



Publications of the Week

Broadly Inhibitory Antibodies to Severe Malaria Virulence Proteins

First Authors: Raphael Reyes, Sai Sundar Rajan Raghavan, Nicholas Hurlburt (*pictured*), and Viola Intronì | Senior Authors: Louise Turner, Evelien Bunnik, and Thomas Lavstsen
Nature | Fred Hutch



Researchers describe two broadly reactive and inhibitory human monoclonal antibodies to CIDR α 1. These broadly reactive antibodies are likely to represent a common mechanism of acquired immunity to severe malaria and offer novel insights for the design of a vaccine or treatment targeting severe malaria. [Abstract](#) | [Press Release](#)

Single-Cell Analysis of the Multiple Myeloma Microenvironment After Gamma-Secretase Inhibition and CAR T-Cell Therapy

First Author: David Coffey | Senior Author: Damien Green (*pictured*)
Blood | Fred Hutch



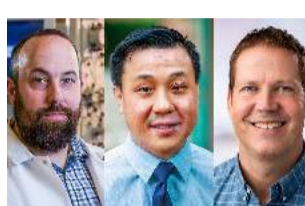
Leveraging a phase I clinical trial of a gamma-secretase inhibitor (GSI) with anti-B-cell maturation antigen chimeric antigen receptor (CAR) T-cells, researchers utilized single-nuclei RNA sequencing and assay for transposase-accessible chromatin sequencing to characterize the effects of GSI on the tumor microenvironment. [Abstract](#)

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Awards

Laying the Groundwork for a New Cancer-Preventive Vaccine

Fred Hutch



Drs. Andrew McGuire (*pictured, left*), Jim Boonyaratankornkit (*middle*), and Warren Phipps (*right*) have teamed up to lay the groundwork for a Kaposi sarcoma-associated herpesvirus (KSHV) vaccine. The collaborators secured a five-year, \$3.84 million grant from the National Cancer Institute to characterize the immune response to KSHV infection. [Read More](#)

Dr. Nora Disis Receives Wayne Kuni Award for Innovation in Cancer Research

UW Medicine



Dr. Mary (Nora) Disis (*pictured*), Professor of Hematology and Oncology, is the inaugural recipient of the Wayne Kuni Award for Innovation in Cancer Research. Presented by the Kuni Foundation in honor of its founder, Wayne Kuni, who battled multiple forms of cancer during his lifetime, the \$1 million award recognizes transformative, disruptive contributions to the field of cancer research. [Read More](#)

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Local News

Seattle Biotech Tune Therapeutics Aims to Cure Hepatitis B with Breakthrough Gene Therapy

Axios Seattle



A Seattle biotech company is working on a tweak to gene expression that could shut down hepatitis B (HBV), one of the viruses responsible for the world's most common serious liver infections and cancers. Unlike current treatments which only slow HBV's progression, Tune Therapeutics' epigenetic approach aims to eliminate the virus' ability to replicate, potentially offering a cure for millions. [Read More](#)

BioEngage Hosts Fall Mixer, Launches Industry Job and Internship Program

UW Department of Bioengineering



This fall, UW BioEngage—an organization within UW Bioengineering—continued its mission of connecting Bioengineering trainees and faculty with the biotech and medical device industries. Founded in 2015, BioEngage is committed to building meaningful, mutually beneficial partnerships between UW and industry, and this fall saw two major initiatives: the launch of a new Industry Job & Internship program and the hosting of a well-attended fall mixer. [Read More](#)

The TEDDY Study Turns 20: A New Era for T1D Insights

Pacific Northwest Research Institute (PNRI)



TEDDY – short for The Environmental Determinants of Diabetes in the Young – is a first-of-its-kind international research project. Its goal is to uncover environmental factors that may trigger autoimmunity and type 1 diabetes (T1D). PNRI has been a part of TEDDY for twenty years, serving as the only TEDDY research center on the West Coast, in addition to leading initiatives and committees central to the study. [Read More](#)

Introducing RFpeptides

Institute for Protein Design



Researchers at the Institute for Protein Design, including Stephen Rettie, Dr. David Juergens, and Dr. Victor Adebomi (*pictured*), have developed a new AI-driven molecular design tool called RFpeptides that generates completely novel bioactive peptides. The ability to create such molecules by computation alone may accelerate drug development. [Read More](#)

Seattle-Based Frazier Healthcare Partners Raises \$2.3B for 11th Fund

GeekWire



Seattle-based Frazier Healthcare Partners raised \$2.3 billion for its 11th Healthcare Growth Buyout Fund. Frazier will use the new fund to acquire controlling interests in around ten middle-market healthcare companies across sectors including pharmaceutical services, hospital outsourcing, and data analytics/AI. It's one of the largest institutional funds raised in Washington state. [Read More](#)

RareCyte and Alpenglow Biosciences Recognized Among GEN's Top Ten Spatial Biology Companies of 2024

Genetic Engineering & Biotechnology News



Seattle-based biotech RareCyte and Alpenglow Biosciences were ranked among the top ten spatial biology companies of 2024, as recognized by Genetic Engineering & Biotechnology News. The list honors companies making significant advancements in spatial omics technologies, which provide critical insights for fields like drug discovery and precision medicine. [Read More](#)

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Upcoming Events in Seattle

- December 5 4:30 PM **Women in Life Science Entrepreneurial Networking**
Life Science Washington
- December 9 12:00 PM **Understanding the Temporal and Spatial Cellular Dynamics of Making a Left-Right Organizer**
UW
- December 10 11:30 AM **LSW Institute Lunch & Learn – Navigating Clinical Data: Disclosure, Financing, and other Practice Considerations**
Online
- December 11 12:00 PM **Just a Needle Stick Away: Uncovering Genetic Mysteries of Immunity Through Collaborative Efforts**
Online
- December 14 7:30 pm **SMooCH 2024: A Benefit for Seattle Children's Hospital**
The Showbox at the Market

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Science Jobs in Seattle

- Research Scientist/Engineer Assistant**
UW
- Research Associate I/II/III**
Seattle Children's
- Lab Manager Flow Cytometry**
Fred Hutch
- Scientific Director, Discovery and Protein Science**
Evotec Biologics
- Research Associate I, Protein Sciences**
Lumen

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