

ILC6 Program
2nd-4th June 2026, Vancouver, Canada
<https://ilc6vancouver.com/>

TUESDAY June 2nd 2026 - LSC Room 1002

8:15am – 9:15am Registration, Coffee and Breakfast

9:15am-9:30am Welcome & Opening Remarks (Jorg Fritz, Kelly McNaghy, Megan Kinzel)

9:30-12:30pm

Session 1 - ILC Tissue-Residency, Niches, and Tissue Remodeling

Chairs: Joana Neves (King's College London), Coco Chu (Tsinghua University)

Jenny Mjösberg (Karolinska)

Human ILC2, from tissue-specific regulation to therapeutic targeting
(25min + 5min Q+A)

Christoph Klose (Charité)

A neuro-epithelial unit regulates intestinal homeostasis and type 2 immunity
(25min + 5min Q+A)

Jennifer Bando (Stanford)

ILC3 heterogeneity in the intestinal tract
(25min + 5min Q+A)

Bruno Rocha (Charité)

Microbiota Drives Skin Homeostasis via ILC-Derived IL-22
(13min + 2min Q+A)

Joana Neves (King's College London)

Human ILC3-derived TNF promotes intestinal matrix remodelling
(13min + 2min Q+A)

Sara Asif (University of Ottawa)

Harnessing ILC2s for immunotherapy in ovarian cancer
(13min + 2min Q+A)

Amanda Poholek (University of Pittsburgh)

Maintaining ILC2 Identity During Allergic Inflammation
(13min + 2min Q+A)

Matthew Hepworth (University of Manchester)

A heparan sulfate glycocalyx supports maintenance of tissue-resident group 2 innate lymphoid cells

(13min + 2min Q+A)

12:30pm-1:30pm Lunch, Social Hour, Exhibitor Viewing, Poster Viewing

1:30pm – 3:30pm

Session 2 - ILC differentiation, plasticity and memory

Chairs: Avinash Bandoola (NIH/NCI), Victor Cortez (University of Pittsburgh)

Michele Ardolino (University of Ottawa)

The tiring task of studying NK cell exhaustion

(25min + 5min Q+A)

Fumio Takei (University of British Columbia)

New insights into heterogeneity of ILC2s and ILC3s in mouse lungs

(25min + 5min Q+A)

Itziar Martinez-Gonzalez (Karolinska)

The role of memory ILC2s in the progression of allergic diseases

(25min + 5min Q+A)

Davit Khijakadze (University of British Columbia)

ILC2 plasticity in chronic allergic lung inflammation

(13min + 2min Q+A)

Jochem Bernink (Amsterdam UMC)

The human airway epithelium governs homeostatic and infection-induced ILC reprogramming

(13min + 2min Q+A)

3:30pm-4:00pm Coffee break & Social time, Exhibitor Viewing, Poster Viewing

4pm-5pm

Keynote lecture

Chairs: Megan Kinzel (University of Calgary), Arthur Mortha (University of Toronto)

Andrew McKenzie (University of Cambridge)

A CRISPR view of ILC2 regulation and function

5pm-5:15pm Poster pitches

5:15pm-8pm Poster session A, Reception (light snack & drinks), Socializing time, Exhibitor Viewing

No dinner will be served

WEDNESDAY June 3rd 2026 - LSC Room 1002

8:00am – 8:30am Registration, Coffee and Breakfast, Exhibitor Viewing

8:30am – 10:45am

Welcome (Nicolas Jacquelot, Nailya Ismailova)

Session 3 - ILCs in Cancer Control (1)

Chairs: Aranzazu Cruz Adalia (Univ. Complutense of Madrid), Melanie Bruchard (CTM Dijon)

Chiara Romagnani (Charité)

Clonal memory of NK cells

(25min + 5min Q+A)

Nicolas Jacquelot (University of Calgary)

Type 2 innate lymphoid cell regulation of breast cancer development and progression

(25min + 5min Q+A)

Aranzazu Cruz Adalia (University Complutense of Madrid)

ILCquest: A Pan-European COST Action advancing Innate Lymphoid Cells in cancer prognosis and immunotherapy

(8 min + 2min Q+A)

Katherine Zutautas (Queens University)

