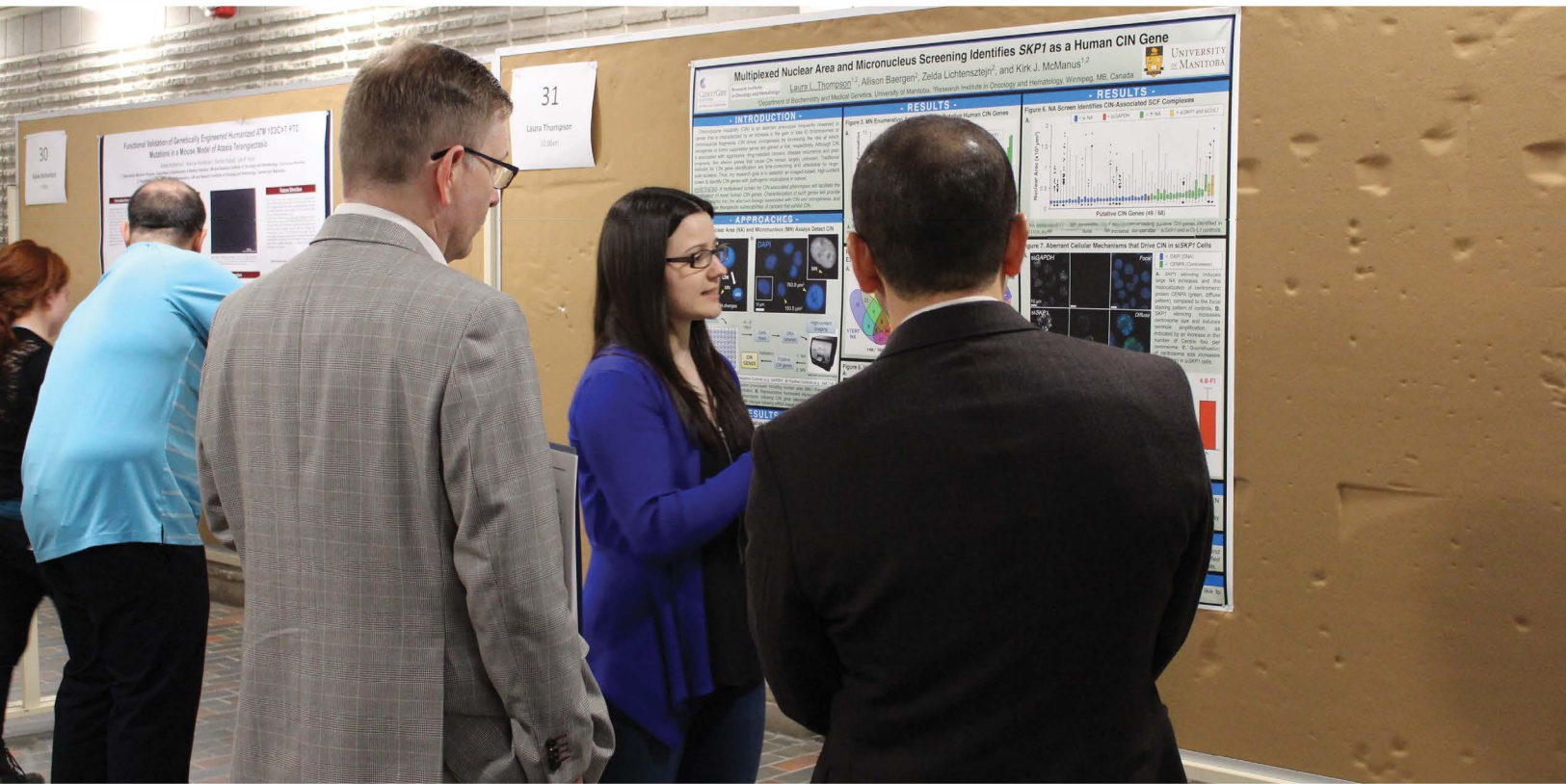


# CancerCare Manitoba Research Day



May 30, 2024 | 8:30 a.m. - 4:30 p.m.

