

WELCOME TO



# LAB TREK

SSA'S ANNUAL RESEARCH OPEN HOUSE

# Agenda for the Day

- **9:00 – 10:00:** Opening presentation in Armes 208
- **10:00 – 11:00:** Cohort A tours the labs and Cohort B listens to presentations of undergraduate students
- **11:00 – 11:10:** Mini-break
- **11:10 – 11:20:** Reconvene in Armes 208
- **11:20 – 12:20:** Cohort B tours the labs and Cohort A listens to presentations of undergraduate students
- **After 12:20:** Lunch in the SSA lounge!



# Cohort and Group System



## Cohort A

- 1: Group 1 (Leader: Jacob)
- 2: Group 2 (Leader: Erika)
- 3: Group 3 (Leader: Noah)

## Cohort B

- 1: Group 1 (Leader: Jacob)
- 2: Group 2 (Leader: Erika)
- 3: Group 3 (Leader: Noah)

# Land Acknowledgement

The University of Manitoba campuses are located on original lands of Anishinaabeg, Cree, Ojibwe-Cree, Dakota and Dene peoples, and on the homeland of the Red River Métis Nation. We respect the Treaties that were made on these territories, we acknowledge the harms and mistakes of the past, and we dedicate ourselves to move forward in partnership with Indigenous communities in a spirit of reconciliation and collaboration.

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# What is the Science Students' Association (SSA)?

1. Govern and provide services for undergraduate students in the Faculty of Science
2. Represent students to the Faculty, University Administration, and The University of Manitoba Students' Union

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# Stay Connected With Us!

- Instagram: @umanitobassa
- Facebook: University of Manitoba Science Students' Association
- Email: Science.StudentsAssociation@umanitoba.ca
- Academics email: ssaacademics1@gmail.com
- Website: [www.umanitobassa.com](http://www.umanitobassa.com)

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# SSA Tutoring Program



**By partnering with Nimbus, SSA offers a free tutoring program for students**

## TUTORS

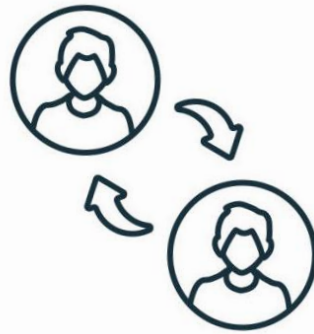
- Gain CCR credit
- Gain volunteer experience
- Get gift cards
- Eligible for tutor scholarships
- Contribute to the science community
- Keep an eye out for tutor applications for next year!

## TUTEES

- Gain access to a large pool of tutors for many different courses
- Receive tutoring services for free
- Sign up using the Nimbus App
- Informational video:  
<https://www.youtube.com/watch?feature=oembed&v=Av-2DVY8t8s>

# SSA Mentorship Program

Coordinator: **Anthony Kozak**



## Objective:

Pair first year science students with an upper year undergraduate science student who will provide mentorship and insight into getting involved on campus, navigating a science degree and adjusting to university life

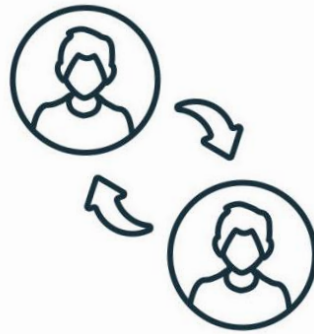
The program launches **NEXT WEEK!**





# SSA Mentorship Program

Coordinator: **Anthony Kozak**

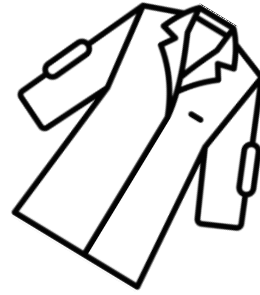


**Scan the QR Code to sign up  
as a Mentee**



# SSA Rentals Service

Coordinator: **Clarissa Nitafan**



The SSA Rental Program is available to any students at UofM who may need items necessary for a science lab or course!

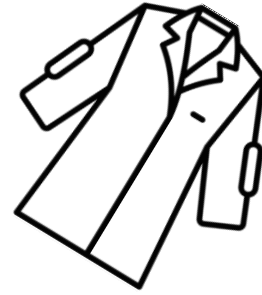
We offer a variety of items to rent including:

- Lab coats
- Goggles
- Wax pencils
- Dissection kits
- Organic chemistry modelling kits



# SSA Rentals Service

Coordinator: **Clarissa Nitafan**



**Scan the QR to rent equipment or just  
come to the SSA office in Armes 209E**



# Getting Involved in Scientific Research

# LAB TREK



# Steps to Getting Involved in Research

1. Join student clubs
2. Look into / scope out research opportunities
3. Contact Principal Investigators (PIs) and/or Professors
4. Apply for research awards & grants



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# 1. Join Student Clubs

## DEPARTMENTAL

- MiSC - Undergraduate Microbiology Student's Club | [uofm.microclub@umanitoba.ca](mailto:uofm.microclub@umanitoba.ca)
- BUGS - Biology Undergraduate Students' Association | [bugs@umanitoba.ca](mailto:bugs@umanitoba.ca)
- Chem Club | [uofmchemclub@gmail.com](mailto:uofmchemclub@gmail.com)
- CSSA - Computer Science Students' Association | [manitobacssa@gmail.com](mailto:manitobacssa@gmail.com)
- OPUS - Organization of Physics Undergraduate Students | [opus.uofm@umanitoba.ca](mailto:opus.uofm@umanitoba.ca)
- UMS<sup>2</sup> - Stats | n/a
- Eigen - Math | n/a

