

- Supervised cafe operations, led a team of baristas, ensuring high-quality service and compliance with health and safety standards, boosting customer satisfaction while fostering a secure environment through regular safety inspections and staff training.
- Communicated safety reports to management, highlighting findings and ensuring prompt action on safety concerns while assisting with barista duties to exemplify a commitment to quality service and modelling best practices for the team.

Care Support Assistant, Sienna Care Long-term Care Home | January 2021 –May 2021

Fountainview Care Community, Toronto, Ontario

- Provided essential care and support to residents during the COVID-19 pandemic, assisting with daily tasks and personal care, implementing strict infection control measures, facilitating virtual communication with family to address unique needs amid isolation and anxiety.
- Navigated the complexities of a short-staffed environment amid the pandemic, quickly adapting to changing protocols to ensure the safety and well-being of residents under pressure.

AWARDS & TRAINING

Medtech Conference 2024 |Biotalent Bioeconomy Fundamentals| WHMIS I, II| Biosafety Hazard Training| Chemical Handling Safety Training| Compressed Gas Cylinder Safety Training| Palliative Care Core Training| Undergraduate Science Entry Scholarship.

ADDITIONAL INFORMATION

Work Integrated Learning Classroom Project | September 2024 –December 2024

Dalton Pharmaceuticals Project Management Challenge

- Collaborating on a team-based pharmaceutical industry project to develop a phased construction plan integrating upgrades, minimizing impacts on drug production, analyzing risk factors and proposing contingency measures to stay within budget and timeline expectations.

Volunteer Coordinator | September 2022 –May 2023

Stem Cell Club, York University, Toronto, Ontario

- Coordinated volunteer activities and managed a team to ensure the successful execution of events, outreach programs and initiatives while adapting to evolving circumstances.
- Led recruitment efforts for new volunteers, maintaining accurate records of participation to foster community engagement and collaboration in STEM initiatives.

Lucy Bassman

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(226)-501-7166

CAREER OBJECTIVE

Aspiring to contribute to the advancement of the pharmaceutical biotechnology or nanobiotechnology sectors with a focus on Research and Development, Policy and Governance, and Process Development. I am seeking to leverage my skills and knowledge to drive innovation, enhance regulatory frameworks, and optimize processes within these dynamic industries.

EDUCATION

Master of Biotechnology Management | 2024 – expected 2026

York University, Markham, ON

Bachelor of Science, Honours Nanoscience | 2018-2023

University of Guelph, Guelph, ON

- Awarded \$1,000 third year nanoscience scholarship for highest cumulative average
- Graduated with distinction with GPA exceeding 80%

Relevant course: Biological Nanomaterials

- Presented topics such as peptide biosensors for cancer detection and DNA hybridization via inductive coupling, gaining extensive research and presentation skills
- Wrote a research proposal for novel cancer treatment involving hyperthermia and magnetic fields induced with silver nanowires, advancing written communication skills

Relevant course: Clinical Applications of Physics in Medicine

- Applied knowledge of radiation physics and programming to relevant medical scenarios including coding graphical depictions of x-ray spectrums, refining Python skills
- Presented thorough research on Boron Neutron Capture Therapy as an emerging treatment for cancer, further developing hard skills and clinical knowledge

RELEVANT EXPERIENCE

Research Co-op Student | May 2021 – August 2021

Centre for Addiction and Mental Health; Kimel Lab, Toronto, ON

- Developed a program using Python and R to interpret and convert functional MRI data from trials into brain gradients, gaining significant experience with clinical trials and programming
- Co-Author on “Multivariate Association between Functional Connectivity Gradients and Cognition in Schizophrenia Spectrum Disorders” published in Biological Psychiatry: CNNI in 2024
- Performed quality control analysis on hundreds of MRI images to improve trial accuracy and efficiency, exhibiting attention to detail and competence with large data sets

Volunteer – Executive Producer | January 2018 – May 2018

TEDxYouth@Guelph, Guelph, ON

- Managed the acquisition and coordination of 10 speakers for TEDx event, demonstrating skills for management of human resources and event production
- Headed ticket sales leading to selling out event to capacity, exhibiting marketing skills and event coordination

MARISOL MAYA JOHN

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CAREER OBJECTIVE

Passionate and driven professional interested in Industrial Food and Agricultural Biotechnology. Enthusiastic about championing bioeconomy sustainability challenges of developing nations with the application of first world science and technology. Open to exploring areas of process development/consultancy, quality control and R&D.

EDUCATION

Master of Biotechnology Management | 2024 – expected 2026

York University, Markham, Ontario

- CEWIL grant Project: Engaged in industry consultation with Bioactive protein company *Liven* to develop a framework for integrating AI in peptide discovery and screening. The framework will guide the selection of bone health proteins for precision fermentation.
- Acquired a strong understanding of Strategic Planning, Accounting, Information Systems and Public Sector policy management

Honours Bachelor of Biotechnology | 2020 – 2024

York University, North York, Ontario

- Graduating cumulative GPA 3.5/4.0

Relevant project: *Honors Thesis “Exploring antioxidative, anti-inflammatory, antimicrobial, and antiviral properties of bioactive molecules of Zingiber officinale for potential therapeutic applications targeting respiratory diseases.” (2024)*

- Extensive paper reviews and critical analysis were conducted and developed strong written communication skills. Oral presentation skills were enhanced by defending research conducted before a professional panel.

Relevant courses:

- Microbiology (A+): Applied microscopy, antibiotic resistance testing and aseptic cell culturing/isolation techniques in bi-weekly laboratory experiments.
- Biotechnology (A+): Gained hands-on experience with industry-relevant biotech applications and mastered molecular techniques, including DNA extraction, PCR, and gel electrophoresis, with bi-weekly analysis and reporting of experimental results.