CancerCare Manitoba Lecture Theatre & 2<sup>nd</sup> Floor Atrium

**KEYNOTE PRESENTATION:**

*Implementing research and other passion projects of a former bench scientist*

**Time: 1:15 p.m. - 2:15 p.m**

**Location: CCMB Lecture Theatre, ON2134**



Our Keynote Speaker will join us in-person:

**Dr. Christine Williams** PhD

Executive Vice President and Head of Implementation Science  
Ontario Institute for Cancer Research  
Executive Director, Canadian Pediatric Cancer Consortium  
Member, Scientific Advisory Board, CancerCare Manitoba

Dr. Christine Williams is an immunologist and currently serves as the Executive Vice President and Head of Implementation Science at the Ontario Institute for Cancer Research (OICR) and is the Executive Director at the Canadian Pediatric Cancer Consortium.

She received a degree in Life Sciences from Queen's University and a PhD in Immunology from the University of Toronto. She received postdoctoral training at Massachusetts General Hospital and Harvard University where she studied the molecular pathways involved in the development of leukemia and lymphoma in children. Prior to her role at OICR, she held leadership positions at the National Cancer Institute of Canada and the Canadian Cancer Society.

She is currently a member of several boards and advisory committees, including the Canadian Institutes of Health Research, North York General Hospital, The Canadian Cancer Trials Group and various other research, healthcare and community organizations.

## PANEL FOR ORAL PRESENTATIONS

**Dr. David Dawe, MD**

Medical Oncologist, Department of Medical Oncology and Hematology, CancerCare Manitoba  
Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Assistant Professor, Internal Medicine, University of Manitoba

**Dr. Naseer Ahmed, MD**

Radiation Oncologist, Department of Radiation Oncology, CancerCare Manitoba  
Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Associate Professor, Department of Radiology, University of Manitoba

**Dr. Julian Kim, MD**

Radiation Oncologist, Department of Radiation Oncology, CancerCare Manitoba  
Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Assistant Professor, Department of Radiology, University of Manitoba

**Dr. Sachin Katyal, PhD**

Senior Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Associate Professor, Department of Pharmacology & Therapeutics, University of Manitoba

**Dr. Afshin Raouf, PhD**

Senior Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Associate Professor, Department of Immunology, University of Manitoba

**Dr. Versha Banerji, MD**

Hematologist, Department of Medical Oncology and Hematology, CancerCare Manitoba  
Senior Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Associate Professor, Departments of Internal Medicine and Biochemistry & Medical Genetics, University of Manitoba



## PANEL FOR POSTER PRESENTATIONS

### **Dr. Christine Kim, MD**

Medical Oncologist, Department of Medical Oncology and Hematology, CancerCare Manitoba  
Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Assistant Professor, Department of Internal Medicine, University of Manitoba

### **Dr. Lawrence Ryner, PhD**

Medical Physicist, Department of Medical Physics, CancerCare Manitoba  
Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Adjunct Professor, Department of Physics, University of Manitoba

### **Dr. Issai Vanan, MD**

Pediatric Oncologist, Department of Pediatric Oncology, CancerCare Manitoba  
Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Assistant Professor, Department of Pediatrics & Child Health, University of Manitoba

### **Dr. Michael Charette, PhD**

Adjunct Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Assistant Professor, Department of Chemistry, Brandon University

### **Dr. Cedric Tremblay, PhD**

Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Assistant Professor, Department of Immunology, University of Manitoba

### **Dr. Shantanu Banerji, MD**

Medical Oncologist, Department of Medical Oncology and Hematology, CancerCare Manitoba  
Senior Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba  
Associate Professor, Department of Internal Medicine, University of Manitoba



