



DEPARTMENT OF ONCOLOGY
STUDENT
RESEARCH DAY

18TH
ANNUAL

JUNE
21
2023

JURAVINKSI HOSPITAL
4TH FLOOR
A4 AUDITORIUM



The Department of Oncology and Faculty of Health Sciences at McMaster University are grateful to the following organizations for their support of Student Research Day.



The Stuart Jay Cohen Memorial Fund

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<https://www.surveymonkey.com/r/8885FF2>

ITINERARY

- 10:00 am–11:15 am** **Poster Viewing / Judging**
- 11:15 am–11:45 am** **Registration & Box Lunch Pick-Up**
- 11:45 am–12:00 pm** **Welcome from Co-Chairs**
Dina Khalaf, Assistant Professor
Aly-Khan Lalani, Assistant Professor
Department of Oncology, McMaster University
- Keynote Introduction**
Jonathan Sussman, Chair
Department of Oncology, McMaster University
- 12:00 pm–1:00 pm** **Keynote Presentation**
Anand Swaminath, Associate Professor
Department of Oncology, Division of Radiation Oncology
McMaster University
- 1:00 pm–2:30 pm** **Oral Presentations**
- 2:30 pm–2:45 pm** **Break / Poster Viewing**
- 2:45 pm–4:15 pm** **Oral Presentations**
- 4:15 pm** **Teaching Awards Presentation**
Aly-Khan Lalani & Dina Khalaf, Co-Chairs
Department of Oncology, McMaster University
- Acknowledgements and Closing**
Jonathan Sussman, Chair

KEYNOTE SPEAKER

Anand Swaminath

Associate Professor, Department of Oncology

Dr. Anand Swaminath is an Associate Professor, Clinician Scientist and Radiation Oncologist at the Juravinski Cancer Centre, McMaster University, Hamilton.



Dr. Swaminath received his medical degree from the University of Ottawa, finished residency training at McMaster University, and completed a clinical-research fellowship in image-guided radiotherapy/SBRT for lung and liver cancer at the Princess Margaret Cancer Centre.

His clinical and research interests are in the application of new technologies in radiation therapy, specifically SBRT for a wide variety of indications including lung, kidney and liver cancer, both for symptom control and in the management of metastatic disease.

Dr. Swaminath is a PI or radiation lead on several local, national and international trials evaluating SBRT in both the primary and metastatic setting. Some trial highlights include serving as lead on the Canadian LUSTRE randomized lung SBRT trial and radiation lead on the CYTOSHRINK and RADSTER trials in kidney cancer. He has authored or co-authored more than 80 peer reviewed publications and book chapters and has obtained several large-scale grants through CIHR and CCSRI for trials that both locally and nationally involve the evaluation of SBRT in the primary and metastatic setting.

IN-PERSON POSTER PRESENTATIONS



10 - 10:15 AM | Group A

Alannah Wilson

Graduate Student,
BioMedical Sciences
McMaster University

Bone Marrow Microenvironment Contributes to Venetoclax Resistance in Acute Myeloid Leukemia Through MCL-1 Overexpression.
Supervisor: Tobias Berg

10 - 10:15 AM | Group B

Pooya Dibajnia

Resident,
Medical Oncology
McMaster University

Case report: safe bevacizumab administration in a metastatic appendiceal cancer with malignant cutaneous fistula.
Supervisor: Brandon Meyers

10:15 - 10:30 AM | Group A

Jasleen Uppal

Undergraduate,
Medical Radiation Sciences
McMaster University

Patient Perceptions on being Prescribed Medication by an Advanced Practice Radiation Therapist.
Supervisors: Salman Arif, Marcia Smoke, Tom Farrell, Lillian Doerwald-Munoz

10:15 - 10:30 AM | Group B

Anath Lionel

Resident,
Hematology
McMaster University

Hemophagocytic Lymphohistiocytosis (HLH) After Allogeneic HSCT For Relapsed DLBCL In The Setting Of STK4 Immunodeficiency.
Supervisor: Tobias Berg

10:30 - 10:45 AM | Group A

Zeba Siddiqui

Resident,
Medical Oncology
McMaster University

Use of Antibiotics and Outcomes of Patients Presenting to Emergency Department with Non-Neutropenic Fever and/or Suspected Infection.
Supervisor: Peter Ellis

10:30 - 10:45 AM | Group B
Sze Wah Samuel Chan

Resident,
Internal Medicine
McMaster University

Immune Checkpoint Induced Skin Toxicity Masked as Squamous Cell Carcinoma: Case Report on Mimickers of Dermato-logical Toxicity with PD-1 inhibition.
Supervisor: Rosalyn Juergens