RELEVANT EXPERIENCE

Lab Technician intern | June 2023 – August 2023

Adam’s Medical Laboratory, Roseau, Dominica

- Demonstrated the ability to learn quickly and work in a fast-paced environment by undergoing rigorous training in hematology, immunology, serology and microbiology related diagnostic tests.
- Applied stellar customer service skills by welcoming and assisting clients, implementing active listening skills and being amiable.

Community Engagement/House Don | August 2023 – current

York University – Residence Life, North York, Ontario

- Demonstrated exceptional leadership by mentoring a team of 8 students to plan creative engagement activities for on-campus residence community.
- Promoted to the sole position of House Don at the Markham Campus based on high residence engagement and positive feedback received from supervisors who highly praised innovation and initiatives taken.

Assistant Manager | April 2020 – August 2023

St Georges Dental Clinic, Roseau, Dominica

- Transformed HR and business processes through strategic training, enhancing hiring, contracts, team building, and office operations.
- Boosted office efficiency by digitizing bookings, payroll, and inventory, and provided timely weekly updates to management.

SynBio Conference (volunteer) | October 2024

Ontario Genomics, Toronto, Ontario

- Demonstrated leadership and flexibility by assisting with attendee registration, note taking and event logistics
- Personally commended by volunteer coordinator and other employees of Ontario Genomics for being very helpful, accommodating and displaying strong relational skills

Faculty of Science Student Ambassador (volunteer) | 2023 - 2024

York University, North York, Ontario

- Improved interpersonal relationship skills by promoting Science Programs to potential students/parents at the Ontario University Fair and York's Fall Campus Day.
- Improved communication and networking skills by actively participating in Faculty of Science workshops and guest lectures.

AWARDS AND TRAINING

CASTL Overview of Bioprocessing -CASTL, Montreal, Quebec	2024
BioTalent Certificate of completion – BioTalent, virtual	2024
Workplace Hazardous Materials Information System (WHMIS) training	2024
Dr Wendell MacLeod Award , York University, Toronto, Ontario	2023
SafeTALK training , Residence life – York University, Toronto, Ontario	2023
First AID/CPR & AED training , Lifesaving Society, Toronto, Ontario	2023
Strategic planning & management training , University of the West Indies, Dominica	2019
National Ambassador - Miss Dominica 2019 , Ministry of Tourism, Dominica	2019

ADDITIONAL INFORMATION

Microsoft suite skills: Proficient in Word document preparation, Excel, VBA, PowerPoint

Intermediate graphic design skills: Excellent capabilities in designing promotional material, social media posts and infographics using BioRender and Canva applications.

Languages: Intermediate Spanish, Beginner French (currently taking lessons)

Michael El-Tawil

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CAREER OBJECTIVE

As a motivated student interested in Cell and Gene Therapy and Pharmaceutical Biotechnology, I aim to contribute to innovative healthcare solutions. I am particularly focused on Project Management and Research & Development (R&D), where I can apply my skills to drive projects and collaborate with multidisciplinary teams to advance medical therapies.

EDUCATION

Masters of Biotechnology Management | 2024 – 2026

York University, Toronto, ON

- Member of the inaugural class of students in the Masters of Biotechnology Management program
- **Relevant Coursework:** Introduction to Biotechnology Practices, Science Communication, Management Information Systems, and Manufacturing and Service Operations Management

Honours Bachelor of Science degree in Biology | 2020 – 2024

University of Toronto, Toronto, ON

- **Major:** Biology Specialist with a focus on Cell biology and Neuroscience
- **Relevant Coursework:** Modern Biotechnology, Biometrics, and Laboratory in Cell and Molecular Biology
- Awarded University of Toronto Entrance Scholarship based on academic excellence
- Graduated with Distinction

RELEVANT EXPERIENCE

Online Sales Manager | Apr 2024 – Present

Liberty Care Mobility Inc., Mississauga, ON

- Launched and managed the company's online sales across various online marketplaces including Amazon.com and the company's own E-Commerce website
- Created online listings for a variety of medical and home health care devices with sales exceeding \$30,000 in the first month
- Organized the importing and shipping of goods across Canada and the USA
- Assisted customers with questions regarding specific medical devices and oversaw all customer service matters

Mentor | Sept 2023 – Apr 2024

Erindale Biology Society, Mississauga, ON

- Mentored two first-year biology students and helped them navigate their undergraduate career
- Hosted weekly sessions with mentees and aided in facilitating their individual successes
- Advised mentees on course selection, networking strategies, and helpful study methods

Michael El-Tawil

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Study Group Facilitator | Sept 2023 – Apr 2024

Robert Gillespie Academic Skills Centre, Mississauga, ON

- Hosted weekly study groups for students enrolled in Introductory Animal Physiology (BIO202) and Human Anatomy and Physiology (BIO209)
- Created engaging activities to ensure the student's retention of course material
- Assisted students in preparing for examinations and provided them with study materials

Marketing Lead | Jan 2022 – Apr 2024

BioTEC Biotechnology and Bioengineering Conference, Toronto, ON

- Informed students across Canada and the USA about the events and opportunities that BioTEC hosts
- Organized promotional campaigns using social media and email which led to the registration of over 300 in-person attendees and over 1000 online attendees
- Formed cross-promotional partnerships with other organizations to increase brand awareness
- Assisted in organizing events and panels hosted by various biotechnology executives and academics from across Canada and the USA

Web Development Intern | Apr 2021 – Sept 2021

Medics Mobility Inc., Mississauga, ON

- Created and edited over 2000 online medical device product pages resulting in increased product availability for customers
- Resolved technical issues that customers faced when accessing the website which allowed those with limited technical knowledge to easily access product pages
- Summarized, analyzed, and reported customer shopping trends which influenced marketing strategies and the website design

ADDITIONAL INFORMATION

Proficient in Microsoft Office: Extensive experience using Microsoft Word, Excel, and PowerPoint, including advanced Excel functions and VBA.

Standard First Aid – CPR-C & AED: Trained in adult and child resuscitation, wound care, eye injury care, burn care, etc.

