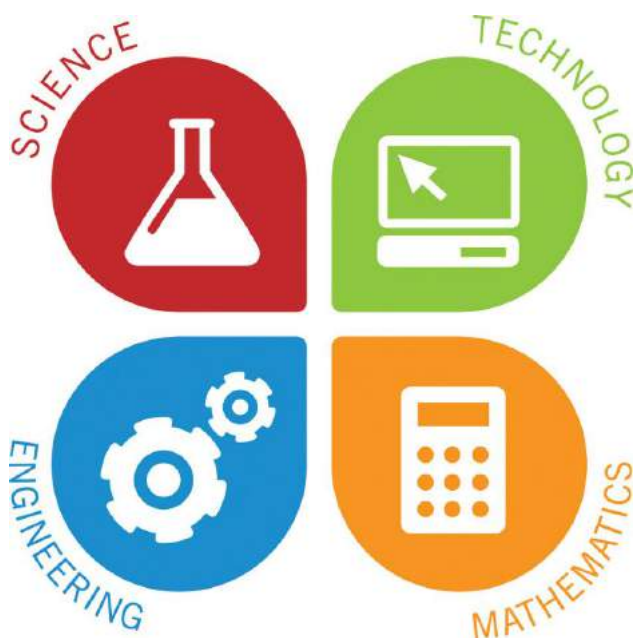


Annual Report

let's talk  science



UNIVERSITY OF
TORONTO

University of Toronto – St. George

August 2017 – July 2018

Coordinator Team

Yoojin Choi

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Outgoing Coordinator

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Board Members

Olivia Chan

Yonatan Lipsitz

New Classroom Outreach Kits

Air Forces

Concussion Activities

Driving Toward the Future

Sportology

Tectonics Rock

STEM Programs

“Let’s Talk Science is an award-winning, national, charitable organization focused on education and outreach to support youth development. We create and deliver unique learning programs and services that engage children, youth and educators in science, technology, engineering and mathematics (STEM)”

- Let’s Talk Science national website



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Site Milestones

August 2017 – July 2018

5106

Youth reached
by volunteers

2355

Hours of preparation
& presentation

118

Active
Volunteers

165

First Nations, Métis, &
Inuit Youth Reached*

*does not include 2018 Sandy Lake trip

Goals for 2018 – 2019

- Improve volunteer engagement
- Increase # of active volunteers to 150
- Increase # of youth reached by 10%

Physics Day



We held a new event developed in partnership with the Department of Physics! **15 Grade 10 students** were invited to participate in the inaugural event, exploring the diverse field of Physics through hands-on activities delivered by a team of intrepid Physics students. Participants also explored McLennan Physical Laboratories and the University of Toronto campus. We look forward to expanding this initiative next year!



Physics

UNIVERSITY OF TORONTO

In partnership with

Stem Cell Awareness Day

Each year, Stem Cell Awareness Day draws international attention and awareness to stem cell research, education, ethics, and more! Organizations and individuals take part each year. This year, **19 graduate & post-graduate volunteers** visited **930 Grade 10-12 students** across the GTA to talk about the history of stem cells, stem cell ethics, and their experiences with stem cell research.

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StemCellTalks

StemCellTalks is a national stem cell biology outreach & education initiative and Let's Talk Science event in partnership with the Stem Cell Network. It was established to facilitate knowledge transfer between academia and high school students pertaining to the science and practical ethics of stem cells. We want the public to be informed about the current scientific and ethical landscape of the stem cell field in order to make critical decisions about their interactions with stem cells.



2018
StemCellTalks
Volunteers
@ MaRS



148 Students

33 Volunteers

10 Speakers

The 9th annual StemCellTalks symposium at the University of Toronto focused on **neural stem cells** and **Parkinson's Disease** and featured engaging presentations, debates, vignettes, and a panel of experts with diverse perspectives on current stem cell science and ethics.

StemCellTalks was developed at the University of Toronto by Paul Cassar, Angela McDonald, and David Grant

StemCellTalks

Opening dialogue on stem cell science and practical ethics

StemCellTalks symposia were held at **9 sites across Canada** this year:

Calgary, Edmonton, Guelph, Hamilton, London, Montreal, Ottawa, Toronto, and Vancouver

In partnership with



Stem Cell Network
Réseau de cellules souches



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science

National & Provincial Sponsors



Physiology Day

In partnership with the Department of Physiology, senior high school students were invited to take part in this year's Physiology Day event. This year, we brought in **79 students** from **8 schools** for a day-long visit. Students enjoyed the opportunity to experience education in a university setting and explore the science of physiology through hands-on experiments and lectures.

In partnership with



Physiology
UNIVERSITY OF TORONTO

Immunology Day

Immunology Day is a collaboration between the Department of Immunology, SciChat, and Let's Talk Science at the University of Toronto (St. George). Together, we celebrate World Immunology Day (April 29th) to raise awareness about the basics of immunology and cutting-edge research done both locally and internationally. This year, **27 volunteers** from the Department of Immunology visited **14 high school classes (Grade 11-12)** throughout the day to deliver workshops related to the immune system and diagnostic techniques.

In partnership with



Immunology
UNIVERSITY OF TORONTO



Let's Talk Science Challenge

The Let's Talk Science Challenge is a free competitive enrichment event for Grade 6-8 students. This fun-filled day incorporates science, technology, engineering, and mathematics (STEM) into a quiz show style trivia competition and a hands-on design challenge for teams of up to four students.

33 Teams

131 Students

60+ Volunteers

17 Fun House Booths

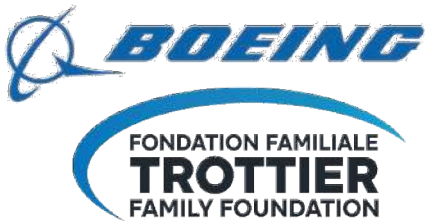


The University of Toronto – St. George is one of **over 20 sites across Canada** that host the Challenge each Spring. This year our event took place on April 23rd at Hart House!



