

Manitoba Schools Science Symposium



“Showcasing Our Future Innovators”

**April 26-28, 2024
Manitoba Museum
190 Rupert Ave.**

ACKNOWLEDGEMENTS

Current Sponsors: 2024

Gold:



UNIVERSITY
OF MANITOBA

Silver:



Bronze:



Supporter:



The ongoing support of the Major and Special Awards Sponsors is greatly appreciated by the Board of Directors of MSSS. In addition, we would like to express our thanks to the following organizations or individuals for their contributions to the success of MSSS:

- Dr. B. Mario Pinto, University of Manitoba's Vice President (Research and International)
- University of Manitoba for the sponsorship of the facilities and activities at the Manitoba Museum
- Volunteer Judges from Manitoba Universities and Colleges and from the local science community, businesses, and industry
- All of the VOLUNTEERS who make this event possible
- All of this year's Sponsors who helped make MSSS 2024 a Great Success! Your support is important to us!
- Virgin Radio: Ace Burpee Show for supporting and promoting our future scientists/researchers/innovators, the Future Top 100

website hosting courtesy of



Frequently Asked Questions

Where can I park?

Never park in a loading zone, reserved spots, or anywhere there is a **no parking** sign.

Weekdays: Pay to park until 5:30 pm. Free after 5:30 p.m.
Saturday: 2 hours of free parking till 5:30 p.m. Free all day
Sunday. There are lots nearby with various payment schedules.

Where can I eat?

There are very few options (eg. the vending machines at the Museum) so it is crucial you **bring a lunch** to MSSS. We ask that your lunch be as allergy friendly as possible (ie. no nuts).

Students are not allowed to leave for lunch without a parent or guardian.

When can I leave on Judging day (Saturday, April 27)?

Elementary students (grades 4 - 6) can leave at 12:30 p.m. after the morning judging is completed and their projects are taken down. All other students (grades 7-12) must be prepared to stay until 4:00 p.m.

How often will I be judged?

You will be judged at least twice on Saturday by project judges. You may also be judged by special award judges. If you have not been judged by 11 AM, please go to the info booth for assistance.

Please Note: MSSS and the Manitoba Museum will not be held responsible for any lost or missing items. All participants are responsible for the set-up and take-down of their projects and display items by the designated deadlines.

If you need anything during MSSS, the Info Booth is the place to go!

MSSS 2024

April 26-28, 2024

Manitoba Museum

190 Rupert Ave

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Use the hashtag: **#MSSS2024**



Manitoba Schools Science Symposium



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www.msss.mb.ca



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2024

Schedule of Events

FRIDAY

APRIL 26

STUDENT ACTIVITIES

8:00 am - 10:00 am	Project Registration and Set-up
10:00 am - 10:30 a.m.	Opening Ceremonies
10:30 am - 11:00 a.m.	MSSS-created Activities Sponsored by the Richardson Foundation and Science Teachers Association of Manitoba
GRADES 4-12 STUDENTS WILL BE DIVIDED BY AGE GROUPS FOR THEIR RESPECTIVE PROGRAMS & ACTIVITIES (4-7 AND 8-12)	
11:00 a.m.- 12:00 p.m.	Museum Activities Sponsored by the University of Manitoba
12:00 pm - 1:00 pm	Lunch at designated areas in the Manitoba Museum <i>Please Bring a Bagged Lunch</i>
1:00 pm - 3:00 pm	Science Activities & Presentations at Manitoba Museum continue GRADE GROUP 1 (GRADES 4-7) Return to activity location in Manitoba Museum GRADE GROUP 2 (GRADES 8-12) Return to activity location in Manitoba Museum
3:00 p.m.– 6:00 p.m.	Public Viewing Students dismissed at 3:00 p.m.