Dry and Wet Lab Skills: Dry lab skills include proficiency in the programming language R, and some experience in Python. Wet lab skills acquired through various lab courses include PCR, CRISPR-Cas9, Immunohistochemistry, and Biosafety practices.

BioTalent Certification: Completed online BioTalent courses in: Collaboration Fundamentals, Communication Fundamentals, Numeracy Fundamentals, Writing Fundamentals, and Reading Fundamentals.

LANGUAGES

English: Native Proficiency

Arabic: Limited Working Proficiency

PRISCILLA NAA ADJEI

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CAREER OBJECTIVE

A Master of Biotechnology Management student, with a passion for the Pharmaceutical and Industrial Biotechnology sector. Possess strong people skills, solid work ethics, and a keen ability to learn and adapt to changes. I am currently seeking opportunities in R&D, Manufacturing and, or Quality Control to leverage my skills to make a meaningful impact.

EDUCATION

Master of Biotechnology Management
York University, Markham, ON

expected May 2026

Relevant Courses: Introduction to Biotechnology Practices

- Gained an understanding of technical methods relevant in Biotechnology sectors which include Genetic engineering, Polymerase Chain Reaction, Molecular Cloning, Gel Electrophoresis and Protein Expression and Purification.
- Received virtual training with CASTL on Bioprocessing, GMP and steps from upstream to downstream in manufacturing biomolecules.

CEWIL PROJECT: AI in Clinical Trials - A study on Safety and Efficacy. SANOFI.

Organizational Behavior

- Acquired a deeper comprehension on factors influencing individual and group behavior and performance in organizations such as Perception, Personality, Emotions, Effects of Leadership Styles on followers Attitudes, Job Satisfaction, Job commitment, Trust and Motivation, and ways to Communicate and Manage Conflicts effectively.

Self- Reflection paper: How my strengths and experiences will help shape my future Leadership styles.

Manufacturing and Service Operation Management

- Developed an insight into the application of key operational concepts used in supply chain which included Excel functions and VBA for data analysis.

Bachelor of Science, Honors in Biochemistry

2015- 2019

Kwame Nkrumah University of Science and Technology, Kumasi, GH

Determination of Sodium, Potassium, Magnesium, and Calcium Contents in Restaurant Vended Lunch Meals on KNUST Campus: A Hypertensive Study.

Summary: Sodium, Magnesium, Calcium and Potassium are key minerals emphasized in Dietary Approaches to Stop Hypertension (DASH Diet). Excessive or inadequate amounts of key nutrients pose deleterious health effects particularly cardiovascular diseases.

- Determined mineral contents in lunch meals commonly patronized by university community
- Employed Random selection, Wet digestion, and Atomic Absorption Spectrophotometry to address bias, obtain sample and extrapolate results respectively.
- Compared results against Recommended Dietary Allowance (RDA) for each mineral per 100g food sample.

RELEVANT EXPERIENCE

Care Support Assistant

Chartwell Retirement Residences

Oakville & Scarborough, ON

2023-Current

- Provide compassionate care by assisting residents with daily living activities such as bathing, dressing, toileting, and ambulation, ensuring comfort and dignity in their daily routines.
- Maintain cleanliness and safety in resident suites and common areas, promoting a hygienic environment crucial for health and infection control.
- Conduct maintenance checks, including unclogging toilets and replacing lightbulbs, ensuring a safe and functional living space for residents, while promoting customer satisfaction.
- Manage laundry services with personalized care for residents' clothing, demonstrating attention to detail and respect for individual needs.

PRISCILLA NAA ADJEI

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Service Personnel

CSIR– Food Research Institute

Accra, GH

2019 - 2020

- Conducted HPLC analyses of Aflatoxins (B1, B2, G1, G2 & M1), Ochratoxin A, Patulin, and Vitamins A & E in food samples, ensuring accurate results for quality control.
- Managed sample reception forms, technical reports, result sheets, and chromatograms on a rotation basis for audit purposes, ensuring thorough documentation and traceability.
- Collaborated with team mates to revise the Standard Operating Procedure (SOP) for Vitamin A analysis, streamlining laboratory processes.
- Maintained adherence to ISO/IEC 17025 standards in laboratory practices, promoting quality and reliability in testing procedures.

Intern

Noguchi Memorial Institute for Medical Research

Accra, GH

2017

- Extracted DNA from swab samples to analyse *Mycobacterium ulcerans* (Buruli Ulcer) using conventional PCR and Agarose Gel electrophoresis, contributing to public health research.
- Complied with accredited laboratory standards, maintaining high-quality testing practices.
- Prepared buffers and gels for electrophoresis, streamlining experimental workflows and supporting accurate results.

Intern

CSIR– Food Research Institute

Accra, GH

2016

- Oversaw the disinfection of laboratory and working surfaces, ensuring a safe and sterile environment.
- Collaborated with technicians in the field to conduct inspections and collect samples from companies, ensuring adherence to safety and quality protocols throughout the manufacturing process.
- Prepared culture media for microbial growth, facilitating accurate testing and analysis.
- Operated an autoclave for decontaminating and sterilizing test plates, maintaining laboratory safety standards.

TRAINING & CERTIFICATIONS

- SynBio and MedTech conferences, Toronto, ON 2024
- BioTalent Training Modules 2024
- **Standard First Aid / CPR & AED Level C Certification**, Toronto, ON 2023 -2026
- **Basic Microbiology, Record of Achievement**, Online Training, WHO 2020
- **Infection, Prevention and Control (IPC) for Novel Coronavirus (COVID-19)** Confirmation of Participation; WHO 2020
- **Introduction to Clinical Research**, Certificate of Merit; Global Health Network 2020

ADDITIONAL INFORMATION

- **Computational skills:** MS Office 365, Agilent CDS Software, VBA
- **Technical skills:** PCR, Gel Electrophoresis, DNA Extraction
- **Languages:** English fluency, GA and Twi, learning Spanish as a hobby.
- **Interests:** cooking, singing and reading novels

Qiman LI (Alice)

Markham, ON
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CAREER OBJECTIVE

A first-year master's student with a strong interest in molecular biotechnology and gene therapy, seeking for an internship opportunity in the summer of 2015. Having one year of lab experience in single-cell analysis and participating in an extra-curricular butterfly survey program. Open-minded, capable of quickly adapting to new environments, and managing time to handle multiple tasks. Also interested in manufacturing and quality control, R&D, and post-market surveillance.