Group 2 innate lymphoid cells regulate interleukin-33 driven inflammation in endometriosis

(13min + 2min Q+A)

Kiruthiga Raghunathan (Olivia Newton John Cancer Research Institute)

Tumour educated ILC2s prime distant organ for metastasis in gastric adenocarcinoma

(13min + 2min Q+A)

Irene Mattioli (Charité)

Group 3 innate lymphoid cells control endothelial cell remodelling in cancer

(13min + 2min Q+A)

Sara Trabanelli (University of Geneva)

Tumor-derived steroids convert NK cells into pro-fibrotic immunosuppressive effectors in human cancer

(13min + 2min Q+A)

10:45am-11:05 Coffee break & Social time, Exhibitor Viewing, Poster Viewing

11:05am-12:35pm

Session 4 - ILCs in Cancer Control (2)

Chairs: Giuseppe Sciume (Sapienza University of Rome), Shigeo Koyasu (RIKEN)

Hye Young Kim (Seoul National University College of Medicine)

From Helpers to Killers: The Expanding Anti-Tumor Arsenal of ILC2s

(25min + 5min Q+A)

Maximilian Riedel (Charité)
Stromal IL-7 Shapes Tissue-Specific ILC2 Maintenance
(13min + 2min Q+A)

Xinxin Luo (Amsterdam UMC)
Liver X receptor calibrates tuft cell and mucosal type 2 immunity in the intestine
(13min + 2min Q+A)

Grace Kuo (University of British Columbia)
Pluripotent Stem Cell-Derived Type 2 Innate Lymphoid Cells Exhibit Potent Anti-tumor Activity Against Pancreatic Cancer Cells
(13min + 2min Q+A)

Kyle Burrows (Simon Fraser University)
cMAF-dependent NCR+ectoILC3 govern the magnitude of inflammatory bowel disease
(13min + 2min Q+A)

12:35pm-1:20pm Lunch, Social Hour, Poster viewing, Exhibitor Viewing

1:20pm – 3:20pm

Session 5 - ILC metabolism & systemic homeostasis

Chairs: Matt Hepworth (University of Manchester), Lei Shen (Shanghai Jiao Tong University)

Gabrielle Belz (University of Queensland)
Epithelial Cartography and the Architecture of Intestinal Innate Immune Responses
(25min + 5min Q+A)

Jörg Fritz (McGill University)
Lipid metabolism sustains metabolic flexibility of ILC2
(25min + 5min Q+A)

Nan Chen (University of Toronto)
An intestinal IL-33-ILC2 axis regulates the sexual dimorphism in diet-induced obesity-related insulin resistance
(13min + 2min Q+A)

Takuma Misawa (RIKEN)
ILC3s rewire lipid transport via the portal vein and regulate systemic metabolism
(13min + 2min Q+A)

Selma Boulouaer (Harvard)
Microbiota-Metabolic Crosstalk Drives Selective Intestinal ILC3 Loss
(13min + 2min Q+A)

Cyril Seillet (Monash University)
Dietary lipid sensing by ILC3s in gut homeostasis
(25min + 5min Q+A)

3:20pm-3:40pm Coffee break & Social time, Exhibitor Viewing, Poster Viewing

3:40pm-4:40pm

Keynote lecture

Chairs: Nailya Ismailova (McGill University), Shigeo Koyasu (RIKEN)

Kazuyo Moro (RIKEN, University of Osaka)

The two faces of amphiregulin from innate lymphoid cells

4:45pm-5:00pm Poster pitches

5:00-6:30pm Poster session B

7:00-10:00pm Gala Dinner - Museum of Anthropology

Welcome: Fumio Takei (UBC), Elia Tait Wonjo (University of Washington), Gwilyn Timmers (Museum of Anthropology)

- Dinner will be served at 7:20pm
- Gallery tours at your discretion from 8:30pm. The Museum is open until 10:00pm

THURSDAY June 4th 2026 - LSC Room 1001

8:00am – 8:30am Registration, Coffee and Breakfast, Poster Viewing, Exhibitor Viewing

8:30am – 10am

Welcome (Sarah Crome, Grace Kuo)

Session 6 - Development & Differentiation of ILCs

Chairs: Do-Hyun Kim (Hanyang University), Paula Oliver (University of Pennsylvania)