## ORAL PRESENTATIONS

Location: ON2134, Lecture Theatre, CancerCare Manitoba

8:30 a.m.	<i>Light Breakfast and Refreshments</i> <i>Location: 2nd floor atrium, CancerCare Manitoba</i>
9:00 a.m.	<b>OPENING REMARKS</b> Dr. Kathleen Decker, Co-Chair, CCMB Research Day Committee
9:05 a.m.	GALLARDO, Flynn — BSc Med, Department of Surgery, University of Manitoba <b>Endoscopic Ultrasound-Guided Core Needle Biopsies (EUS-CNB): Safe &amp; Effective Approach for Diagnosing Lymphoma in Patients with Mediastinal Lymphadenopathy</b> Supervisor: Dr. Biniam Kidane
9:17 a.m.	HONG, Julie Jung Min — Resident Physician, Department of Internal Medicine, University of Manitoba <b>Sex Dimorphism in Chronic Lymphocytic Leukemia correlating with biomarkers of frailty and CIRS score</b> Supervisors: Drs. David Dawe and Versha Banerji
9:29 a.m.	JIA, Sangyang — Resident Physician, Department of Internal Medicine, University of Manitoba <b>Implementation and assessment of an advanced practice nurse-led early palliative care initiative for patients with advanced pancreatic cancer</b> Supervisor: Dr. Christina Kim
9:41 a.m.	TAVAKOL, Asieh — Masters, Department of Medical Physics, University of Manitoba <b>Morphological assessment of synthetic CT images generated from a Flexible Ultra Short Echo Time (FUSE) Sequence: Beyond using the DICE similarity coefficient</b> Supervisor: Dr. Niranjana Venugopal
9:53 a.m.	ZHANG, Shen — Resident Physician, Department of Radiation, University of Manitoba <b>Identification of Barriers to Noona (TM) Adoption Amongst Prostate Cancer Patients Undergoing Curative Radiotherapy at a Canadian Provincial Cancer Program</b> Supervisor: Dr. Julian Kim
10:05 a.m.	<b>POSTER SESSION &amp; BREAK (120 minutes)</b> <i>Location: 2nd floor atrium, CancerCare Manitoba</i>



Paul Albrechtsen

Research Institute  
CancerCareManitoba

Institut de recherche  
ActionCancerManitoba

## POSTER PRESENTATIONS

Location: 2nd floor atrium, CancerCare Manitoba

Poster # 1 10:05 a.m.	<p>ABDUALLAH, Yaqeen — Resident Physician, Department of Internal Medicine, University of Manitoba</p> <p><b>Population-based analysis of outcomes in acute myeloid leukemia from a provincial cancer registry and the Canadian Cancer Registry: a population-based retrospective cohort study</b></p> <p>Supervisors: Drs. Kristjan Paulson and Brett Houston</p>
Poster # 10 10:05 a.m.	<p>AFSHARI, Havva — Masters, Department of Biochemistry &amp; Medical Genetics, University of Manitoba</p> <p><b>Determining kinase activation states in chronic lymphocytic leukemia (CLL) through multiplexed mass spectrometry</b></p> <p>Supervisor: Dr. Rene Zahedi</p>
Poster # 2 10:17 a.m.	<p>AYROSO, Marco — Masters, Department of Community Health Sciences, University of Manitoba</p> <p><b>Isolated Restricted Diffusion at admission predicts survival in patients of Glioblastoma (IRD-GBM)- A prospective pilot study</b></p> <p>Supervisors: Drs. Jai Shankar and Depeng Jiang</p>
Poster # 11 10:17 a.m.	<p>AMARASINGHE, Ovini — Masters, Department of Immunology, University of Manitoba</p> <p><b>THE LMO2 ONCOGENE ESTABLISHES AUTOCRINE FLT3 SIGNALLING IN T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA</b></p> <p>Supervisor: Dr. Cedric Tremblay</p>
Poster # 3 10:29 a.m.	<p>DAINHI, Céline — Undergraduate, Department of Surgery, University of Manitoba</p> <p><b>Beta Testing Evaluation and Usability study for a Risk-Stratified Patient Decision Aid to Improve the Appropriateness of Postoperative Extended Thromboprophylaxis in Patients Undergoing Major Abdominal Surgery (TPDA Study)</b></p> <p>Supervisor: Dr. Megan Delisle</p>
Poster # 12 10:29 a.m.	<p>ANONNA, Shamima Nasrin — Masters, Department of Biology, Brandon University</p> <p><b>Investigating the roles of TXNDC12 in Breast Cancer</b></p> <p>Supervisor: Dr. Mousumi Majumder</p>
Poster # 4 11:41 a.m.	<p>DUBE, Sheen — Undergraduate, Department of Radiation Oncology, CancerCare Manitoba</p> <p><b>Evaluation of Auto-Segmentation Software Packages in Radiation Oncology: Analysis of Contouring Accuracy of Pelvic Structures</b></p> <p>Supervisor: Dr. Niranjan Venugopal</p>
Poster # 13 11:41 a.m.	<p>GATIEN, Beatrice Grace — Undergraduate, Department of Biology, Brandon University</p> <p><b>Investigating DOX-COX Interactions in Breast Cancer</b></p> <p>Supervisor: Dr. Mousumi Majumder</p>