EDUCATION

Master of Biotechnology Management | Sep 2024 – Expected Dec 2025
York University, Markham, ON

- Obtained the latest knowledge and practical skills in the biotechnology field, learned organizational management theories and developed skills required in the management field, such as accounting and marketing

Bachelor of Science in Biochemistry and Cell Biology | Sep 2019 – Jul 2023
Hong Kong University of Science and Technology, Hong Kong

- GPA: 3.348/4.3 (B+)
- Understood the underlying mechanism of cell metabolism at the molecular level, learned and practiced necessary skills in the biological research field, including wet-lab techniques, data analysis, and experiment design

RELEVANT EXPERIENCE

Undergraduate Research Project – Final Year Project | Aug 2022 – Jul 2023
Hong Kong University of Science and Technology, Hong Kong

- Optimized the barcode extension method to produce high-quality barcode beads for droplet-based single-cell analysis based on my understanding of the underlying principle of the barcode synthesis process
- Obtained training to understand the principle of single-cell analysis and learned how to process the raw data
- Participated in barcode bead synthesis, quality control, and library preparation, thus practiced and improved wet lab skills

The 18th Fung Yuen Butterfly Reserve Butterfly Baseline Survey Program for Tertiary Students | Oct 2021 – Jan 2022

Fung Yuen Nature and Culture Academy Fung Yuen Butterfly Reserve Environmental Association, Hong Kong

Qiman LI (Alice)

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- Participated in a field survey to record the population and distribution of butterflies in natural reserves in Hong Kong, also learned about the classification of butterfly species and related habitats
- Volunteered as a guide to introduce part of a butterfly habitat at the Fung Yuen Butterfly Festival, including a basic knowledge of the classification and characteristics of butterflies, their habitat, plants, and habitat conservation

IBO Hong Kong Contest 2021 Student Helper |

Oct, 2021

The International Biology Olympiad – Hong Kong Contest

- Helped with online invigilation, handling inquiries, and solving technical problems to ensure everything ran smoothly

AWARDS AND TRAINING

Biotalent courses

2024-2025

- Courses completed: Reading Fundamental, Writing Fundamental, Numeracy Fundamentals, Collaboration Fundamentals, Communication Fundamentals

JUPAS Scholarship 2019/20, HKUST, Hong Kong

2019

ADDITIONAL INFORMATION

Computer skills: MS office and VBA, R studio, Plasmid Editor, Image J, Python, Java

Languages: English, Chinese

Rebecca Lopes

Toronto, Ontario
6rlopes@gmail.com

(416) 659-4129

[LinkedIn: Rebecca Lopes](#)

CAREER OBJECTIVE

As a student in the Master of Biotechnology Management program at York University, I am eager to leverage my academic background and industry experience to pursue a career in the dynamic fields of pharmaceutical or medical biotechnology. With a passion for both science and technology, my goal is to contribute to advancements in these sectors through focused efforts in R&D, process development, and clinical trial research.

EDUCATION

Master of Biotechnology Management | 2024 – 2026

York University, Markham, Ontario

- Learning about various biotechnological practices and theories, with additional graduate level management courses relevant for future work opportunities in the biotechnology industry.
- Will be able to extend my knowledge and skills through a paid work placement and an experiential biotechnology management capstone project.

Specialized Honours Biochemistry, B.Sc. | 2019 – 2024

York University, Toronto, Ontario

- USPORTS Academic All-Canadian - maintaining a minimum 3.67 GPA while competing as a varsity athlete at the national level.

Undergraduate Thesis Project (BCHM4000) – Wilson Lab, York University

- Researched methods to limit phospholipid detection by mass spectrometry for possible further research in nanodisc applications.
- Developed skills in performing mass spectrometry analyses and enhanced many biochemistry-based lab techniques including protein expression, protein purification, affinity chromatography, SDS-PAGE, and size exclusion chromatography.
- Worked within a team to achieve experimental results and presented research findings in a group setting.

RELEVANT EXPERIENCE

Biochemical Analysis and Laboratory Logistics Co-op | May 2023 – Apr 2024

Sanofi, Toronto, Ontario

- Performed biochemical techniques such as SDS-PAGE, BCA and Glycerol Assays, pH testing, and helped with buffer preparations for various stages of the vaccine lifecycle.
- Contributed to the Global Quality Audit as a document runner and Subject Matter Expert (SME).
- Gained experience and earned certifications working in a GMP environment.
- Was responsible for the receipt, shipping, and accurate documentation of GMP samples and reagents delivered to the R&D laboratories.
- Volunteered and helped organize company-wide events such as the BBQ Soccer Cup, and the co-op lunch and learn speaker series.

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Student Peer Mentor | Sep 2023 – Apr 2023

York University, Toronto, Ontario

- Mentored first year student athletes in their transition from high school to university.
- Demonstrated ability to successfully work with others and lead a team of student athletes to excel inside and outside the classroom setting.
- Developed and implemented effective weekly study hall and tutoring sessions.
- Awarded mentor of the month twice, voted by the first-year students.

EPIC Health Information System Support | May 2022 – Aug 2022

University Health Network (UHN) – Toronto Western Hospital, Toronto, Ontario

- Assisted primary health care providers in charting their daily tasks via the newly implemented EPIC software program.
- Demonstrated ability to successfully work well and communicate with healthcare professionals.
- Handled complex problems and provided highly innovative and creative solutions in stressful situations within the hospital.
- Proficient in EpicCare inpatient software.