10:45 - 11:00 AM | Group A
Katherine Dalkie

Undergraduate,
Medical and Biological Physics
McMaster University

The Radiological Effect of High-Density Fiducial Markers.
Supervisor: Kevin Diamond

10:45 - 11:00 AM | Group B
Joanne Britto

Fellow,
Malignant Hematology
McMaster University

The impact of the integration of PROMs into cancer care; a systematic review and meta-analysis.
Supervisors: Amaris Balitsky

11:00 - 11:15 AM | Group A
Jonah Rakoff

Undergraduate,
Medicine
McMaster University

Values and preferences towards antithrombotic therapy in patients with myeloproliferative neoplasms: a qualitative study.
Supervisor: Christopher Hillis

11:00 - 11:15 AM | Group B
Samreen Javed Chaudry

Fellow,
Radiation Oncology
McMaster University

Stereotactic Radiotherapy for the re-treatment of pelvic and para-aortic disease in gynecologic cancers.
Supervisor: Kara Schnarr

ORAL PRESENTATIONS



1:00 - 1:15 PM

Joanne Britto

Fellow,
Malignant Hematology
McMaster University

Risk of Cancer-Specific Death Among Octogenarians With Multiple Myeloma: A Population-Based Analysis.

Supervisor: Hira Mian

1:15 - 1:30 PM

Daniel Schep

Resident,
Radiation Oncology
McMaster University

Evaluation Of Volumetric Response Assessment From Stereotactic Ablative Radiotherapy (Sabr) For Renal Cell Carcinoma (Rcc).

Supervisor: Anand Swaminath

1:30 - 1:45 PM

Emily Hartung

Graduate,
Biochemistry
and Medical Sciences
McMaster University

Role of myeloid transcription factor networks in the response of normal and malignant stem cells to LSD1 inhibition.

Supervisor: Tobias Berg

1:45 - 2:00 PM

Namya Mehan

Undergraduate,
Health, Engineering
Science &
Entrepreneurship
McMaster University

Can computer-extracted imaging features or radiomics from 18-F-fluorodeoxyglucose (FDG) -PET-CT images of metastatic cancer patients indicate the type of the cancer?

Supervisor: Ashirbani Saha

2:00 - 2:15 PM

Nathan Cantor

Undergraduate,
Medicine
McMaster University

Oncologists' experiences with virtual care: Validating provider satisfaction with a novel questionnaire.

Supervisor: Amaris Balitsky

2:15 - 2:30 PM

Mithilesh Kumar

Undergraduate,
Health Engineering
Science &
Entrepreneurship
McMaster University

Evaluating the effectiveness of artificial intelligence tools for the automation of systematic reviews in cancer research: A Systematic Review.

Supervisor: Xiaomei Yao

2:30 - 2:45 PM

BREAK

2:45 - 3:00 PM

Jalen Manett

Undergraduate,
Medicine
McMaster University

Identifying modifiable risk factors for surgical site infection following gynecological oncology surgery: a quality improvement project.

Supervisors: Andra Nica and Clare Reade

3:00 - 3:15 PM

Michael Xie

Fellow,
Otolaryngology, Head
and Neck Surgery
McMaster University

Impact of sarcopenia in adults with head and neck cancer on acute post-operative morbidity: a systematic review and meta-analysis.

Supervisor: Nhu Tram Nguyen

3:15 - 3:30 PM

Yu Yan

Graduate,
Medical Sciences
McMaster University

LSD1 Inhibition in AML is a Relevant Maintenance Strategy After Allogeneic Stem Cell Transplantation.

Supervisor: Tobias Berg

3:30 - 3:45 PM

Gaurav Talwar

Resident,
Surgery
McMaster University

The Impact of Operative Approach for Obese Colorectal Cancer Patients: Analysis of the National Inpatient Sample 2015-2019.

Supervisor: Sameer Parpia

ORAL PRESENTATIONS Cont'd

3:45 - 4:00 PM

Katherine Taplin

Undergraduate,
Health Sciences
McMaster University

An international survey of SBRT/SABR Patterns of Practice for Primary Renal Cell Carcinoma (RCC).

Supervisor: Anand Swaminath

4:00 - 4:15 PM

Danica Jekic

Undergraduate,
University of Limerick
School of Medicine

Defining content for a novel end-of-life communication training curriculum for oncology residents through a Modified Delphi process.

Supervisor: Oren Levine

ONLINE POSTERS



Scan the QR code on the back of this program to view all of the online posters.

Shreyash Dalmia

Resident,
Hematology
McMaster University

Monoclonal Immunoglobulin Deposition Disease – A Scoping Review.

Supervisor: Mohammed Aljama

Robert Cowan

Research Associate,
Biology
McMaster University

Determining the function of Kaiso in cancer cell cycle regulation.