PLANNING COMMITTEE

MSSS Planning Committee 2023-2024

Co-CHAIRS

Andrika Tittenberger
Katherine Li

**FINANCES/
REGISTRATION**
Lucy Rocha
St Lawrence

HOSPITALITY
John Jack
Andrika Tittenberger

CHIEF JUDGE
Alexandra Kuzyk

**WEBSITE
SAFETY AND ETHICS**
Rohan Sethi

**MEETING ROOM
FACILITIES**
Rudy Subedar

INVENT AN ALIEN
Tina Hellmuth

MAIN AWARDS
John Kozelko
Iqra Tariq

**SPECIAL AWARDS/
SCHOLARSHIPS**
Tooba Razi
Chelsea Zhu

**DISPLAYS AND
EXHIBITS**
Kamran Zahid
Guneet Uppal

**FRIDAY ACTIVITIES
(ELEM and 7-12)**
Vanessa Schulz
Zahrah Tariq

VOLUNTEERS
Vanessa Schulz

**MSSS EVENT
FACILITIES**
Alastair Komus

SOCIAL MEDIA
Iqra Tariq

AWARDS CEREMONY
Chelsea Zhu
Tooba Razi
Rohan Sethi
Katherine Li

**MSSS PROGRAM and
SCHOOL TOURS**
Lucy Rocha
St Lawrence



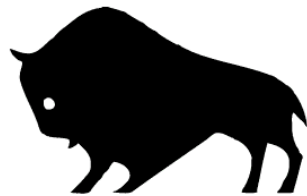
BOARD OF DIRECTORS



The Board of Directors of MSSS Incorporated sets policy for MSSS events

President Alastair Komus	Vice President Andrika Tittenberger	Executive Director Lucy Rocha St Lawrence
Directors		
Rudy Subedar	Past President John Jack	Secretary Tina Hellmuth
John Kozelko	Katherine Li	Alexandra Kuzyk

Manitoba



SATURDAY
APRIL 27

JUDGING

9:00 am - 12:00 pm	Judging (All Grades) Invent an Alien Judging Medal and Special Awards Judging
12:00 p.m.- 12:30 p.m.	Project Take Down and Dismissal: Grades 4-6 students :
12:00 pm - 1:00 pm	Lunch for grades 7-12 students only <i>Please Bring a bagged lunch</i>
1:00 pm- 4:00 pm	Judging: Junior, Intermediate and Senior projects
3:00 pm - 4:00 pm	Invent an Alien Awards: in the Auditorium
4:00 p.m.- 4:30 p.m.	Project Take Down and Dismissal for all remaining projects

SUNDAY
APRIL 28

AWARDS

10:00 a.m.- 11:00 a.m.	Elementary Medal Awards (Grades 4 - 6)
11:00 a.m.- 12:00 p.m.	Junior Medal Awards (Grades 7-8) Intermediate & Senior Medal Awards (Grades 9-12)
1:00 pm - 2:00 pm	Special and Grand Awards Announcement of MSSS Finalists for CWSF in Ottawa, May 26– June 1, 2024

MSSS Swag for each MSSS Participant sponsored by:



RICHARDSON
FOUNDATION

FRIDAY ACTIVITIES

ELEMENTARY: GRADES 4 - 7

Interactive Science Activities

Participate in presentations and activities at the Manitoba Museum, which are sponsored by the University of Manitoba.

SECONDARY: GRADES 8 - 12

MSSS Science Activities

Participate in presentations and activities at the Manitoba Museum which are sponsored by the University of Manitoba.



Next Year: SCHOOL TOURS!

Next Year, 2025: School Tours

Young Innovators Science Program for grades 3-8 students:

Schools are invited to sign up for an engaging experience for their Grades 3-8 students, starting next year! Tours will take place on the Friday morning of the fair dates at Max Bell Centre. Space is limited to 2 classes in the a.m. and 2 classes in the p.m. A complete teacher package is included with self-guided follow-up program and activities for classes after the visit. Please email msss.sc.projects@gmail.com to register. (First sign-up, first come basis)

Deadline: March 20, 2025

Step 6: Reporting your Findings

Once you have collected all your data, how are you going to use it to report your findings?

How will you display your findings in a way that most people will understand? (Charts, graphs, pictures, diagram, etc.)

Step 7: What's next?

Did you come up with other questions during the course of your experiment? If yes, list them below.

What will you do with these questions? Are they important enough to you to start a new inquiry? Explain.

What other next steps do you wish to pursue?

Step 8: Learning About Yourself

What did you learn about yourself as a researcher?

What skills did you develop?

What part of your inquiry was fun?

If you had to do this inquiry all over again, what would you change?

What would you leave the same?