Content Development Project Coordinator | May 2021 – Aug 2021

Innunco Academy, Toronto, Ontario

- Responsible for the curriculum development of 3 private online university courses.
- Entrusted to teach students grade 10, 11, 12 English, Physics, and Biology.
- Demonstrated ability to successfully work with others in a team environment.
- Organized schedules and completed every project within the required task timeline.

Youth Hockey Coach | Sep 2015 – Present

Etobicoke Dolphins Girls Hockey Association, North York Storm Girls Hockey Association, Hockey Education Reaching Out Society (HEROS)

- Guided and taught players aged 4 through 16, from beginner level to high-performance athletes, about the game of hockey.
- Provided encouragement and guidance during private lessons, practices, and games for highly competitive teams.
- Currently volunteering with the HEROS organization with the goal of allowing marginalized youth the opportunity to experience the game of hockey.

RINA MESFIN

Toronto, ON (705) 933-4529 | rinames@yorku.ca | [LinkedIn](#)

CAREER OBJECTIVE

Master's student in Biotechnology Management with a focus on advancing innovative biotechnology solutions from research to marketing. Passionate to contribute to sectors of Medical Biotechnology, and Cell and Gene Therapy. Strongly interested in areas of Research and Development, Process Development, and Clinical Trials Management.

EDUCATION

Master of Biotechnology Management | Expected Completion: 2026

York University, Markham, ON

Relevant Course: Biological Modules

- Completed 5 BioTalent courses acquiring foundations in essentials skills of Collaboration, Communication, Numeracy, Reading, and Writing fundamentals

Relevant Project: AI in Clinical Trials

- Developed extensive research report to examine the current use of AI solutions in clinical trials.
- Analyzed and compared effectiveness of current AI applications in large pharmaceutical companies vs. start-up pharmaceutical companies
- Examined in-depth implementations of AI solution in improving the safety of clinical trials

Bachelor of Science: Honours in Biomedical Science | 2023

Trent University, Peterborough, ON

- Awarded the Dean's Honour List for the academic years of 2020-2021 and 2021-2022

RELEVANT EXPERIENCE

Invision Eyecare, Clinical Placement Student | October 2022 – April 2023

Peterborough, ON

- Performed over 50 optical coherence tomography exams and other diagnostic procedures ensuring accurate and efficient patient assessments
- Conducted visual field testing, ocular photography, and data collection using advanced diagnostic tools.
- Collaborated with optometrists to apply knowledge of physiology and pharmacology in clinical practices, supporting patient care and data management
- Contributed to a 15% improvement in patient flow efficiency by optimizing exam procedures and supporting staff coordination

New Canadians Centre, Communication/ Medical Interpreter | August 2023 – August 2024

Peterborough, ON

- Provided interpretation services between English, Amharic, and Tigrinya, facilitating clear communication across diverse contexts, including healthcare, social services, and community support
- Collaborated with healthcare professionals to bridge cultural and language gaps, enhancing patient comprehension and adherence to care plans

Invision Eyecare, Clinical Placement Student | October 2022 – April 2023

Peterborough, ON

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- Collaborated with optometrists to apply knowledge of physiology and pharmacology in clinical practices, supporting patient care and data management
- Contributed to a 15% improvement in patient flow efficiency by optimizing exam procedures and supporting staff coordination

H&M, Sales Associate | August 2022 – August 2024

Peterborough, ON

- Developed strong customer engagement, increasing customer satisfaction and resulting in 70% registration to the company's loyalty program
- Adapted to a dynamic retail environment, maintaining high product knowledge and assisting customers efficiently

CERTIFICATIONS

- | | |
|--|-------------|
| ➤ BioReady Training , BioTalent, Canada | 2024 |
| ➤ Product Management , Building a Product Strategy, LinkedIn Learning | 2024 |
| ➤ Comprehensive WHMIS Certification | 2022 |

ROHAN REVOORI

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416-528-1764

[LinkedIn](#)

CAREER OBJECTIVE

I am particularly interested in the sectors of Pharmaceutical Biotechnology and Medical Device Technology, where I can contribute to innovative healthcare solutions. My focus areas include Clinical Trials, ensuring the efficacy and safety of new products, Marketing and Sales, where I can help communicate the value of cutting-edge technologies, and Process Development, optimizing workflows to bring new treatments and devices to market efficiently.

EDUCATION

Master of Biotechnology Management | 2024– 2026

York University, Markham, ON

Honours Bachelor of Science, Biology Specialist | 2020– 2024

University of Toronto, Mississauga, ON

Accomplishments: Dean's List (2021-2024) | CGPA: 3.86/4.00

RELEVANT EXPERIENCE

Project Management Challenge | September 2024 – December 2024

Dalton Pharma Services, North York, ON

- Developed a phased project plan for a \$20 million Water for Injection (WFI) system upgrade, minimizing operational disruptions and ensuring regulatory compliance, which strengthened project planning and time management skills.
- Researched and assessed WFI components aligning system upgrades with pharmaceutical standards, enhancing regulatory knowledge and technical analysis skills.
- Implemented risk management strategies by coordinating downtime schedules and upscaling production to maintain supply, which improved risk assessment, problem-solving, and contingency planning skills.

Vice President of Finance | September 2023 – April 2024

Compassionate Connections, University of Toronto, Mississauga, ON

- Led two fundraising events for Doctors Without Borders, overseeing budgeting, sponsorships, and event execution, which strengthened project management and financial skills.
- Secured \$1000 in local sponsorships through direct negotiations with business owners, enhancing negotiation and partnership-building abilities.
- Managed financial operations and engaged with stakeholders*, improving skills in financial software, teamwork, and customer service by addressing sponsors' and attendees' needs effectively.

