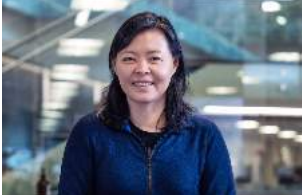


Publications of the Week

The New Frontier in Understanding Human and Mammalian Brain Development

First Author: Tomasz Nowakowski | Senior Author: Hongkui Zeng (*pictured*)
Nature | Allen Institute and UW



Comprehensive cell atlases of the developing human brain, alongside those of model organisms such as mice and non-human primates, are now providing high-resolution measures of gene expression, cell-type abundance, and spatial distribution. In this Perspective, researchers highlight recent studies that have identified novel developmental cell populations and revealed conserved and divergent patterns of cell genesis, migration, and maturation across species.

[Abstract](#)

Atomically Accurate *De Novo* Design of Antibodies with RFdiffusion

First Authors: Nathaniel Bennett (*pictured*), Joseph Watson, Robert Ragotte, Andrew Borst, DéJenaé See, Connor Weidle, Riti Biswas, and Yutong Yu | Senior Author: David Baker
Nature | Institute for Protein Design, Howard Hughes Medical Institute, and UW



Antibody discovery currently relies on immunization, random library screening, or the isolation of antibodies directly from patients. Here, researchers demonstrate that combining computational protein design using a fine-tuned RFdiffusion network with yeast display screening enables the *de novo* generation of antibody variable heavy chains, single-chain variable fragments, and full antibodies that bind to user-specified epitopes with atomic-level precision. [Abstract](#) | [Press Release](#)

[View All Publications](#)

Awards

QI Scholars

UW Medicine



UW Medicine congratulates Drs. Anita Chopra (*pictured*), Vikash Nand, and Yue-Harn Ng on being accepted into the 2025/2026 Quality Improvement (QI) scholars program. The QI Scholars Program is a year-long training program designed to support individuals seeking advanced training in QI research methods and leadership skills. Scholars receive mentorship, data and statistics support, and a network of researchers engaged in rigorous QI projects. [Read More](#)

Washington Research Foundation Awards \$5.2m To Establish New Clinical Trials Program

Fred Hutch



A new \$5.2 million grant from the Washington Research Foundation will help develop a new clinical trials program between Fred Hutch and Seattle Children's. The collaborative program will focus on first-in-human clinical studies of brand-new therapeutics developed by the two institutions for rare cancers and other diseases that affect adults and children and will be led by Dr. Folashade "Shade" Otegbeye (*pictured*). [Read More](#)

[View All Awards](#)

Local News

Promising Young Scientist: Marazzano Colón's 'Journey of Discovery' Leads Him to the UW

Brotman Baty Institute (BBI)



Marazzano Colón (*pictured, right*) admits he has taken an "interdisciplinary path" to become a computational biologist in the lab of BBI's Dr. Cole Trapnell (*left*). It's been more of "journey of discovery," exploring plant sciences, mathematics, and economics, among other disciplines. It is evident, though, that math has been and will be foundational in Colón's career. [Read More](#)

The Beam: New Lung Cancer Research

Fred Hutch



Proton Therapy lung cancer specialist Dr. John Kang (*pictured*) recently attended the American Society for Radiation Oncology (ASTRO) conference in Seattle. Scientific conferences like ASTRO help keep Fred Hutch clinicians up to date on the latest developments in the field. He shares these updates in the latest edition of *The Beam*. [Read More](#)

Eric Topol and Lee Hood — Two Scientific Luminaries on Longevity and Prevention

Institute for Systems Biology(ISB)



World-renowned physician-scientist Dr. Eric Topol joined ISB Co-Founder Dr. Lee Hood (*pictured*) for a wide-ranging virtual discussion about Dr. Topol's new book, *Super Agers*, and the evidence-based science of longevity, prevention, and healthspan. This event united two figures whose careers have helped define modern medicine. [Read More](#)

Viral Immunologist Taps 'Incredible Potential' of Immune System

Fred Hutch



Viral immunologist Dr. Paul Thomas (*pictured*) is working to turn the "incredible potential" of the immune system into real-life diagnostic and therapeutic applications that will improve vaccination strategies and cancer treatments. He studies how our immune system responds to the pathogen exposures that leave an imprint in our genes and shape how we will respond to the next infection. [Read More](#)

Scientists Unveil the World's Most Comprehensive AI-Powered Tool for Neuroscience: Brain Knowledge Platform

Allen Institute



Imagine if every neuroscientist in the world could suddenly speak the same language and share their discoveries instantly. Allen Institute researchers and engineers have now unlocked that potential and the vast discoveries it could lead to through the Brain Knowledge Platform. This first-of-its-kind database and research tool, led by Shoaib Mufti (*pictured*), has launched with data from over 34 million brain cells. [Read More](#)

Plenty of Beauty at the Bottom: UW Engineers Create 2025's Most Stunning Microscope Image

UW Molecular Engineering & Sciences Institute



"Foam in Bloom", by UW mechanical engineering graduate students Santhosh Sridhar (*pictured*), Ankush Nandi, and Shaunak Deshpande was named the Most Stunning image in the 2025 Plenty of Beauty at the Bottom image contest hosted by the National Nanotechnology Coordinated Infrastructure. The public cast over 2,100 votes to determine this year's winners. [Read More](#)

Seattle Startup Accipiter Bio Emerges with \$12.7M and Big Pharma Deals for AI-Designed Proteins

GeekWire



A Seattle biotech startup born from a Nobel laureate's lab has landed \$12.7 million and partnerships with pharmaceutical giants Pfizer and Kite Pharma by using AI to design proteins that mount a multi-pronged attack on diseases. Accipiter Biosciences emerged from stealth with a leadership team that includes Dr. Matthew Bick (*pictured*) from UW. [Read More](#)

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Upcoming Events in Seattle

November 17
6:30 PM

Smarty Pints! Clouds, Grasses, and Climate

Burke-Gilman Brewing

November 18
5:30 PM

Immunology to Change Lives

Seattle's Sunset Club

December 4
7:00 PM

Future Tense: Neuroscience, AI and Society with Cory Doctorow

Samuel E. Kelly Ethnic Cultural Center

December 7
8:00 AM

Hope on the Court: A Pickleball Tournament for a Cure

Side Out Tsunami

December 9
3:00 PM

Collaboration in Research: Discovery, Innovation, and Impact

Vista Cafe

[View All Events](#) | [Submit an Event](#)



Science Jobs in Seattle

Associate Scientist, Analytical Sciences

Bristol Myers Squibb

Research Manager

Seattle Children's

Scientific Project and Alliance Manager

Allen Institute

Assistant Professor, Biological Sciences

UW

Senior Program Officer, Vaccine Discovery

Gates Foundation

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