James Di Santo (Institut Pasteur)

Signals for Human ILC Differentiation and Homeostasis
(25min + 5min Q+A)

Marco Colonna (Washington University in St. Louis)

Lineage Diversification and Tissue Programming in ILC1 and ILC3
(25min + 5min Q+A)

Deshan Ren (Nanjing University)

Distinct ontogeny of functionally divergent human uterine natural killer cells *in vivo*
(13min + 2min Q+A)

Rachel Golub (Institut Pasteur, Université Paris Diderot)

Neonatal ILC2s shape the vascular niche to support postnatal HSC quiescence
(13min + 2min Q+A)

10am-10:30am Coffee break & Social time, Exhibitor Viewing, Poster Viewing

10:30am-12:30pm

Session 7 - Crosstalk of ILCs and the adaptive immune system

Chairs: Elia Tait Wojno (University of Washington), Jianhua Yu (UC Irvine)

Arthur Mortha (University of Toronto)

Interorgan trafficking of ILC2 re-sets pulmonary immunity
(25min + 5min Q+A)

Tim Halim (University of Cambridge)

ILC2 regulate a fibroblast progenitor niche in the pancreas
(25min + 5min Q+A)

Nailya Ismailova (McGill University)

ILC2s regulate tissue-resident adaptive immunity
(13min + 2min Q+A)

Alejandra Lopez Espinoza (University of Washington)

Iron-deficiency impairs host resistance to intestinal helminth infection
(13min + 2min Q+A)

Sarah Crome (University of British Columbia)

Engineered ILC2s for targeted immune regulation

(25min + 5min Q+A)

12:30pm-1:30pm Lunch, Social Hour, Poster Viewing, Exhibitor Viewing

1:30pm – 3:00pm

Session 8 - Host-microbe crosstalk in control of ILC functions (1)

Chairs: Sawa Shinichiro (Kyushu University), Kyle Burrows (Simon Fraser University)

Kelly McNagny (University of British Columbia)

Perinatal microbiome-ILC crosstalk in sculpting adult immune response

(25min + 5min Q+A)

Shunya Hatai (RIKEN)

Microbiota-derived 11-HEPE activates the Tufted cells–ILC2 axis and protects against experimental colitis

(13min + 2min Q+A)

Roberto Ricardo-Gonzalez (UCSF)

Mite-induced migratory skin-like CD103⁺ ILC2s establish lung residency and impact immunity

(13min + 2min Q+A)

Christine Wu (Columbia University Medical Center)

The molecular basis of intestinal ILC2 recirculation

(25min + 5min Q+A)

3:00pm-3:30pm Coffee break & Social time

3:30pm – 5:00pm

Session 8 - Host-microbe crosstalk in control of ILC functions (2)

Chairs: Sawa Shinichiro (Kyushu University), Kyle Burrows (Simon Fraser University)

Naoko Satoh-Takayama (RIKEN)

Shaping Small Intestinal Immunity: Dietary Antigens and Innate Lymphoid Cells

(25min + 5min Q+A)

Jinfang Zhu (NIH)

CRISPR-Cas9 Screen Identifies Transcription Factors that Differentially Regulate Type 2 Cytokine Expression

(13min + 2min Q+A)

Lei Shen (Shanghai Jiao Tong University)

The mTORC1-NMUR1 axis drives ILC2 activation in allergic asthma

(13min + 2min Q+A)

Ari Molofksy (UCSF)

Skin fungal-immune crosstalk at the hair follicle niche

(25min + 5min Q+A)

5pm-6pm

Keynote lecture

Chair: Grace Kuo (UBC)

Richard Locksley (UCSF)

The Enigma of Type 2 Immunity

6:00pm-6:30pm Award ceremony and Closing remarks

Michele Ardolino (University of Ottawa) & Elia Tait Wojno (University of Washington)

7:00pm Speakers Dinner

By invitation only; in walking distance to conference venue – details will be provided on site.

7:00pm Farewell, Social & Networking Event

Organized by the Early Career Investigator Group;

Open to all conference participants. Free one-way shuttle to CRAFT Beer Market- False Creek Vancouver (85 W 1st Ave). Shuttle pickup outside of conference entrance at 6:45 pm