ROHAN REVOORI

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Literature Review Internship | September 2023 – March 2024

Leslie Dan Faculty of Pharmacy, University of Toronto, Toronto, ON

- Conducted an extensive literature review on SARS-CoV-2 developing skills in data synthesis.
- Synthesized findings from peer-reviewed journals, global health reports, and clinical trial databases, improving skills in communication of scientific data.
- Went through 100+ research papers on SARS-CoV-2, and final version consisted of 25 papers in total.
- Revised sections of the paper boosting scientific writing, and ensured clarity, accuracy, and coherence of paragraphs enhancing capacity to manage time and write scientific literature.

Clinical Administrative Volunteer | August 2022 – December 2022

St. George Medical Centre, Brampton, ON

- Provided patient assistance by handling navigation, phone inquiries, and clinic information, enhancing interpersonal and customer service skills through effective communication with patients, staff, and volunteers.
- Supported clinic operations by organizing medical equipment, restocking supplies, and maintaining medication inventory, which strengthened organization skills.
- Managed patient transactions by preparing doses, operating cash registers, and processing payments, further developing accuracy and customer service abilities.

Field Research Project Internship | May 2022 – September 2022

University of Toronto, Mississauga, ON

- Coordinated with various workers, peers, to set up the camera traps, capturing coyote movement data in urban and rural environments and using navigation devices to locate the camera traps, gaining teamwork and leadership skills.
- Captured 15,000 photos in total, filtered them to 3000 pictures using Microsoft Megadetector gaining new computer skills.
- Used R language and Microsoft Office Suite to analyse the data, enhancing data analysis capabilities.
- Formulated research questions and summarized the results in a research paper presented at a research symposium enhancing public speaking and active listening.

AWARDS AND TRAINING

Writing Fundamentals , BioTalent	2024
Numeracy Fundamentals , BioTalent	2024
Collaboration Fundamentals , BioTalent	2024
Communication Fundamentals , BioTalent	2024
R Language training , University of Toronto, Mississauga, ON	2022
Dean's list , University of Toronto, Mississauga, ON	2019-2024

Shivangi Chandna

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416-938-1949

[LinkedIn URL](#)

CAREER OBJECTIVE

Biotechnology Management master's student seeking to contribute and apply knowledge in bioinformatics and industrial bioprocessing. Passionate about contributing to Drug Development, Regulatory Affairs, and Process Development within the pharmaceutical sector. Dedicated to driving innovation and eager to gain hands-on experience to make a meaningful impact in the biotechnology field.

EDUCATION

Master of Biotechnology Management | 2024 – Expected 2026

York University, Markham, ON

Work-Integrated Learning Project Management Challenge: *Integrating an Aseptic Isolator and Managing Facility Upgrades at Dalton Pharmaceuticals*

- Designed a detailed project plan for implementing complex infrastructure upgrades at Dalton Pharmaceuticals that minimizes disruption of existing production schedules
- Ensured upgrades complied with **Good Manufacturing Practices (GMP)**, and qualification protocols (IQ/OQ/PQ) of a pharmaceutical manufacturing facility

Coursework: Business Strategic Management, Marketing Management, Supply Chain Operations

- Utilized MS Excel advanced functions, data tables, and VBA code to determine the **optimal order quantity** to minimize inventory holding costs using the EOQ model
- Created financial statements, analyzed **profitability ratios**, and conducted data analysis to evaluate a business's financial performance and provide recommendations to improve strategic position

Bachelor of Medical Science (Honours) (GPA: 3.72/4.00) | 2020 – 2024

Western University, London, ON

Thesis Project: *Designing a molecular inhibitor to mitigate the effects of Parkinson's disease*

- Created mutants via site-directed mutagenesis, protein expression, and purification; used NMR to examine the effect of mutation on binding and characterize the protein's binding interface
- Utilized computational **Python-based platforms** (PyMOL, HADDOCK, Rosetta suite) to model molecular interactions and design an inhibitor
- Presented findings to the biochemistry department, receiving 90% on the research course

RELEVANT EXPERIENCE

Research Intern | May 2023 – Aug 2023

UHN Ophthalmology and Pathology Research Lab, Toronto, ON

- Utilized laboratory research applications including tissue sectioning, immunofluorescence staining, and confocal microscopy to visualize immune cells in the **40+** eye specimens
- Conducted statistical analysis of cell counts using **R programming** to determine differences between patient groups and draw inferences regarding the disease process
- Presented findings in the form of a poster and oral presentation to **200+** colleagues

Shivangi Chandna

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416-938-1949
[LinkedIn URL](#)

Patient Services Representative | May 2022 – Aug 2022

Vitreous Retina Macula Specialists of Toronto, Toronto, ON

- Processed patient check-ins, booked appointments, and triaged **25+** referrals **per day** to ensure seamless patient care and scheduling at the clinic
- Assisted patients in person and over the phone to efficiently address inquiries, resulting in reduced wait times and improved patient service

Hospital Administrative Assistant | Jun 2018 – Mar 2020

Humber River Hospital, Toronto, ON

- Greeted visitors and assisted them in locating a room, doctor, or nurse, enhancing visitor experience and creating a more organized and welcoming environment
- Followed protocol to protect confidentiality of patients and employees, ensuring privacy and safety

AWARDS AND TRAINING

Graduated Western Scholar, Western University, London, ON 2024

Introduction to Python 3 Programming, Gale Courses, Online 2024

Biotalent Bioeconomy Fundamentals, Biotalent, Online 2024

Canada SynBio Conference, Ontario Genomics, Toronto, ON 2024

Medtech Conference, AdvaMed, Toronto, ON 2024

ADDITIONAL INFORMATION

Senior Home Recreation Assistant: Organized and facilitated monthly events for senior citizens, including playing games and physical activities.

Book club leader and Co-organizer of “The Easy Read Book Club”: Led monthly book club meetings by providing background information on books, creating and asking book questions, and facilitating group discussions.