Other interesting information about you as a researcher:

It is very important to reflect on how you grew as a scientist and which fascinating discoveries were uncovered in the process. How has this experience contributed to your knowledge and understanding of certain topics, your motivation, communication skills and your confidence? How have you used these to become more successful as a learner in school, at home, in your community, etc.?

Did you make any friends you wish to continue to be in contact with. Did you receive any advice from the judges, mentors, teachers, etc.? Did you get suggestions, ideas from your science fair colleagues?

After MSSS has ended for this year, it is important to remember that you are now an important member of the MSSS Scientific Community!

Congratulations! See You Next Year!

Lesson and Guide created by Mary Lucy Rocha St Lawrence



Planning for Your Next Project:

A Quick Guide to get started

Create a Science Journal and use this guide for planning for next year's project.

You spent some time looking at other projects in this year's MSSS. By now, you should have some ideas that you would like to explore in the next few days. It is really important to write down some of these ideas so you will remember when you decide to do something with them. Use the space below to list some of the ideas that came to you while you were looking through some of the projects.

Write your ideas in your journal

Step 1: Choose a topic

Start doing some research on this topic using books, internet, videos, science magazines and websites, science lab activities, experts in the field, etc. Will you be working with a partner? With whom will you be working with? Whom can you ask for advice and guidance?

Step 2: Develop a testable question

What questions do you have about this topic? List them below. Concentrate on one or two of the questions above and come up with a testable question.

Step 3: Identify the resources you will need

Identify what resources you are going to use to go more in depth about your research. It could be books, websites, people you know who are very smart about your topic, an experiment you plan to design and carry out, an innovation you want to create, etc.

What Resources are you planning to use?

How are you going to use the information from your resources?

Step 4: Design the inquiry

What type of inquiry research/experiments are you going to design and use to test your question(s). What kind of innovation are you planning to create?

Step 5: Collect the Data

What type of data will you be collecting? How will you collect it? What will it show? How will you know it is reliable?



MMSM

Multi-Material Stewardship Manitoba

INDUSTRY FUNDING RECYCLING



RICHARDSON FOUNDATION



\$5,000 ENTRANCE SCHOLARSHIPS

FOR GOLD MEDAL WINNERS (SENIOR PROJECTS)
AT CANADA-WIDE SCIENCE FAIR... AND A SUMMER JOB TOO!

The Office of the Vice-President (Research and International) at the University of Manitoba is offering a total of 20 renewable* entrance scholarships to undergraduate students who:

- have been awarded a Gold Medal for a senior project at Youth Science Canada's Canada-Wide Science Fair within the previous two years
- qualify for admission to University 1 or any direct entry program
- subsequently enrol full-time (minimum 24 credit hours) in University 1 or any direct entry program

Those who accept the University of Manitoba Entrance Scholarships are offered an undergraduate research internship to work with scientists and take part in important scientific discoveries during the summer preceding their first year of studies in an undergraduate program at the University of Manitoba. The recipient will earn approximately \$3,000 as a research assistant to work with one of the world-class professors.

*This entrance scholarship is renewable at the same value in the second year of study if the recipient meets the eligibility criteria.

umanitoba.ca/research



Scholarship applications for University of Manitoba are available through our website.

ORAL PRESENTATION:

- The most important thing you should know is that you have approximately seven to ten minutes to explain the entire project. Some students don't expect this and end up forgetting to explain the major details. This can be consequential to your judging.
- Another significant point is to know your topic. The judge will be determining how much you know. It is beneficial to prepare answers to questions you think the judge might ask. This way, you won't be confronted with questions you can't answer.
- Once you have prepared your speech, it is worthwhile to practice in front of a mirror, your family, or a friend. This rehearsal helps to relieve nervousness when you are actually being judged. If you have had practice, you will be more comfortable with your speech and you will make fewer, if any, mistakes.
- Since you have put a lot of time and effort into your project, it is important to take some time for preparations. It will help considerably because no matter how good your project is, the judging is a critical part of the competition.
- Make sure to follow the Safety and Ethics guidelines for your project and presentation!

