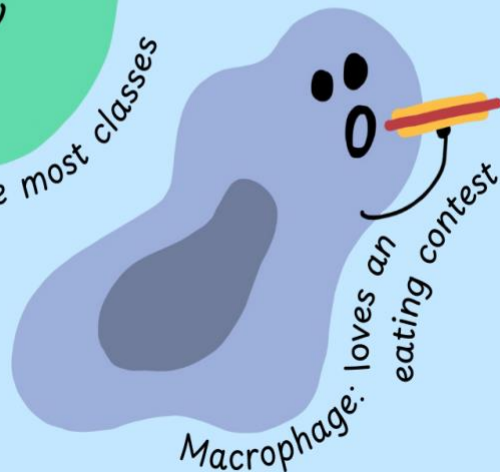
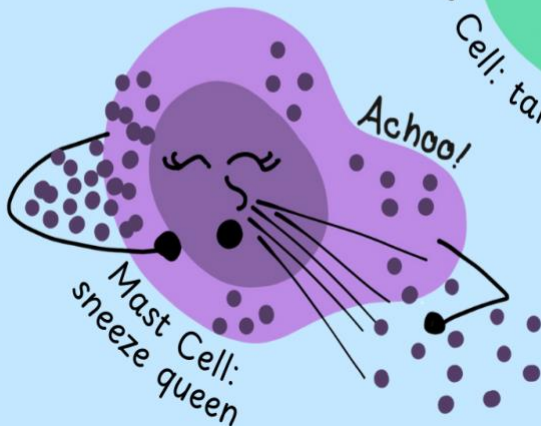
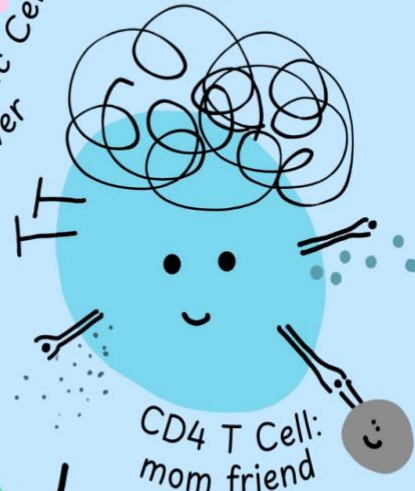
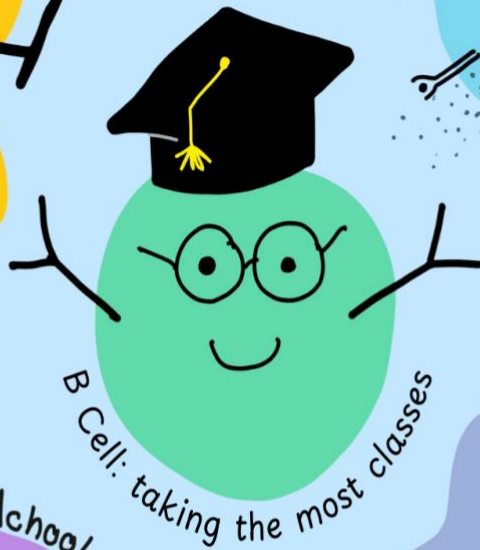
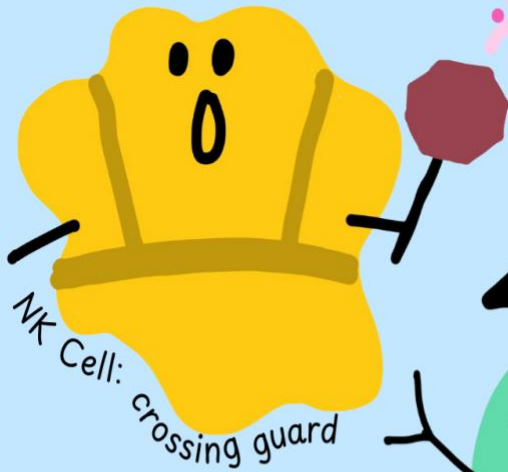
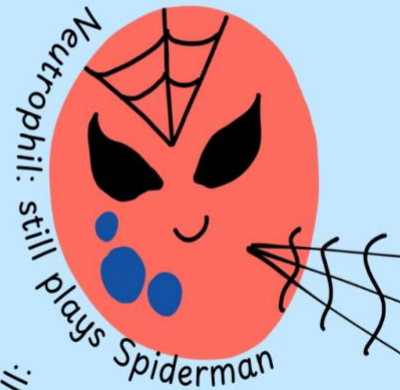
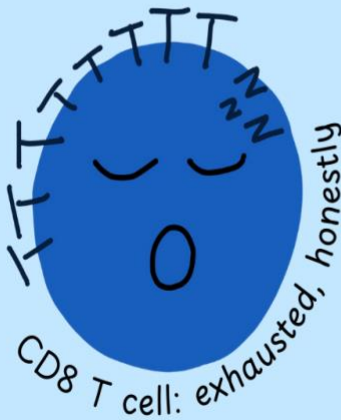