Yara Al-Dahleh

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+1 (647)-686-8265

[LinkedIn](#)

CAREER OBJECTIVE

Highly interested in visual scientific communication, medical technology, and research and development. The business areas that stand out to me that interest me and are related to my highlighted biotechnology sectors involve clinical trials, manufacturing and quality control, marketing and sales, and regulatory affairs.

EDUCATION

Masters of Biotechnology Management | 2024 – 2026

York University, Markham, ON

Relevant project CEWIL Project: “Alternative Proteins in Pet Food” (2024)

- Researched Alt Pro Advantage, a company that incorporates alternative proteins in dog pet food
- Investigated the regulatory pathways for introducing microalgae ingredients into the pet food market in Canada and the United States of America
- Implemented research in the strategic plan for the company to utilize and begin their R&D for introducing this ingredient in their products

Relevant project: “CRISPR-Cas9 for Treating Sickle Cell Anemia and β -Thalassemia” (2024)

- Researched the different mechanisms CRISPR-Cas9 occupies and how it is used in several gene therapies
- Drew the connection between CRISPR-Cas9, sickle cell anemia, and β -thalassemia by examining how it treats these diseases and the specific mechanism to do that
- Analyzed the future of CRISPR-Cas9 in treating other diseases by using model organisms and organoids

Honours Bachelor’s of Science | 2020 – 2024

University of Toronto, Mississauga, ON

Cumulative GPA: 3.93/4.0 with High Distinction

Relevant coursework: BIO314 (Laboratory in Cell and Molecular Biology)

- Performed techniques in cell biology, such as cellular fractionation, polyacrylamide gel electrophoresis, western blotting, immunolocalization, and PCR in lab
- Studied and performed molecular biology techniques, such as cloning and transformation of genes, DNA sequencing, and expression of proteins in bacterial and model systems in lab

RELEVANT EXPERIENCE

Clinical Volunteer | December 2022 – May 2023

Parkside Village Dental, Mississauga, ON

- Shadowed a general dentist, assisted DAs with sterilization procedures, and receptionists with scheduling, which increased workflow in clinic

Yara Al-Dahleh

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yaraldahleh@hotmail.com

+1 (647)-686-8265

[LinkedIn](#)

- Provided a safe and welcoming environment for patients and was recognized for making patients more comfortable during appointments

Teaching Assistant | September 2021–December 2023

University of Toronto, Mississauga, ON

Introduction to Biological Data (BIO259)

- Held one practical lab per week to help students connect lecture material with practice worksheets, which improved their performance
- Invigilated midterms and final examinations, which ensured fair testing among students

Diversity of Organisms (BIO153)

- Volunteered with two Teaching Assistants and assisted students with questions about experiments and was recognized for helping students decrease learning gap between on-hand work and lecture material
- Attended weekly meetings with the teaching team to discuss progress in the course and was recognized by the professor for maintaining commitment and initiative

Introduction to Evolution and Evolutionary Genetics (BIO152)

- Coordinated presentations for lab instruction and overview of experiments, which ensured student understanding throughout the practical
- Invigilated midterms and final examinations and graded worksheets of students and was recognized by the teaching team for meeting deadlines and being organized, which led to an award nomination

Introduction to Applied Statistics (STA215)

- Prepared slides and solutions for students to use as practice, which helped them prepare for tests and final examinations
- Held online office hours weekly, which supported student learning and gave them the opportunity to ask any questions

Introduction to Probability and Modelling (STA107)

- Prepared slides and solutions for students to use as practice, which helped them prepare for tests and final examinations
- Held online office hours weekly, which supported student learning and gave them the opportunity to ask any questions

VP of Design | September 2022 – April 2023

Champions of Change UTM, Mississauga, ON

- Designed social media posts using Canva and Affinity Designer to promote club initiatives, which were recognized by several audiences and led to high engagement
- Led weekly design team meetings to discuss progress of social media work, and was commended by president for being 'organized and committed'

Yara Al-Dahleh

Mississauga, ON
yaraldahleh@hotmail.com

+1 (647)-686-8265

[LinkedIn](#)

Design Associate | September 2021 – April 2022

Champions of Change UTM, Mississauga, ON

- Designed social media posts using Canva and Affinity Designer to promote club initiatives, which were highly effective in reaching several audiences
- Participated in club events by helping set up, which made event run smoothly and according to plan

AWARDS AND TRAINING

Dean's List Scholar, University of Toronto, Mississauga, ON 2021–2024

Alan F. Coventry Memorial Scholarship, University of Toronto, Mississauga, ON 2023

Saini Family Entrance Scholarship, University of Toronto, Mississauga, ON 2020

UoT Mississauga Entrance Scholarship, University of Toronto, Mississauga, ON 2020–2023

BioTalent Courses, Mississauga, ON 2024

Courses: Communications Fundamentals, Collaboration Fundamentals, Reading Fundamentals, Numeracy Fundamentals, Writing Fundamentals, Problem-Solving Fundamentals

SKILLS & INTERESTS

Technical Skills: Microsoft Office, R & R Studio (beginner), Affinity Designer, Canva, Tableau (beginner), Maya (beginner), Arduino (beginner)

Soft Skills: Communication, Leadership, Problem-Solving, Organization, Adaptability, Creativity

Languages: English (fluent), Arabic (conversational)

Interests: Music – Level 4 Piano in Royal Conservatory of Music, Volleyball, Puzzles, Content Creation – making lifestyle reels on Instagram & TikTok

Yifu Gong

Scarborough, ON
gyf593775035@gmail.com

(905)570-6088

CAREER OBJECTIVE

A motivated biotechnology professional seeking to contribute to innovative advancements in Pharmaceutical Biotechnology and Cell and Gene Therapy sectors. Highly interested in roles focused on Pharmaceutical Marketing and Clinical Trials to drive impactful solutions in healthcare. Committed to applying a strong foundation in molecular biology and analytical techniques to support high-quality, efficient biotechnological processes.