FURTHER INFORMATION:

Copies of judging forms can be found on our website,
[Judging | Manitoba Schools Science Symposium \(msss.mb.ca\)](http://msss.mb.ca)



COMPETITION GUIDELINES

PROJECT TYPE:

There are three kinds of projects

1. **Research/Descriptions**—are descriptive only but involve scientific discipline in the collection and presentation of phenomena.
2. **Experiments**—hypothesis, collection of data, analysis and conclusions.
3. **Innovation**—goes a step further and leads to new discoveries and even new products.

JUDGING PROCESS:

The judging process is similar for all three project types. The following is a list of basic elements judges will look for:

- Originality of the Project
- Scientific Thought
- Clarity of Presentation
- Thoroughness of Research
- Project Summary - Each entry from Grades 7-12 is required to complete a Project Board URL of their work , which is the online their project using ProjectBoard: [Home](#) | [ProjectBoard: YSC](#)
- Students will be interviewed by at least two judges and should be prepared to make a brief presentation and answer questions about their projects.

SCHOLARSHIPS 2024

CURRENT GRADE 12 STUDENTS

The University of Manitoba offers THREE entrance scholarships valued at \$700.00 each (any faculty) and ONE Faculty of Science scholarship valued at \$750.00 to students who have enrolled in their first year of study at the University of Manitoba. Selection is conducted by the MSSS Scholarship Committee and the names of the four winners are forwarded to the Financial Awards Office at the University of Manitoba.

Students in Grade 12 who are interested in applying for these scholarships should go to the Info Booth during MSSS for further details or contact the MSSS Scholarship Committee Chair at:

special_awards@msss.mb.ca

The application form is available on our website at:

www.msss.mb.ca

20
23

MSSS REPRESENTATIVES at Canada-Wide

Marissa Magsino

“Behavioral Modification of Tenebrio Molitor by Toxins to Maximize the Biodegradation of Polystyrene”

St Mary’s Academy

Excellence Award– Senior Silver
Sanofi Biogenious Canada Award

Yuvraj Dhanoa

Research on Electrolyte Additives in Lithium Ion Batteries

Maples MET School

Anqi Guan

Green Farming- Self-powered TENG as a Fertilizer for Plant Growth

Grant Park HS

Excellence Award– Intermediate– Silver

Kavishi Himaya Udumullage

Effectiveness of SODIS (Solar Disinfection) for Safe Drinking

Acadia Junior High

Uriel Amy Clark

Radiation Around Us

St Charles Catholic School

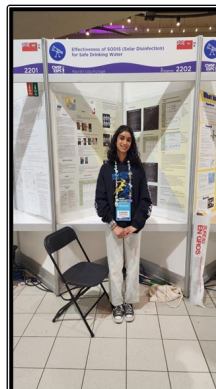
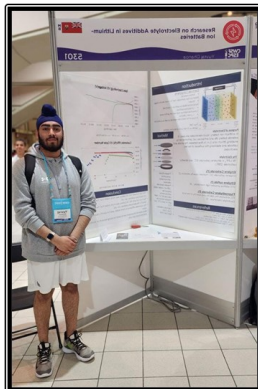
Excellence Award– Junior Silver

Daniel Nashed

Which One Soundproofs Best?

Linden Christian School

Excellence Award– Junior Bronze



Invent an Alien

For those of you who are interested in Space, Biology, and Art, “Invent an Alien” is a great program to combine all these interests in one theme!

In 2024 the Aliens are coming from any moon! Could be the Earth’s moon or any of the super interesting moons of Jupiter– check out Io, Europa, Ganymede and Callisto! Or.. check out some of the 146 moons that orbit Saturn!

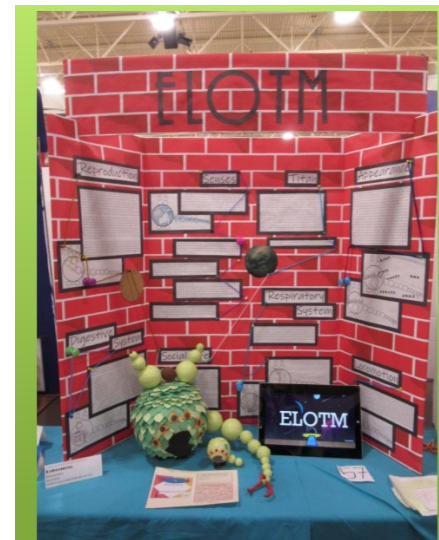
2024 entry fee is \$25.00 for an INDIVIDUAL and \$35.00 for a group of two

For more information and registration, please go to <https://sites.google.com/view/invent-an-alien/home>

Once Upon a Time, in a Galaxy Far, Far Away....