**Paul Albrechtsen**

Research Institute  
CancerCareManitoba

Institut de recherche  
ActionCancerManitoba



## POSTER PRESENTATIONS

Location: 2nd floor atrium, CancerCare Manitoba

Poster # 5 10:53 a.m.	HANSON, Kaitlyn — BSc Med, Department of Pediatric Oncology, CancerCare Manitoba <b>Experiences of Racially, Ethnically, Gender, and Sexually Diverse Adolescents and Young Adults with Cancer: A Qualitative Analysis</b> Supervisor: Dr. Sapna Oberoi
Poster # 14 10:53 a.m.	MIAO, Deanne Nixie — PhD, Department of Biochemistry & Medical Genetics, University of Manitoba <b>Development of a Polygenic Score to Predict Cisplatin-Induced Ototoxicity</b> Supervisor: Dr. Britt Drögemöller
Poster # 6 11:05 a.m.	JHANJI, Gursagar — Summer Student, Department of Surgery, University of Manitoba <b>Organ-preserving therapy for higher-risk esophageal cancer</b> Supervisor: Dr. Biniam Kidane
Poster # 15 11:05 a.m.	OBI, Patience — PhD, Applied Health Science, University of Manitoba <b>The pro-apoptotic effect of chronic contractile activity-induced extracellular vesicles on Lewis Lung Carcinoma cells</b> Supervisor: Dr. Ayesha Saleem
Poster # 7 11:17 a.m.	LYUBETSKA, Hanna — Resident Physician, Department of Medical Oncology and Hematology, CancerCare Manitoba <b>Provincial treatment practices &amp; toxicities in patients with early stage HER2 positive breast cancer</b> Supervisors: Drs. Christina Kim and Debjani Grenier
Poster # 16 11:17 a.m.	OZERKILIG, Berkay — PhD, Applied Health Science, University of Manitoba <b>Exercise-induced extracellular vesicles mediate apoptosis in human colon cancer cells in a exercise intensity-dependent manner</b> Supervisor: Dr. Ayesha Saleem
Poster # 8 11:29 a.m.	MUTUA, Florence — Scientific Officer, Department of Radiation Oncology, CancerCare Manitoba <b>Clinical outcomes and toxicity assessment of cervical cancer in HIV-positive women treated with radiation therapy or chemoradiation: A Systematic Review</b> Supervisors: Drs. Saranya Kakumanu and Rashmi Koul
Poster # 17 11:29 a.m.	PAUL, Prasanta — Post-Doc Fellow, Department of Internal Medicine, University of Manitoba <b>IBRUTINIB AND VENETOCLAX COMBINATION REINFORCES ELIMINATION OF CHRONIC LYMPHOCYTIC LEUKEMIC (CLL) CELLS</b> Supervisors: Drs. Versha Banerji and Rene Zahedi



Paul Albrechtsen

Research Institute  
CancerCareManitoba

Institut de recherche  
ActionCancerManitoba

## POSTER PRESENTATIONS

<p>Poster # 9 11:41 a.m.</p>	<p>PATIL, Nikunj — Clinical Fellow, Department of Radiation Oncology, CancerCare Manitoba</p> <p><b>Clinical outcomes of molecular glioblastoma IDH-wildtype: a retrospective study</b></p> <p>Supervisors: Dr. Saranya Kakumanu</p>
<p>Poster # 18 11:41 a.m.</p>	<p>WU, Elly — Research Associate, Department of Biochemistry &amp; Medical Genetics, University of Manitoba</p> <p><b>Identifying ac4C RNA bases in nanopore direct RNA sequencing data in human brain tissues</b></p> <p>Supervisor: Dr. Athanasios Zovoilis</p>
<p>12:00 p.m.</p>	<p><b>75 MINUTE LUNCH BREAK</b> <i>Meal and Refreshments available on the 2nd floor atrium, CancerCare Manitoba</i></p>
<p>1:15 p.m.</p>	<p>Introduction by Jim Slater, Chief of Research Administration and Operations</p> <p><b>KEYNOTE PRESENTATION:</b> <i>Implementing research and other passion projects of a former bench scientist</i></p> <p><b>Dr. Christine Williams, PhD</b> Executive Vice President and Head of Implementation Science Ontario Institute for Cancer Research Executive Director, Canadian Pediatric Cancer Consortium Member, Scientific Advisory Board, CancerCare Manitoba</p>



