

Sun Life Gene Academic Program (SLAP) in Medical Science Research Day

SUN LIFE GENE TECHNIQUE SUPPORT CENTER, RESEARCH TRAINING CENTER Tele: 647 708 7868, 416 706-1262 email: [HYPERLINK "mailto:info@sunlifegene.com"](mailto:info@sunlifegene.com) info@sunlifegene.com

6th Annual SLAP Medical Science Research Day

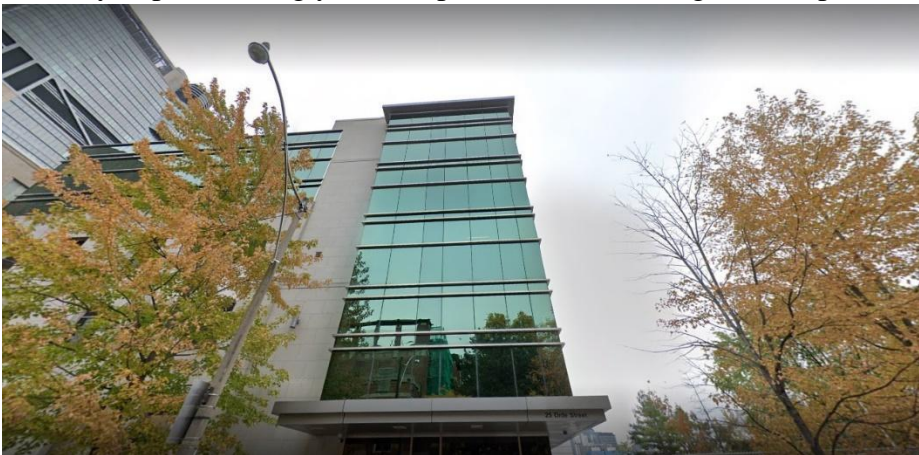
Sept 17, 2022 12:00pm-6:15pm

Location: Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital, Joseph & Wolf Lebovic Health Complex Research Conference Facility, 25 Orde Street Toronto, Ontario Canada M5T 3H7

The conference will be held in-person, but you will also be able to join virtually.

Join virtually by zoom meeting ID 85677906688 PW:805176

Would you please bring your computer when attending for oral presentation.



To all Students and Visiting Study Researcher, Families Members and Friends:

We are thrilled to host the 6th Sun Life Academic Program in Medical Science Annual Research Day with students, families and Popular Science Lectures in Toronto, Ontario Canada. Sun Life Gene Academic Summer Program (SLAP) mission is to inspire youth through participating in hands-on activities in the areas of Medical Science. We have a chance to bridge the gap between students and the 'real world' of Top Medical Science Research through these educational initiatives and prepare them for a world where related career opportunities.

We look forward to seeing you in the Research Day on Sept. 17, 2022

SLAP TEAM 2022


Co-Chair: Dr. AllinaDing Wang & Dr. Andras Nagy & Dr.Lily Guo

Academic committee: Dr. Andras Nagy , Professor in Faculty of Medicine, University of Toronto; Dr. Sheng Yi, Professor in Molecular Biology, York University; Dr. Wei Zhang, University of Guelph, and Dr. Allina Ding Wang Senior Scientist in Faculty of Medicine, University of Toronto

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Conference Schedule:

<p>12:00 -1:00pm</p>	<p>Registration & Welcome Lunch Sun Life Gene SLAP of Medical Science 2022 Group Photo Location in McCaul –Orde Park, 235 McCaul Street Dress code: Uniform dress for girls and Boy with formal outfits.</p> 
<p>1:15 – 2:30pm</p>	<p>Welcome Opening (1) Keynote speaking: Dr. Lily Guo , postdoctoral scientist in Dr Andras Nagy Lab, Faculty of Medicine, LTRI/MSH Topic:, Induced progenitor Cells (2) Keynote speaking: Dr. Nisha A. Gilotra , Director, Cardiac Sarcoidosis Program ,Assistant Professor of Medicine,John Hopkin University School of Medical , USA Topic: (A)COVID 19 and Heart (B) Keva Garg’s Research: Comparing the Omicron Mutations with other Sars-CoV-2 Variant of Concerns Location in Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital, Joseph & Wolf Lebovic Health Complex Research Conference Facility, 25 Orde Street Toronto, Ontario Canada M5T 3H7</p>
<p>2:30-5:10pm 2:30-2:40pm 2:40-2:50pm 2:50-3:00pm 3:00-3:10pm 3:10-3:20pm</p>	<p>Students Oral Presentation Final Competition Selected from 2022 SMSSRP 1) Jerry Wu Grade 12, IB program Upper Canada College (UCC),Toronto, ON Canada Topic: SSDNA Aptamer 2) Raymond Liu Grade 12, IB program Upper Canada College (UCC), Toronto, ON Canada Topic: X-Linked Inactivation and Rett Syndrome 3) Tony Qu Grade 12, AP program, Crescent School, Toronto, ON Canada Topic: Macrophages and Leishmaniasis 4) Sarina Sodha Grade 12, AP program, University of Toronto Schools (UTS), Toronto, ON Canada Topic: COVID19 and ACE2 5) Andrew Yang Grade 12, IB program, Richmond High school, Toronto, ON Canada Topic: Aplastic Anemia 6) Michelle Xu Grade 12, AP program, Markville Secondary school, Toronto, ON Canada Topic: The hippocampus and memory</p>

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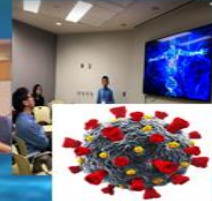
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3:20-3:30pm	Topic: The hippocampus and memory
3:30-3:40pm	7) Michael Wei Grade 11, University of Toronto Schools, Toronto, ON Canada Topic: PCR-Based Tests for detection Sars-Cov2 infections
3:40-3:50pm	8) Edward Dong Grade 11, IB program, student Victoria Park CI, Toronto, ON Canada Topic: Immunotherapy and Chemotherapy
3:50-4:00pm	9) Ivan Ho Grade 11, IB program Bayview Glen Independent School, Toronto, ON Canada Topic: The SarsCov2 Virus Genomic and protein function
4:00-4:10pm	10) Serena An IB program student Grade 10 student at Glenforest Secondary School Toronto, ON Canada Topic: Ferritin and COVID 19
4:10-4:20pm	11) Andy Lei , Grade 10 AP Program Appleby College, Oakville, ON, Canada Topic: T cells &NK cells Effects on Cancer
4:20-4:30pm	12) Alex Zhang Grade 10 IB program student, George Vanier Secondary school Topic: Bone Marrow transplantation
4:30-4:40pm	13) Lucy Zhou 2nd Year Undergraduate student, University of Toronto Topic: Optogenetics: The light switch for biological target and treatment for neurological disorders
4:40-4:50pm	14) Cullen Ye Grade 12, Tops Program , Marc Garneau Collegiate Institute, Toronto, ON Canada Topic: Muscle atrophy
4:50-5:00pm	15) Maruti Singh Grade 11, Tops Program, Marc Garneau Collegiate Institute Topic: The action of Antibody
5:00-5:10pm	(16) By Zoom Meeting William Hu Grade 12 in UTS, Currently in Washington University in St Louis Topic: The Role of Macrophages in Multiple Myeloma Tumorigenesis
5:30-6:00pm	Featured Research Keynote speaking: Dr. Wei Zhang, Professor, University of Guelph, Topic: Engineering protein-protein interactions to modulate cell signaling.
6:00-6:15pm	6th SLAP Annual Research Day Student Awards & 2022 Keva Garg Young Investigator Award in Medical Science
6:30-9:00pm	Dinner party and Gifts in Dim Sum King Seafood Restaurant 421 Dundas St W Toronto, ON M5T 2W4

SunLife Gene Academic Program (SLAP) in Medical Science

6th Annual SLAP Medical Sciences Research Day Sept. 17, 2022

Contact us at Research Training Center Tel: 647 7087868, 416 7061262
info@sunlifegene.com <http://www.sunlifegene.com>