## NON-DEPARTMENTAL

- UMAC - UM Actuarial Club (with Asper) | [umac-exec@lists.umanitoba.ca](mailto:umac-exec@lists.umanitoba.ca)
- Dev Club | [umdevclub@gmail.com](mailto:umdevclub@gmail.com)
- LTS - Let's Talk Science | [Its.uofm@gmail.com](mailto:Its.uofm@gmail.com)
- STEAM (with the Faculty) | [steam@umanitoba.ca](mailto:steam@umanitoba.ca)
- UMULH - UM Undergraduate Leaders in Healthcare | [executive@umulh.com](mailto:executive@umulh.com)
- Wise Kidnetic (with Engineering) | [wise@umanitoba.ca](mailto:wise@umanitoba.ca)
- WICS - Women in Computer Science | [uofmwics@gmail.com](mailto:uofmwics@gmail.com)
- UPSA - Undergraduate Psychology Students' Association (with Arts) | [upsa@umanitoba.ca](mailto:upsa@umanitoba.ca)
- WIC - Women in Chemistry | [wic.manitoba@gmail.com](mailto:wic.manitoba@gmail.com)
- TEM - The Entrepreneurial Mindset (with Asper) | [temexec@gmail.com](mailto:temexec@gmail.com)



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# 2. Scope out Research Opportunities

## Questions to Ask Yourself

- What are my interests?
- How will this help me reach my short-term and long-term academic/career goals?

## Places to look

- University of Manitoba website
  - Faculty of Science (multiple departments)
  - Rady Faculty of Health Sciences (multiple departments and sites)
    - St Boniface Research Center
    - CancerCare Manitoba/Research Institute on Oncology and Hematology
    - Children's Hospital Research Institute of Manitoba
    - Kleysen Institute for Advanced Medicine



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# 2. Scope out Research Opportunities

## Faculty of Science Research:

- Go to <https://www.sci.umanitoba.ca>
- Go under the subheading "Deans and Departments" and select Department of Interest
- Click on "Research" subheading
  - Exception: Department of Microbiology. Hover over "Undergraduate", click on "Awards & Scholarships"
- Read about Research Groups & Areas of Interest!

## Rady Faculty of Health Sciences Research:

- Go to <https://umanitoba.ca/medicine/research>
- Scroll down to "Department research"; select one
- Explore projects and Researcher profiles!

## All Faculties/Departments:

- Go to <http://umanitoba.ca/research/opportunities-support/undergraduate-research-awards>
- Scroll down to "Eligible researchers willing to supervise URA students" heading
- Explore a wide range of research areas, projects and profiles!



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# 3. Contacting Principal Investigators (PIs)

Once you have narrowed down who you would like to potentially work with, begin emailing; it's recommended to send emails before Fall reading week (mid – November).

## What to include in your email:

- Briefly introduce yourself and what you're studying
- CV and **Unofficial transcript**
- Mention any relevant awards or experiences
- Personalize email to each PI by including:
  - why their research piques your interest
  - how their research is relevant to your long-term career goals
  - what you hope to gain from a research term in their lab



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# 3. Contacting Principal Investigators (PIs)

## Multiple Interview formats

- Formal, sit-down interview
- Informal meet and greet, lab tour
- Virtual zoom meeting

## Commonly Asked Questions

- How is the research relevant to your long-term goals?
- What assets do you bring to the research group?
- Do you have a good understanding of the research?
- Why do you want to work in that particular lab?
- Why do you not want to return to your old lab (in the case of previous research experience)?
- What is your availability?

## How to Prepare

- Read a few papers published by the lab
- Come in with questions for the PI/lab members



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# 4. Applying for Research Awards/Grants:

- Many different awards offered by the U of M
- Deadline is typically in February

## Awards offered:

- **Faculty of Science Undergraduate Research Awards**
  - NSERC – minimum \$8000
  - Faculty of Science Undergrad Student Research Award (USRAS) – minimum \$6750
  - Jack Prior Memorial Undergraduate Summer Research Prize - \$7900
  - HD Gesser Undergraduate Summer Research Prize in Chemistry - \$6750
  - Philip Hultin Pedagogy Award - \$6750
  - Link for further info: <https://www.sci.umanitoba.ca/students/undergraduate-students/current-students/undergraduate-student-research-awards/>
- **Undergraduate Research Award (URA) - \$7000**
  - Wide range of research opportunities within and outside of the Faculty of Science
  - <http://umanitoba.ca/research/opportunities-support/undergraduate-research-awards>



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  - NSERC – minimum \$8000
  - Faculty of Science Undergrad Student Research Award (USRAS) – minimum \$6750
  - Jack Prior Memorial Undergraduate Summer Research Prize - \$7900
  - HD Gesser Undergraduate Summer Research Prize in Chemistry - \$6750
  - Philip Hultin Pedagogy Award - \$6750
  - Link for further info: <https://www.sci.umanitoba.ca/students/undergraduate-students/current-students/undergraduate-student-research-awards/>
- **Undergraduate Research Award (URA) - \$7000**
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# Lab Tours and Undergraduate Presentations

# LAB TREK



**From 10:00 AM – 11:00 AM**



## Cohort A

Lab Tours

- 1:** Group 1 (Leader: Jacob)
- 2:** Group 2 (Leader: Erika)
- 3:** Group 3 (Leader: Noah)

## Cohort B

Presentations

# Undergraduate Presenters

1. Angela Jiang
2. Jasmine Groisman
3. Rabia Shuaib
4. Clarissa Nitafan

**Q/A Session at the end**



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11:00 – 11:10: Mini Break

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**From 10:00 AM – 11:00 AM**



**Cohort A**

Presentations

**Cohort B**

Lab Tours

- 1:** Group 1 (Leader: Jacob)
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