Supervisor: Juliet Daniel

Matthew Paquali

Undergraduate,
Medicine
McMaster University

A case of acquired hemophilia A after allogeneic stem cell transplant in a patient with AML.

Supervisor: Dina Khalaf

Russell Leong

Undergraduate,
Health Sciences
McMaster University

Exploring treatment patterns and outcomes for patients with synchronous oligometastatic breast cancer at the Juravinski Cancer Centre.
Supervisor: Oren Levine

Lorin Dodbiba

Fellow,
Medical Oncology
McMaster University

Optimal clinicopathological characteristics that influence prognosis of men with metastatic castrate resistant prostate cancer treated with Radium223.
Supervisor: Sebastien Hotte

Conor O'Donnell

Resident,
Medical Oncology
McMaster University

Stereotactic Body Radiation Therapy in the Treatment of Advanced Hepatocellular Carcinoma.
Supervisor: Brandon Meyers

Yuchen Li

Resident,
Medical Oncology
McMaster University

Validation and Reliability Study of the Patient Self-Administered Financial Effects (P-SAFE) Questionnaire in Common Cancers.
Supervisor: Christopher Longo

Stephanie Ali Fairbairn

Graduate,
Biology
McMaster University

The correlation of Kaiso and androgen receptor expression in triple-negative breast cancer.
Supervisor: Juliet Daniel

Lindyann Lessey

Graduate,
Biology
McMaster University

The opposing roles of Kaiso and p120ctn in intestinal inflammation and Colitis-associated cancer.
Supervisor: Juliet Daniel

Simon Wang

Graduate,
Medical Sciences
McMaster University

Evaluation of Potential Protective Effects of Salicylate Against Radiation Induced Injury in Lung, Liver, and Against Radiation Induced Injury in Lung, Liver, and Heart Tissue.
Supervisor: Theos Tsakiridis

ORAL PRESENTATION JUDGES



Anand Swaminath

Associate Professor, Oncology
Division of Radiation Oncology
McMaster University

Peter Ellis

Professor, Oncology
Division of Medical Oncology
McMaster University

Valerie Francescutti

Associate Professor, Surgery
Division of General Surgery
McMaster University

Ronan Foley

Professor, Oncology
Division of Malignant Hematology
McMaster University

THANK YOU TO ALL OUR JUDGES

IN-PERSON POSTER JUDGES



Mira Goldberg

Assistant Professor, Oncology
Division of Radiation Oncology
McMaster University

Arani Sathiyapalan

Assistant Professor, Oncology
Division of Medical Oncology
McMaster University

Amaris Balitsky

Assistant Professor, Oncology
Division of Malignant Hematology
McMaster University

John Goffin

Associate Professor, Oncology
Division of Medical Oncology
McMaster University

2022-2023 TEACHING AWARDS



MEDICAL ONCOLOGY TEACHING AWARD, 2022-23 **DEPARTMENT OF ONCOLOGY, MCMASTER UNIVERSITY**

Elaine McWhirter

Dr. McWhirter is a Staff Medical Oncologist at the Juravinski Cancer Centre (JCC) in Hamilton, and an Associate Professor at McMaster University. She is the Chair of the Melanoma/Skin Disease Site Team at the Juravinski Cancer Centre. She received her BSc, MSc (Microbiology) and Medical degrees from the University of Toronto. Training in Medical Oncology continued in Toronto; she completed a fellowship in Investigational New Drugs at Princess Margaret Hospital. Her interests include New Drug Development in Melanoma and Gastrointestinal Cancers, immunotherapy toxicities and melanoma prevention. She is a member of the Melanoma Disease Site Group of the Cancer Care Ontario Program in Evidence-Based Care. She is a Board member of Melanoma Canada, and is the Head of their Medical Advisory Committee. She is the local PI on a number of international clinical trials in melanoma and GI malignancies.

RADIATION ONCOLOGY TEACHING AWARD, 2022-23 **DEPARTMENT OF ONCOLOGY, MCMASTER UNIVERSITY**

Elysia Donovan

Dr. Donovan is a graduate of the McMaster Radiation Oncology residency program and completed a fellowship in stereotactic body radiotherapy at McMaster DRO as well. She did a concurrent Master's in Health Research Methodology, Clinical Epidemiology as part of the Ministry of Health Clinical Investigator Program and received a year of MOH CIP grant funding. She then worked at Sunnybrook Odette Cancer Center / UofT for two years as a Radiation Oncologist prior to returning to the Juravinski Cancer Center to treat breast and gynecologic cancers. Her research interests include stereotactic body radiotherapy for oligometastatic and oligoprogressive cancers and intracavitary/interstitial brachytherapy. She has received a number of research grants for prospective clinical trials, and has a keen interest in supervising trainee research projects.