This year, we were thrilled to welcome an all-female panel of brilliant scientists: Jane Heffernan (York University), Julie Jones (Ontario Science Centre), & Lauren Saville (Primate Tales)!

National Sponsors



First Place

"Contagious Intelligence"
from D.A. Morrison
Middle School

Spirit Award

"Red Giants"
from Islington Junior
Middle School



Some 2018 Challenge volunteers from Citrix (top) and Let's Talk Science (bottom) @ Hart House

Let's Talk Cancer

Let's Talk Cancer is a symposium, in collaboration with the Canadian Cancer Society's Research Information Outreach Team (RIOT), tailored for senior high school students. The 3rd annual Let's Talk Cancer symposium was held at Hart House and featured talks from graduate cancer research students and engaging, hands-on activities to help students explore topics from bioinformatics to immunotherapy. The day concluded with a fantastic address by Dani Taylor – a colorectal cancer survivor and oncology professional.



2018
Let's Talk Cancer
Volunteers
@ Hart House

Toronto Event Sponsor

SIMPLEHOMETM
— LIFE BY DESIGN —

let's talk 
science

105 Students

25 Volunteers

14 Speakers



Let's Talk Cancer symposia
were held at **8 sites across
Canada** this year:

Hamilton, Kingston, London,
Ottawa, St. John's, Toronto
(University of Toronto &
Ryerson), and Windsor

In partnership with



Canadian
Cancer
Society

R.I.O.T.

Research Information Outreach Team



let's talk 
science

Pharmaceutical Sciences Day

We held the 2nd annual Pharmaceutical Sciences Day with the Graduate Department of Pharmaceutical Sciences this year!

40 Grade 9 students from **5 schools** participated in this year's symposium where they learned about Pharmaceutical Sciences through hands-on activities delivered by graduate students. Participants also had the opportunity to explore the unique Leslie L. Dan Pharmacy building and hear a great talk by Diane Drolet from Bayer.



In partnership with



UNIVERSITY OF TORONTO
LESLIE DAN FACULTY OF PHARMACY

Volunteer Symposium

Held at the historic Hart House, Let's Talk Science at the University of Toronto (St. George) hosted a Creative Science Communication event for our volunteer appreciation night. Participants took part in a hands-on workshop with the University of Toronto's 3MT winner, Meghan McGee, to explore science storytelling strategies for better knowledge translation.



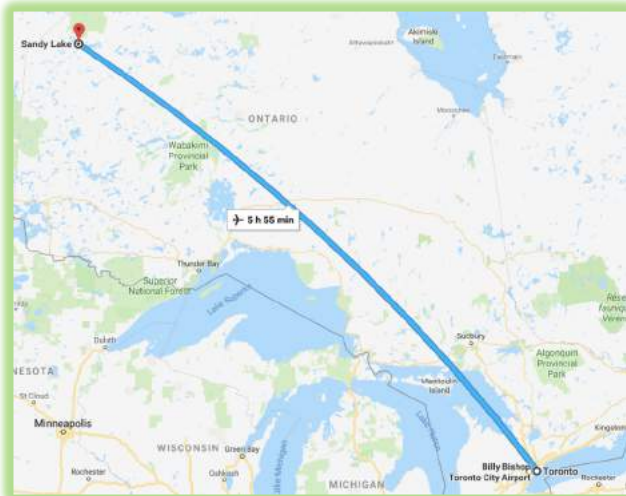
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Sandy Lake

Each year, we continue a tradition of collaborative outreach with the Sandy Lake First Nation community. A dedicated team of volunteers, in partnership with community leaders, develops and/or modifies tailored, hands-on activities that fit a theme determined through a needs-based assessment each year. Feedback from the community is collected for consideration in future years.

This year, the team created programming for a week-long summer camp (**to be held in August 2018**), including activities addressing ecology, nutrition, anatomy, and wellness. Volunteers also visited FNMI schools in the Greater Toronto Area in preparation for the onsite visit to Sandy Lake. We anticipate reaching approximately **50 students** between the ages of 5 and 10 (Grades 1-5) and will be sending **3 volunteers** to the Sandy Lake First Nation community to facilitate the 2018 summer camp!



Proximity of Sandy Lake First Nation community to Toronto

In partnership with



*with special thanks to
Gary Mamakeesic*

Acknowledgements

Photo Credits

Physics Day

Sandhya Mylabathula

StemCellTalks

Kenana Al Kakouni & Mikaela Stiver

Let's Talk Science Challenge

Janice Thiessen & Jen Ma

Let's Talk Cancer

Mikaela Stiver

Pharmaceutical Sciences Day

Sandhya Mylabathula

Volunteer Symposium

Caitlin Loo



StemCellTalks

Local Sponsors

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SickKids

Sunnybrook

Mars (Venue Partner)



Let's Talk Science Challenge

Regional Sponsors

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Pathology

Department of Physics

Department of Physiology

Prize Donations

C.J. Skateboard Park & School

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U of T Engineering Outreach (Jr. DEEP)

... and more!

UTSG Site Sponsors & Supporters

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Department of Physics

Faculty of Arts & Science

Faculty of Engineering

Faculty of Medicine

Let's Talk Science (National Office)

Royal Canadian Institute for Science

... and all of our AMAZING volunteers!

A special congratulations to
Moushumi Nath who
received the **National
Volunteer of the Year Award
for CurioCity** at the 2018
Let's Talk Science National
Conference in London, ON



**Celebrating 21 YEARS of Let's Talk Science at
the University of Toronto – St. George
... and counting!**