EDUCATION

Masters of Biotechnology Management | 2024 – 2026

York University, Markham, ON

RELEVANT EXPERIENCE

Flight Attendant | August 2022 – August 2023

WestJet, Toronto, Ontario

- Facilitated smooth operations by coordinating with flight crews and ground staff with excellent communication and teamworking skills.
- Delivered exceptional customer service to hundreds of passengers, enhanced their comfort, safety, and well-being throughout all flight stages
- Recognized for problem-solving skills and fast learning abilities by accomplishing the intense training program and winning an award for outstanding performance.

Laboratory Assistant | May 2020 – July 2022

St. Michael's Hospital & Li Ka Shing Knowledge Institute, Toronto, Ontario

- Conducted nucleic acid extractions (DNA & RNA) and utilized nucleic acid amplification technologies, including digital PCR and real-time PCR quantification, to support accurate analysis in research projects.
- Executed centrifugation, storage, and administration of biological materials, ensuring sample integrity and readiness for downstream processing.
- Leveraged EndNote Library and formatting software to draft preliminary research articles, supporting publication efforts and ensuring adherence to academic standards.

Research Assistant | March 2019 – November 2020

McMaster University, Hamilton, Ontario

- Assisted PhD students with cell counting and growth on over 10 occasions, building strong laboratory hands-on experience and technical skills.
- Reviewed and analyzed 50+ research papers on cell counting technique development, gaining comprehensive knowledge in current methodologies and advancements.
- Supported research on automated cell counter improvements for PhD thesis projects, contributing to ongoing advancements in lab efficiency and accuracy.

ADDITIONAL

- Experience with office/google document suite/ Excel & VBA
- Native Mandarin Chinese speaker
- Proficient with photography, social media editing applications

Zoha Moiz

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zohamoiz@gmail.com

(416) 571-7013

[LinkedIn](#)

CAREER OBJECTIVE

As a dedicated biotechnology student with a solid background in genetics, biotechnology, and laboratory methods, I bring hands-on experience in DNA technology, cell culture techniques, and genetic analysis methods such as microarrays and DNA sequencing. I am committed to contributing meaningfully to clinical trials and advancing new treatment discoveries to expand the effectiveness and accessibility of treatments for genetic diseases.

EDUCATION

Master of Biotechnology Management | 2024 – 2026

York University, Markham, ON

Relevant course/project: Introduction to Biotechnology

- Learned various methods for measuring and assessing cell culture growth
- Studied the fundamental properties of DNA, how bioreactors work and microbial cell growth, enhancing understanding of its biotechnological applications

Bachelor of Science Honors in Life Science | 2020 – 2024

McMaster University, Hamilton, ON

- GPA: 3.6, Dean Honors Roll (2021-2024)

Relevant course/project: Genes, Genomes and Society

- Explored how genetic information inherited shapes unique traits and examined various genetic diseases.
- Learned techniques such as microarrays and DNA sequencing to analyze genetic data.

Relevant course/project: Laboratory Methods in Life Sciences

- Learned to use a microscope and worked with live specimens, measuring heart rates using Zen software
- Conducted serial dilutions and utilized various micropipettes to prepare mixtures for experiments
- Prepared samples for DNA electrophoresis

RELEVANT EXPERIENCE

Patient Experience Coordinator | 2022 –present

Body Science Therapy, Mississauga, ON

- Develop software skills to book, cancel, and reschedule patients using the Jane software
- Responsible for doing monthly reconciliation using Excel software
- Develop plans to positively increase patient experience using Google reviews

Brand Associate | 2019-2020

Old Navy, Mississauga, ON

- Worked closely with team members to provide the best customer service and increased positive customer reviews by 3% using my strong oral communication skills

Zoha Moiz

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(416) 571-7013

[LinkedIn](#)

- Handled inventory and processed incoming shipment count by using my strong technical skills
- Responsible for merchandising alongside the manager to provide customers with a clean environment

Fundraiser Executive | 2023-2024

Indus Club, Hamilton, ON

- Raised over \$200 to improve healthcare in Pakistan by setting up multiple fundraisers
- Developed a plan with marketing and finance executives to host events based on budget and advertisement opportunities using my strong communication and collaboration skills

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

BioTalent Canada Courses

- Reading Fundamentals Certificate
- Writing Fundamentals Certificate
- Numeracy Fundamentals Certificate
- Collaboration Fundamentals Certificate
- Communication Fundamentals Certificate

Conferences

- SynBio Conference – Attended sessions on biotechnology advancements and applications
- MedTech Conference – Engaged in panels on medical technology innovations

SKILLS

Soft Skills

- Strong analytical and communication skills
- Strong accuracy and attention to detail
- Exceptional problem-solving abilities
- Ability to multi-task, work in fast-paced environment

Hard Skills

- Proficiency in MS Office
- Experience in programming software (R, Python, and VBA)
- Proficient in laboratory techniques, including microscopy, DNA
- Knowledge in GMP, GLP, GCP, and QA/QC

LANGUAGE

- English and Urdu

Contact Details

Thank you for reviewing the Summer 2025 MBM Resume Book.
For more information on how to hire MBM Students, please contact:



Sara Del Piano
Manager, Educational and Employer Partnerships
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[Schedule Meeting](#)
C: 647-534-2331



yorku.ca/markham/become-a-markham-campus-partner/

Land Acknowledgment

York University recognizes that many Indigenous Nations have longstanding relationships with the territories upon which its campuses are located. We acknowledge that our Markham Campus is situated upon traditional territories of the Anishinaabe Peoples and of the Haudenosaunee Peoples. These territories are covered by the Upper Canada Treaties. The First Nations community in closest proximity to the City of Markham are the Chippewas of Georgina Island.

Pronunciation

Anishinaabe: (an-ish-in-aabe)

Haudenosaunee: (hoodt-en-oh-show-nee)

Chippewas: (chip-i-waas)

York University Markham Campus

1 University Boulevard, Markham, ON L6G 0H2

YORK U