## ORAL PRESENTATIONS

Location: ON2134, Lecture Theatre, CancerCare Manitoba

<b>2:25 p.m.</b>	LAYUG, Paul Jerard — Masters, Department of Biochemistry & Medical Genetics, University of Manitoba <b>Precise fine-tuning of CD19 CAR expression to mitigate T-cell exhaustion in CAR T cell therapy</b> Supervisor: Dr. Yale Michaels
<b>2:37 p.m.</b>	ONG, Gideon — PhD, Department of Human Anatomy & Cell Science, University of Manitoba <b>IRE1 signaling increases PERK during chronic endoplasmic reticulum stress in Triple Negative Breast Cancer</b> Supervisor: Dr. Susan Logue
<b>2:49 p.m.</b>	RAZI, Tooba — BSc Med, Department of Biochemistry & Medical Genetics, University of Manitoba <b>Targeting CHEK1 induces synthetic lethal killing in FBXO7-deficient colorectal cells.</b> Supervisor: Dr. Kirk McManus
<b>3:01 p.m.</b>	ROZOVSKY, Tim — Masters, Physiology & Pathophysiology, University of Manitoba <b>Is Empagliflozin equivalent and/or synergistic with ACE inhibition in the prevention of chemotherapy mediated cardiotoxicity?</b> Supervisor: Dr. Davinder Jassal
<b>3:13 p.m.</b>	RUTHERFORD, Kailee — PhD, Department of Biochemistry & Medical Genetics, University of Manitoba <b>USP4 Loss: A Novel Determinant of Chromosome Instability that May Drive Colorectal Cancer Development</b> Supervisor: Dr. Kirk McManus
<b>3:25 p.m.</b>	TIEDE, Tiana — BSc Med, Department of Surgery, University of Manitoba <b>Extracellular Vesicles as Biomarkers of Early Recurrence Post Lung Cancer Resection</b> Supervisors: Drs. Ayesha Saleem and Biniam Kidane
<b>3:37 p.m.</b>	TOPOLNITSKA, Diana — PhD, Department of Immunology, University of Manitoba <b>Comparison of the tumor-infiltrating and tumor-adjacent cytotoxic T-cells reveals the uncoupling of exhaustion marker expression to their effector functions in breast cancer tumors</b> Supervisor: Dr. Afshin Raouf



Paul Albrechtsen

Research Institute  
CancerCareManitoba

Institut de recherche  
ActionCancerManitoba

3:50 p.m.	<b>25 MINUTE BREAK</b>
4:15 p.m.	<b>PRESENTATION OF AWARDS</b> Jim Slater, Chief of Research Administration and Operations  <b>CLOSING REMARKS</b> Dr. Brett Houston, Co-Chair, CCMB Research Day Committee



**Paul Albrechtsen**

Research Institute | Institut de recherche  
CancerCareManitoba | ActionCancerManitoba

**CancerCare Manitoba would like to thank all of our generous donors who supported  
Research Day through our Foundation**



*All funds raised stay in Manitoba.*

**2024 CancerCare Manitoba Research Day Committee:**

**Dr. Brett Houston**, MD PhD (Co-Chair)

Hematologist, CancerCare Manitoba

Assistant Professor, Department of Internal Medicine, University of Manitoba

Scientist, Paul Albrechtsen Research Institute CancerCare Manitoba

**Dr. Kathleen Decker**, PhD (Co-Chair)

Senior Scientist and Lead, Health Services Research, Paul Albrechtsen Research Institute

CancerCare Manitoba

Senior Epidemiologist, CancerCare Manitoba

Associate Professor, Department of Community Health Sciences, University of Manitoba


**Jim Slater**, ART(MLT), BSc, MBA

Chief of Research Administration and Operations

Paul Albrechtsen Research Institute CancerCare Manitoba

**Ashley Sitarz**, BSc

Administrative Officer, Paul Albrechtsen Research Institute CancerCare Manitoba

 @CCMBResearchInstitute

 @CCMB\_Research



**Paul Albrechtsen**

Research Institute  
CancerCareManitoba

Institut de recherche  
ActionCancerManitoba