22ND ANNUAL DEPARTMENT OF IMMUNOLOGY RETREAT

UNIVERSITY OF PITTSBURGH

OGLEBAY RESORT AND CONFERENCE CENTER - SEPTEMBER 26-27, 2024



Thursday, September 26, 2024

(Rev. 09/14/2024)

8:30 – 1:00 pm **Registration – Glessner Foyer (main level)**

All Presentations – West Ballrooms (2nd floor)

9:30 – 9:35 am **Welcome and Introduction of New Students**

Dario Vignali, PhD

Distinguished Professor and Chair

Dept. of Immunology

9:40 – 10:10 am

Dayana Rivadeneira, PhD

Research Assistant Professor, Dept. of Immunology

Protecting telomeres from Oxidative Damage in Therapeutic T cells

Protects Against Tumor-Induced Immune Dysfunction

10:15 – 10:30 am

Catherine M. Phelps

2023 Graduate Student (4+) Poster Winner (tie)

Dept. of Immunology, Meisel Lab

Exercise-Induced Microbial Metabolite Enhances CD8 T cell Antitumor

Immunity Thereby Promoting Immunotherapy Efficacy

10:35 – 10:50 am

Drew Wilfahrt, PhD

Oral Presentation from Selected Abstracts

Postdoctoral Associate, Delgoffe Lab

Tumor-Derived Nutrient Stress Induces Lasting Effects on CD8+ T cell

Function and Epigenetic Remodeling

10:55 – 11:10 am

Group Photograph – location TBD

11:15 – 12:15 pm

Poster Session (odd numbered abstracts)

Allegheny and Shenandoah Meeting Rooms and

Glessner Stage (main level)

12:15 – 12:55 pm

Lunch – Glessner and Glessner Lawn (main level)

12:55 – 1:55 pm

Poster Session Continued (odd numbered abstracts)

2:00 – 2:30 pm

Reinhard Hinterleitner, PhD

Assistant Professor, Dept. of Immunology

Mucosal Immune Responses Shaped by a Commensal Protist

2:35 – 2:50 pm

Hanxi Xiao

Oral Presentation from Selected Abstracts

Graduate Student (4+), Das Lab

Interpretable Machine Learning Uncovers Spatial-Microenvironment-

Specific Drivers of Pathogenesis in Myocardial Infarction

- 2:55 – 3:25 pm **Youjin Lee, PhD**
Assistant Professor, Dept. of Immunology
A Targeted In Vivo CRISPR Screen Identifies Regulators of Treg Migration into the CNS
- 3:30 – 6:30 pm **Free time to enjoy Oglebay facilities and interact with colleagues**
Room Check-in at 4:00 (main level front lobby)
- 6:30 – 7:30 pm **Keynote Speaker**
Dan R. Littman, MD, PhD
Professor, Department of Cell Biology; and HHMI Investigator
NYU School of Medicine
Talk Mechanisms of Immune Homeostasis and Inflammation in the Gut Mucosa
- 7:45 – 9:00 pm **Dinner – Glessner (main level)**
- 9:00 – 10:00 pm **Social - Glessner (main level)**
- 10:00 - midnight **“Fire Pit/Pool” Social - Indoor Pool/Lawn Fire Pit (2nd floor)**