How it began:

Invent an Alien has been a side competition of the Manitoba Schools’ Science Symposium since 1985. Tina Hellmuth has been in charge of this competition since 2001 and before that Bob Ludwick was in charge of it. The competition offers students a second avenue to attend the provincial Science Fair. Invent an Alien follows the design process; having students build a theoretically testable entity that needs to meet the criteria of being a believable biological creature that has adaptations to live on the harsh climates and conditions of other planets or moons. Every year a different location in our planetary system is chosen as the Alien’s home. Choice of location is often based on which planet or moon space probes have recently explored. Over the years students have learned about almost all of the planets and many of the larger moons. It is possible to do Invent an Alien in English or French. All materials are available in both languages. An increasing number of teachers in Immersion programs have entered projects because it allows their students to learn and apply accurate French technical and scientific vocabulary.



SPECIAL AWARDS

FRESHWATER FISH MARKETING CORPORATION (FFMC)

LEVELS: All levels

SMITH'S QUALITY MEATS AWARD

LEVELS: All levels

RICHARDSON CENTRE FOR FUNCTIONAL FOODS AND NUTRACEUTICALS AWARD

LEVELS: All levels

RICHARDSON MILLING AWARD

LEVELS: All levels

LAKE WINIPEG RESEARCH CONSORTIUM WATER AWARD

LEVELS: Junior, Intermediate & Senior

AQUA I LASER SPECIAL AWARD sponsored by AQUA I LASER

Levels: All levels

COMMUNITY IMPROVEMENT THROUGH SCIENTIFIC INNOVATION AWARD
sponsored by the ROCHA-ST LAWRENCE FAMILY

Levels: Junior and Intermediate

DISCLAIMER: ALL AWARDS ARE AT THE DISCRETION OF THE SPONSOR



OUR MANITOBA SCHOOLS SCIENCE SYMPOSIUM FINALISTS AT CWSF, EDMONTON ALTA, 2023

THANKS TO OUR SPONSORS:

DOCTORS MANITOBA

GOVERNMENT OF MANITOBA: MINISTER OF EDUCATION AND EARLY CHILDHOOD

CHILDREN'S HOSPITAL RESEARCH INSTITUTE OF MANITOBA

SCIENCE TEACHERS' ASSOCIATION OF MANITOBA





Youth Science Canada Sciences jeunesse Canada

CWSF Finalists from across the country head to Mexico for the love of science

TORONTO, October 19, 2023 – This weekend, 31 of Canada’s brightest science, technology, engineering, and math (STEM) students will gather at Toronto Pearson to embark on a journey of a lifetime to this year’s MILSET Expo-Sciences International (ESI), which takes place in Puebla, Mexico, October 21 to 27. Young innovators from six provinces and one territory will represent the country at this year’s edition of ESI. The international event brings together students from more than 30 countries to showcase the creativity of aspiring young scientists and engineers worldwide.

All members of the Canadian delegation are previous finalists at the Canada-Wide Science Fair (CWSF), the largest national STEM event hosted each year by Youth Science Canada. This charitable organization helps Grades 7 through 12/Cégep students get started on STEM projects. Youth Science Canada is coordinating the trip, which Dominic Tremblay is leading.

“We are thrilled to see so many Canadian students eager to travel to Mexico out of their love for science and to share their discoveries and innovations with the international youth STEM community,” says Reni Barlow, executive director at Youth Science Canada. “After three years of virtual events, we are excited to see youth who share a passion for STEM and a curiosity for innovation from across the globe connect at this event and engage in STEM exploration.”

Organized by The International Movement for Leisure Activities in Science and Technology (MILSET), ESI is a non-competitive event focused on encouraging scientific culture among youth and highlighting scientific creativity across nations. The event welcomes approximately 700 participants from over 30 different countries.

