



KEYNOTE SPEAKER

Dr. Eliezer Van Allen

Associate Professor of Medicine,
Harvard Medical School
Chief, Division of Population Sciences,
Dana-Farber Cancer Institute

As both a medical oncologist and computational biologist, Dr. Van Allen develops algorithms to dissect high-dimensional data directly from cancer patients and uses these insights to address major open questions in the field. His research has led to significant advances in understanding the molecular origins of cancer, using artificial intelligence to discover novel resistance mechanisms to cancer therapies, and defining how genomics can guide clinical decision-making. Through these initiatives, he created the field of clinical computational oncology to advance and enable precision cancer medicine worldwide.

Originally from Los Angeles, CA, Dr. Van Allen studied Symbolic Systems at Stanford University, obtained his M.D. from UCLA, and completed a residency in internal medicine at UCSF before coming to Boston and completing a medical oncology fellowship at the Dana-Farber/Harvard Cancer Center program.

Featuring trainee talks from

**Varsha
Thoppey
Manoharan**
PhD Candidate



Lisa Yamaura
PhD Candidate



**Dr. Pedram
Mojabi**
Postdoctoral
Fellow



Samir Assaf
PhD Candidate



Presenting our Charbonneau Service Award recipients

Reception to take place during
the poster session



9th Annual Charbonneau Cancer Research Symposium

May 10, 2024

8:30 am - 4:30 pm

Theatre 4

Arnie Charbonneau
Cancer Institute





SCHEDULE

May 10, 2024

SESSION 1 | Chair: Dr. Jongbok Lee

- 10:05 AM – 10:30 AM
Dr. Ana Nikolic, Assistant Professor, Department of Pathology and Laboratory Medicine
“Unmasking the many faces of glioblastoma heterogeneity”
- 10:30 AM – 10:45 AM
Varsha Thoppey Manoharan, PhD Candidate supervised by Dr. Sorana Morrissy
“Spatiotemporal modeling reveals high-resolution invasion states in glioblastoma”
- 10:45 AM – 11:00 AM
Coffee Break
- 11:05 AM – 11:30 AM
Dr. Omar Khan, Clinical Assistant Professor, Department of Oncology
Topic: AI Revolution in Cancer Research and Care
- 11:30 AM – 11:45 AM
Lisa Yamaura, PhD Candidate supervised by Dr. Prism Schneider
“Is systemic inflammation associated with venous thromboembolism in orthopaedic surgery patients with metastatic bone diseases?”
- 11:45 AM – 1:00 PM
Conference Lunch in the HRIC Atrium

SESSION 2 | Chair: Dr. Khara Sauro

- 1:10 PM – 1:35 PM
Dr. Jongbok Lee, Assistant Professor, Department of Biochemistry & Molecular Biology
“Double-negative T cell: Platform for “off-the-shelf” immune-cell based therapy against cancer”
- 1:35 PM – 1:50 PM
Dr. Pedram Mojabi, Postdoctoral Fellow supervised by Dr. Elise Fear
“Use of Microwave Imaging to Monitor Treatment Response in Breast Cancer”
- 1:50 PM – 2:05 PM
Samir Assaf, PhD Candidate supervised by Dr. Sam Weiss
“Epigenetic and transcriptional crosstalk between DOTIL and the Mediator complex coordinates glioblastoma stem cell differentiation and growth arrest”
- 2:05 PM – 2:30 PM
Dr. Darren Brenner, Associate Professor, Department of Oncology
“R-E-S-P-E-C-T - find out what it means to me... Research Examining SusPicious and Emerging Cancer Trends”
- 2:30 PM – 4:00 PM
Poster Session with Reception in the HRIC Atrium

- 8:30 AM – 9:00 AM
Registration desk outside Theatre 4
- 9:00 AM – 9:05 AM
Welcome address from **Dr. Jennifer Chan**, Director, Charbonneau Cancer Institute, and introduction of Dr. Eliezer Van Allen
- 9:05 AM – 10:00 AM
KEYNOTE LECTURE
Dr. Eliezer Van Allen, Associate Professor, Harvard Medical School
“Enhancing precision cancer medicine through computational oncology”

Sponsor Recognition:



- 4:00 PM – 4:45 PM
Charbonneau Service Awards presented by Dr. Aaron Goodarzi
Presentation of Awards for Trainee Posters & Oral Talks
Closing Remarks