

Snyder Research Day 2025

DISCOVERIES IN THE MULTI-OMICS ERA

Sept 23 | Theatre 4
9:00 am - 6.00 pm



UNIVERSITY OF CALGARY
CUMMING SCHOOL OF MEDICINE



Calvin, Phoebe and Joan
Snyder Institute
for Chronic Diseases

Schedule

8:30 to 9:00 am | Research Day Check In |
Foyer outside of Theatre 4

9:00 to 9:15 am | Opening Remarks by Dr. Derek McKay and Dr. Todd Anderson

Session One **Chair: Dr. Joelle St-Pierre**

9:15 - 9:55 am | Chronic pain in inflammatory bowel disease – of microbes and (wo)men | Presented by Dr. Yasmin Nasser

9:55 - 10:35 am | The fragile balance: molecular poise underlying gut regeneration and its collapse in inflammatory bowel disease | Presented by Dr. Arshad Ayyaz

10:35 - 11:15 am | Not just pain: the multifaceted roles of sensory neurons | Presented by Dr. Christophe Altier

11:15 - 11:30 am | **Coffee Break** | **HRIC Atrium**

Session Two **Chair: Dr. Joelle St-Pierre**



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11:30 - 12:15 pm | Fibroblast-immune dynamics revealed using single cell and spatial transcriptomics | Presented by Dr. Jeff Biernaskie

12:15 - 1:00 pm | Decoding diabetic kidney disease through deep learning driven single cell spatial transcriptomics | Presented by Dr. Justin Chun

1:00 - 2:30 pm | **Lunch Break & Poster Session | HRIC Atrium**

Session Three

Chair: Dr. Donna-Marie McCafferty

2:30 - 3:15 pm | Omics-based pathway mapping for therapeutic target discovery | Presented by Dr. Craig Jenne

3:15 - 4:00 pm | Apolipoprotein control of inflammatory signalling in dendritic cells and macrophages | Presented by Dr. Jonathan Canton

4:00 - 4:45 pm | Development of a new CAR T cell therapy that gleaned many insights from multiomic experimentation | Presented by Dr. Franz Zemp

4:45 - 6:00 pm | Closing Remarks & Reception



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