Canada’s participants:

Alberta, 5
British Columbia, 5
Manitoba, 1
Newfoundland and Labrador, 1
Ontario, 13
Quebec, 5
Yukon, 1

Article from the YSC Website

[CWSF Finalists from across the country head to Mexico for the love of science - Youth Science Canada | Youth Science Canada](#)

SPECIAL AWARDS ARE PROVIDED AND JUDGED BY ORGANIZATIONS WHO GIVE AWARDS FOR PROJECTS RELATED TO THEIR UNIQUE INTERESTS

UNIVERSITY OF WINNIPEG MATHEMATICS AND STATISTICS AWARD

Level: All levels

UNIVERSITY OF MANITOBA HUMAN NUTRITIONAL SCIENCES DEPARTMENT AWARD

LEVEL: Senior

U OF MANITOBA DEPARTMENT OF FOOD SCIENCES AWARD

Levels: All levels

LABELS UNLIMITED AWARD

LEVELS: All Levels

MANITOBA ASSOCIATION FOR MEDICAL LABORATORY SCIENCES AWARD

LEVELS: All levels

CANADA COMPOUND WESTERN LIMITED AWARD

LEVELS: All levels

FOOD DEVELOPMENT CENTRE AWARD

LEVELS: All levels

SANI—MARC AWARD

LEVELS: All levels

FOOD AND BEVERAGE MANITOBA SPECIAL AWARD

LEVELS: All levels

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SPECIAL AWARDS

FOOD AND BEVERAGE MANITOBA
LEVEL: All levels

ADHIR BAGCHI MEMORIAL AWARD FOR EXCELLENCE IN HEALTH SCIENCES
LEVEL: Intermediate

CANADIAN INSTITUTE OF FOOD SCIENCE & TECHNOLOGY AWARD (CIFST)
LEVELS: Junior, Intermediate & Senior

CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY AWARD
LEVELS: All levels

ENGINEERS & GEOSCIENTISTS OF MANITOBA
LEVELS: All levels

EXCELDOR COOPERATIVE
LEVELS: All levels

WISE KID-NETIC ENERGY AWARD
Level: All levels

WOMEN'S HEALTH RESEARCH FOUNDATION OF CANADA AWARDS
LEVELS: All levels

MID CANADA AOAC AWARD
LEVELS: Intermediate & Senior

SHAD CANADA
LEVELS: Grades 10 and 11



DISCLAIMER: ALL AWARDS ARE AT THE DISCRETION OF THE SPONSOR

Congratulations to Kavishi Himaya Udumullage for representing Manitoba and MSSS at this prestigious event.



Congratulations to Keerthan Kamala Krishnamoorthy for being selected to Team Canada, ISEF 2023!



OTTAWA, March 19, 2023 – A group of eight high school students will represent Canada at the world’s most prestigious youth STEM project competition, the 2023 **Regeneron International Science and Engineering Fair**, from May 14 to 19 in Dallas, Texas. The students were selected by a panel of STEM professionals from across the country based on the level of ingenuity, critical thinking, scientific excellence, and communication skill in developing their STEM project.

“The quality of these projects and the calibre of these students is truly remarkable,” says Reni Barlow, executive director of Youth Science Canada, the national charitable organization behind Team Canada-ISEF since 1995. “Team Canada will be competing against the best students from more than 80 countries. I encourage everyone to support these young scientists by learning more about their projects and speaking of the value STEM-based projects have inside and outside of school, to children and teens.”

Team Canada-ISEF 2023 comprises (left to right and top to bottom in photo):

- Cindy Cheng – Waterloo, Ontario *Detecting hypoxia through the non-invasive monitoring of sweat lactate and tissue oxygenation*
- Aditya Dewan – Mississauga, Ontario *SPRKD: Effective Knowledge Distillation for Deep Neural Networks via Saddle Region Approximation*
- Max Du – Calgary, Alberta *A Novel Pre-Hospital Indoor Rescue Drone*
- Keerthan Kamala Krishnamoorthy – Winnipeg, Manitoba *Detection of Harmful Microorganisms in Drinking Water using Deep Learning***
- Krish Modi – Sarnia, Ontario *Pee Xylophone: A Novel Non-Invasive System to Measure Bladder Pressure*
- Annabelle Rayson – Sarnia, Ontario *Plankton Wars: An Innovative Analysis of Daphnia Genotype Biomaniipulation for Algae Bloom Prevention*
- Thomas Yang – Toronto, Ontario *Seeing Cells without a Lens: Compact 3D Digital Lensless Holographic Microscopy for Wide-field Imaging*
- Tara Zhan – Vancouver, British Columbia *Hemistride: Design of a Low-Cost and Backdrivable Lower-Limb Exoskeleton for Hemiplegic Patients*