Friday, September 27, 2024

- 7:45 – 8:25 am **Breakfast – Glessner (main level)**
Check-out by 11:00 am
- 8:30 – 9:00 am **Anthony R. Cillo, PhD**
Assistant Professor, Dept. of Immunology, Center for Systems Immunology, and UPMC Hillman Cancer Center
Dissecting Antitumor Immunity One Cell at a Time
- 9:05 – 9:45 am **Elevator Pitch Session**
- **Qiang Chen, PhD** - Postdoc, Vignali Lab
Development of an In Vivo Model for CRISPR Screening to Uncover Novel Targets of Tumor-Infiltrating Treg cells
 - **Dan Xue, PhD** - Postdoc, Lafyatis Lab
Unveiling TGFB3 Upregulation in Systemic Sclerosis: Insights from Chromatin Accessibility and Transcription Factor Analysis
 - **Mary Melissa Roland, PhD** - Postdoc, Joglekar Lab
Identifying Antigenic Drivers of Tertiary Lymphoid Structure Formation in Solid Cancers
 - **Jessica Jana** - Graduate Student (1-3), Overacre Lab
Going the Distance: Helicobacter Hepaticus Colonization Drives Immunotherapy Response in Melanoma
 - **Ellen Scott** - Graduate Student (4+), Vignali Lab
Ebi3 Binding to IFN-gamma and IL-10 Limits Their Function

- **Alisa Omelchenko** - Graduate Student (1-3), Das Lab
Network-based Integration of Epigenetic and Transcriptomic Landscapes Unveils Molecular Programs Underlying Human T Follicular Helper Cell Differentiation
- **Sonia Kruszelnicki** - Graduate Student (4+), Gottschalk Lab
Microbiota-Dependent Lung Stimuli Shape Alveolar Macrophage Transcription Factor Networks
- **Amanda Lee** - Graduate Student (1-3), Meisel Lab
Defining the Role of AhR and Nrf2 in Commensal Immunomodulation of Antitumor Immunity
- **Danica Lee** - Graduate Student (1-3), Schwartz Lab
Genotype-to-Phenotype Analysis of TNFAIP3 Variants Associated with Haploinsufficiency of A20 (HA20) Reveals Higher Prevalence than Expected
- **Avani Parikh** - Graduate Student (4+), Lohmueller Lab
Programming Universal Chimeric Antigen Receptor (CAR) T cells Using Small Molecule Adaptors

9:50 – 11:50 am	Poster Session (even numbered abstracts) Allegheny and Shenandoah Meeting Rooms and Glessner Stage (main level)
11:50 – 12:35 pm	Lunch – Glessner and Glessner Lawn (main level)
12:40 – 1:10 pm	Sarah Gaffen, PhD Gerald P. Rodman Professor, Dept. of Medicine, Div. of Rheumatology and Clinical Immunology <i>All Things Great and (IL-) Seventeen</i>
1:15 – 1:30 pm	Christine Tin Oral Presentation from Selected Abstracts Graduate Student (4+), Hand Lab <i>Single Cell Analysis of Infant Microbiome Development</i>
1:35 – 1:50 pm	State of the Department Address Dario Vignali, PhD Distinguished Professor and Chair Dept. of Immunology
1:55 – 2:10 pm	Closing Comments/Poster Award Presentations Glessner
2:15 pm	Departure at your convenience

Acknowledgements:

The Department of Immunology would like to thank the following vendors for their support and participation in this year's retreat:

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Please visit their display tables located in the Allegheny and Shenandoah Meeting Rooms and Glessner stage (main level).

A special thank you to the retreat committee:

Anthony Cillo, PhD
Roberta Erickson
Alok Joglekar, PhD
Abby Overacre, PhD (Chair)
Jodi Russo
Daniella Schwartz, MD

Kieran Adam – Vignali Lab
Rylee Cisney – St. Leger Lab
Jessica Jana – Overacre Lab
Nicole Mihalik, PhD – Vignali Lab
Yannis Rigas – St. Leger Lab
Kellie Spahr – Delgoffe Lab
Drew Wilfahrt, PhD – Delgoffe Lab
Katelyn Wolfgang – Overacre Lab

Cover page artwork used to create this year's poster by Jessica Jana.