



EVENT AGENDA

5:10 - 5:15 **OPENING REMARKS**

5:15 - 5:30 HOW TO LAND RESEARCH

Tips on finding supervisors, searching for opportunities, and how to write a "cold" email

5:30 - 5:40 THE PRINCETON REVIEW

MCAT prep presentation and a giveaway

5:40 - 6:50 PANELIST PRESENTATIONS

Presentations by a Work Study student, Amgen & Laidlaw Scholar, PharmTox NSERC, BME NSERC, Harvard PEY and MIT PEY.

7:00 - 7:10 CLOSING REMARKS

LANDING A PI/LAB

STEP 1:

Find a **field of research** that interests you!

- Clinical
- Bioinformatics
- Animal Models



STEP 2:

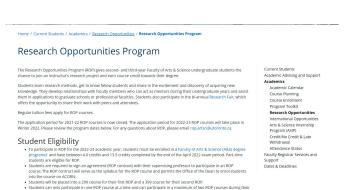
Surf the Web!

- **Faculty websites** for research courses (i.e. ROP)
- **Lab websites** for open positions
- Work Study programs
- Hospital affiliated programs

STEP 3:

Start Applying:

- Cold Email Researchers
- LinkedIn/Academic events





WORK STUDY (CLNX)

(more here)

WHY WORK STUDY?

 Paid on-campus/remote positions for students (must be enrolled in studies)

WHEN TO APPLY

- Aug Sep (Fall-Winter) or
- Apr May (Summer)

WHEN DOES IT HAPPEN?

 Sep - Apr (Fall-Winter) or May -Aug (Summer)

HOW TO APPLY

 On CLNx under Jobs & Recruitment → Work Study

CLNx

Usually requires: cover letter, CV
 +/- unofficial transcript

RESEARCH OPPORTUNITY PROGRAM

(more <u>here</u>)

WHY ROP?

 Provides 2nd and 3rd year students opportunities to gain research experience and earn a course credit (must be enrolled in studies)

WHEN TO APPLY

• Deadline is March 22, 2023

WHEN DOES IT HAPPEN?

- Fall ROP: Jun → Sep
- Summer ROP: Apr \rightarrow May

HOW TO APPLY

- CLNx Applications open February 22, 2023
- CLNx → Experiential Learning at Faculty of Arts & Science
- Usually requires: cover letter and statement of interest, CV +/unofficial transcript
- Maximum of 5 ROP supervisors

RESEARCH BASED COURSES

(more here)

WHY RESEARCH BASED COURSES?

- Requirement for some specialist programs
- Great way to get involved in a research project and develop skills

WHEN TO APPLY

 Need to secure supervisor before start of school year

WHEN DOES IT HAPPEN?

Full Year Course (Sept → Apr)



HOW TO APPLY

- Applications for different programs open at various times before the school year, keep an eye on the websites
- Applications require approval from the project PI, along with an abstract about the project

LAB BASED COURSES

WHY RESEARCH BASED COURSES?

 To gain hands-on dry and wet laboratory skills/techniques to better position yourself as a great candidate when applying to research positions

HMB EXAMPLES

- HMB310 Laboratory in Neuroscience,
- HMB311 Laboratory in Fundamental Genetics and its Applications,
- HMB312 Laboratory in Health and Disease,
- HMB314 Laboratory in Human Biology,
- Human Biology,
 HMB489 Advanced Laboratory in Human Biology

OTHER DEPARTMENTS

- PCL367 Drug
 Development
 Pipeline I In vitro,
- MGY360
 Whole-Genome
 Sequencing and
 Analysis
 Laboratory,
- PSL372 Mammalian Physiology Laboratory,
- BCH370 Laboratory Course in Biochemical Techniques
- CSB330 Techniques in Molecular and Cell Biology



Contains: Undergraduate summer research programs, ROPs, research project courses, international research opportunities, high school research opportunities, research grants/awards, and research case competitions

Canva Link Access:

https://www.canva.com/design/DAFYa oUSXA/U185P8w9ymg793p ZNAfjfQ/view?utm content=DAFYa oUSXA&utm campaign=designs hare&utm_medium=link2&utm_source=sharebutton

PDF Access:

https://drive.google.com/file/d/13KHyRvOE-2oQUYuvO9TgQOhlRJ | QhOf/view?usp=sharing

Google Doc Access:

https://docs.google.com/document/d/1_XsacLGDhRyDhaDS2HUBr6 OlAewOHc-jYOYhA8lxnbQ/edit?usp=sharing

WHAT IS NEEDED IN AN APPLICATION?

• CV or Resume

Cover Letter or Cold Email

Transcript

• Reference Letter



CV or Resume

- Curriculum vitae (CV) is an in-depth history of your professional and academic credentials and accomplishments
 - o Can be 3-10 pages long
- Resume is a concise curation of your professional experience, skills and qualifications
 - o no longer than 2 pages



Cover Letter or Cold Email

- A Cover Letter is a **document** submitted with resume in a formal application
- A Cold Email is an **inquiry for research** position (resume can be attached)



Transcript and References

- Official Transcript must be purchased from the University
 - Done through ACORN
- Unofficial Transcript = print out of academic history (with grades)
- References can be requested to profs/previous PIs
 - Sometimes required to write letter
 - Sometimes just require contact info



HOW TO WRITE A "COLD EMAIL" OR COVER LETTER

STRUCTURE

3-4 short paragraphs: introduction of yourself, background and why you're applying, conclusion/call to action

INTRODUCTION

- Year of study, program of study, school
- Your interests
- Intent behind the email/letter

BACKGROUND

- Relevant skills/experience (GPA/previous coursework, previous research experience, lab skills, coding/statistical skills)
 Translatable soft skills from extracurriculars/work
- Reference your CV and transcript if applicable

REASONS FOR APPLYING

Explain why you want to work at the lab \rightarrow be specific

CONCLUSION

- Thank them for their time/consideration
- If "cold emailing" → call to action such as requesting a guick meeting with them

EXAMPLE COLD EMAIL

Hello/Dear	
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I am writing to you to express my interest in being a research assistant at your lab. I am a ____ year undergraduate student studying ____ at ____. My main research interests include _____.

I have previous experience research experience at _____ doing ____. In addition, I have ____ skills and experience with ____. [Point of this paragraph is to market yourself and demonstrate how you can add value to the lab]. Please find my CV and transcript attached to this email.

other reasons why you want to join the lab, how you will benefit from learning from them]

Please let me know if you are open to a 20 minute oall to discuss this further within the next two weeks. I would really love to learn more about your project and gain insights/guidance about research from you.

Thank you for very much for your time and consideration. I look forward to hearing back from you.

Dest regards,

INTRODUCTION

BACKGROUND

WHY YOU'RE APPLYING

CONCLUSION/CALL TO ACTION



RESEARCH PANELISTS

RESEARCH PANELISTS



Paul Lifotra Zadeh Lab @ UHN



Jenny Liu Attisano Lab (MolGen)



Eric Chiu Shoichet Lab (IBBME)



Lucia Huang Maikawa Lab (IBBME)



Ilham Rabbi Garton Lab (IBBME)



Shayan Rabbi Billia Lab @ UHN



Michelle Wang Tyndale Lab (PharmTox)