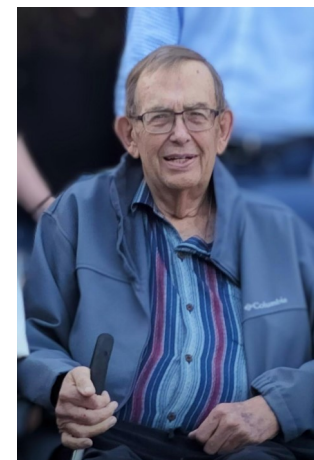
[YSC reveals Team Canada-ISEF 2023 - Youth Science Canada | Youth Science Canada](#)



MSSS would like to officially recognize and thank the University of Manitoba for their generous sponsorship for the facilities and spaces at the Manitoba Museum, utilized by the students, parents, guardian, exhibitors, guests and committee members of the Manitoba Schools Science, Symposium, 2024.

In Memory of Robert Neil Mc Alpine

1945-2023



The 2024 Manitoba Schools Science Symposium is lovingly dedicated to our dear friend, teacher and mentor,

Neil McAlpine.

Neil was a member of MSSS from 1989-2023, serving as a Planning Committee member, Co-Chair and a member of the Board of Directors as both Secretary and Executive Director. For much of the last decade, he also served as the registration chair for MSSS.

Neil’s dedication to science education and science fairs in Manitoba at the school, divisional, regional and national levels is incalculable. His invaluable expertise and passion for MSSS will be greatly missed.



Manitoba



Province of Manitoba

Messages from the
**Minister of Education and Early Childhood,
 Honourable Nello Altomare**
 and
**Minister of Advanced Education and Training,
 Honourable Renee Cable**

“I would like to take this opportunity to thank MSSS for its commitment to promoting the science, technology, engineering, arts, and mathematics (STEAM) achievements of Manitoba Students.

I would also like to thank all those individuals, including the teachers, judges and student volunteers who give their time and expertise to ensure the success of this important scholastic event.”

Honourable Nello Altomare
Minister of Education and Early Childhood

“As Minister of Advanced Education and Training, I have been given a mandate to ensure all Manitobans are ready for the careers and challenges of tomorrow by providing access to the best training and educational opportunities. Our approach is to connect and integrate STEM into advanced education and employment choices made by youth...

I appreciate the work that the Manitoba Schools Science Symposium does and good luck with your 2024 Symposium”

Honourable Renee Cable
Minister of Advanced Education and Training

MSSS MAJOR AWARDS

And their sponsors for MSSS 2024



BEST OVERALL PROJECTS

	Senior Grades 11 & 12	Intermediate Grades 9 & 10	Junior Grades 7 & 8	Elementary Grades 4 - 6
BEST OVERALL	\$1000.00	\$500.00	\$250.00	\$250.00
	Sponsored by DOCTORS MANITOBA UNIVERSITY OF MANITOBA CHILDREN'S HOSPITAL RESEARCH INSTITUTE OF MANITOBA			
BEST PHYSICAL	\$300.00	\$200.00	\$100.00	\$100.00
	Sponsored by MULTI-MATERIAL STEWARDSHIP MANITOBA			
BEST BIOLOGICAL	\$300.00	\$200.00	\$100.00	\$100.00
	Sponsored by SCIENCE TEACHERS ASSOCIATION OF MANITOBA			



**Doctors
Manitoba**

**A future
Manitoba
physician?**

We hope so.

Manitoba's doctors congratulate the 2024 Manitoba Schools Science Symposium participants & award winners. Your passion for inquiry and discovery is inspiring.

There are countless career options for aspiring scientists, and medicine is an excellent choice!

**Supporting physicians,
and medical learners,
every step of the way.**

**Canada Wide Science Fair, 2024
Ottawa, Ontario: May 26– June 1, 2024**