

Publications of the Week

Early and Opposing Neutrophil and CD4 T Cell Responses Shape Pulmonary Tuberculosis Pathology

First Author: Benjamin Gern | Senior Authors: Michael Gerner (*pictured, right*) and Kevin Urdahl (*left*)
Journal of Experimental Medicine | Seattle Children's Research Institute and UW



Pulmonary *Mycobacterium tuberculosis* (Mtb) infection results in a variety of heterogeneous lesion structures, from necrotic granulomas to alveolitis, but the mechanisms regulating their development remain unclear. Using a mouse model of concomitant immunity and subsequent aerosol infection, researchers demonstrate that counter regulation between neutrophils and CD4 T cells occurs very early during infection and governs these distinct pathologies. [Abstract](#)

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Awards

Scientific Discoveries Research Grants

UW Medicine



The Andy Hill CARE Fund has awarded over \$10 million in the first cycle of Scientific Discoveries Research grants, including awards to Drs. Andrew Hsieh (*pictured*) and Joshua Veatch. These grants support innovative and meritorious cancer researchers and teams pursuing scientific discoveries and breakthrough ideas in the fight against cancer. [Read More](#)

Pharmacist-Led E-Consults Aim to Reduce Pneumonia Risk in People with HIV

UW Medicine



Pneumonia continues to be substantially more common among people with HIV compared to people without HIV. Dr. Kristina Crothers (*pictured*) has been awarded a five-year \$4.2 million R01 grant by the National Heart, Lung, and Blood Institute to support an initiative designed to improve lung health and reduce pneumonia-related illness among people with HIV. [Read More](#)

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Local News

Lab Notes: the Neuroscience of Addiction and Possible Paths to a Cure

Allen Institute



Science is supporting the battle against addiction and substance use disorder. Neuroscientists around the world are working to better understand the mechanisms of addictive drug use and how to alleviate the debilitating withdrawal symptoms that cause people to suffer. In this episode of Lab Notes, we meet two social service providers who work directly with people in recovery and a leading neuroscientist working to unravel its mysteries. [Read More](#)

Meet the New ITHS Co-Principal Investigators: Drs. Denise Dillard and Sarah Shannon

Institute of Translational Health Sciences



The Institute of Translational Health Sciences (ITHS) introduced Drs. Denise Dillard (*pictured, right*) and Sarah Shannon (*left*) as the newest Co-Principal Investigators and members of the ITHS Executive Leadership Committee. They bring extensive experience, a strong commitment to translational science, and deep ties to the Washington, Wyoming, Alaska, Montana, and Idaho region. [Read More](#)

New VIS-seq Method Helps BBI Researchers Understand the ‘Why’ Behind Diseases Caused by Genetic Variants

Brotman Baty Institute (BBI)



A BBI-led paper demonstrates that variant effects span a multi-dimensional continuum, rather than a pathogenic-benign binary, or a one-dimensional spectrum. In this study led by Drs. Sriram Pendyala (*pictured*) and Doug Fowler, researchers used VIS-seq, a new image-based method measuring variant effects on molecular and cellular phenotypes in diverse cell types. [Read More](#)

Startup Spun Out of Nobel Laureate's Lab Teams with Eli Lilly to Fight Cancer with AI

GeekWire



Lila Biologics, a startup that spun out of Nobel Laureate Dr. David Baker's lab at the University of Washington, announced a collaboration with pharmaceutical giant Eli Lilly to develop therapies for treating solid tumors. Drs. Jake Kraft and Anindya Roy co-founded Lila in 2023. The two worked as postdoctoral fellows in the UW's Institute for Protein Design. [Read More](#)

Service Meets Science: AmeriCorps at ISB

Institute for Systems Biology (ISB)



Since 2021, Claudia McLaughlin Ludwig and the ISB Education team have partnered with Washington Service Corps, an AmeriCorps program, welcoming four AmeriCorps members in various important roles over that timespan. Join recent AmeriCorps members Sarah Clemente (*pictured, left*) and Faduma Hussein (*right*) in reflecting on their time at ISB and the importance of this program to their professional development. [Read More](#)

Seattle Vaccine Developer Sheds Space With Move to South Lake Union

Puget Sound Business Journal



The Seattle-based biotech nonprofit Access to Advanced Health Institute has moved into coworking lab space at 222 Fifth in Seattle's South Lake Union neighborhood. The space is part of a new incubator program called CoLabs, launched by 222 Fifth developers Lincoln Property and Intercontinental Real Estate. [Read More](#)

Q&A: Transparency in Medical AI Systems Is Vital, UW Researchers Say

UW News



In a review article published in *Nature Reviews Bioengineering*, UW researchers argue that a key standard for deploying medical AI is transparency. UW News spoke with the paper's three authors about what transparency means for medical AI: co-lead authors Chanwoo Kim (*pictured, left*) and Soham Gadgil (*right*), and senior author Dr. Su-In Lee. [Read More](#)

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Upcoming Events in Seattle

September 16
8:00 AM

Paradigms in Inflammation Research: New Ways of Thinking About and Treating Disease
Orin Smith Auditorium

September 16
10:30 AM

2025 Long-Read Sequencing Symposium
UW

September 17
12:00 PM

PNRI Science Matters Seminar on Newborn Screening
Kane Hall and Online

September 17
6:00 PM

Science Trivia with the Allen Institute
Flatstick Pub South Lake Union

September 23
6:00 PM

Biotech Networks Speed Networking
Stoup Brewing

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Science Jobs in Seattle

Research Scientist/Engineer 2
UW

Research Associate I, Tissue Processing
Allen Institute

Postdoctoral Fellow, Franks Lab
Seattle Children's

Medical Laboratory Scientist
CommonSpirit Health

Mahan Postdoctoral Fellowship
Fred Hutch

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