REGISTRATION:

www.sunlifegene.com/events/

Conference Supporting and Organizer: Dr. Andras Nagy and SLAP TEAM

EVENT TIME: SEPTEMBER 17, 2022 SATURDAY 12:00PM TO 6:00PM IN PERSON

LOCATED: TORONTO CENTRE FOR PHENOGENOMICS (TCP)
25 ORDE STREET, TORONTO, ON, CA M5T 3H7

THE CONFERENCE WILL BE HELD IN-PERSON, BUT YOU WILL ALSO BE ABLE TO JOIN VIRTUALLY.
JOIN VIRTUALLY BY ZOOM MEETING ID 85677906688 PW:305176

Conference Schedule:

12:00-1:00pm Welcome & Lunch in McCaul –Orde Park, 235 McCaul Street

1:15-2:30pm Key note speaker Speaker/ Lecturers:

(1) Dr. Lily Guo, Postdoctoral scientist in Dr Andras Nagy Lab,
Faculty of Medicine, LTRI/MSH

Topic:, Induced progenitor Cells

(2) Dr. Nisha A. Gilotra , Director, Cardiac Sarcoidosis Program ,
Professor of Medicine, John Hopkin University

School of Medical ,USA

Topic: (A) COVID 19 and Heart

(B) Keva Garg's COVID 19 Research:

Comparing the Omicron Mutations with other Sars-CoV-2
Variant of Concerns

2:30-5:15pm Students Oral Presentation Final Competition

- 1) Jerry Wu Grade 12, IB program Upper Canada College (UCC) ,Toronto, ON Canada
- 2) Raymond Liu Grade 12, IB program Upper Canada College (UCC),Toronto, ON Canada
- 3) Tony Qu Grade 12, AP program, Crescent School, Toronto, ON Canada
- 4) Sarina Sodha Grade 12, AP program, University of Toronto Schools (UTS), Toronto, ON Canada
- 5) Cullen Ye Grade 12, Tops Program , Marc Garneau Collegiate Institute, Toronto, ON Canada
- 6) Andrew Yang Grade 12, IB program, Richmond High school, Toronto, ON Canada
- 7) Michelle Xu Grade 12, AP program, Markville Secondary school, Toronto, ON Canada
- 8) Michael Wei Grade 11, University of Toronto Schools, Toronto, ON Canada
- 9) Maruti Singh Grade 11, Tops Program , Marc Garneau Collegiate Institute
- 10) Edward Dong Grade 11, IB program, student Victoria Park CI, Toronto, ON Canada
- 11) Ivan Ho Grade 11, IB program Bayview Glen Independent School, Toronto, ON Canada
- 12) Serena An Grade 10, IB program student Toronto, ON Canada
- 13) Andy Lei, Grade 10 IB Program Appleby College, Oakville, ON, Canada
- 14) Alex Zhang Grade 10 IB program student, George Vanier Secondary school
- 15) Lucy Zhou 2nd Year Undergraduate student , University of Toronto
- 16) William Hu Grade 12 in UTS, Currently in Washington University
in St Louis (By Zoom Meeting)

5:30pm-6:00pm

Featured Research Keynote speaking:

Dr. Wei Zhang, Professor, University of Guelph,

Topic: Engineering protein-protein interactions to modulate cell signaling

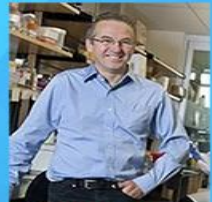
6:00-6:15pm 6th SLAP Annual Research Day Student Awards & 2022 Keva Garg Young Investigator Award in Medical Science

6:30pm-9:00pm Dinner Party in DimSum King Restaurant in 421 Dundas St W

SLAP team wish you overcome every challenge in this year and climb the ladder of success. Have a successful year ahead. All SLAP students are invited to showcase their Summer Medical Science Research. High school/ Undergraduate students completing their summer research project in the SLAP program or Faculty of Medicine in Universities are invited to submit a review paper abstract. Oral presentation or movies videos for the Medical Science knowledge competition in 2022.

Why you should get involved?

- To learn about and engage in independent research early on
- To present orally in a student research competition and win prizes
- To connect with researchers and trainees from diverse fields



Dr. Andras Nagy



Dr. Nisha Aggarwal Gilotra



Dr. Lily Guo



Dr. Wei Zhang



Dr. Vinay K. Aggarwal



Dr. Tianru Jin



Dr. Wenbin Liang



Dr. Wenhua Zheng



Dr. Allina Ding Wang



Dr. Yi Sheng



Dr. Yixi Luo

