

Publications of the Week

Anti-Sporozoite Monoclonal Antibody for Malaria Prevention: Secondary Efficacy Outcome of a Phase 2 Randomized Trial

First Author: Jeff Skinner | Senior Authors: Sean Murphy (pictured), Boubacar Traore, Robert Seder, and Peter Crompton
Nature Medicine | Seattle Children's Hospital and UW



CIS43LS is a long-acting monoclonal antibody specific for the *Plasmodium falciparum* circumsporozoite protein expressed on sporozoites. This study indicates that a single dose of anti-sporozoite monoclonal antibodies can achieve durable, sterile protection against *P. falciparum* infection, underscoring their potential to reduce malaria disease burden and transmission. [Abstract](#) | [Press Release](#)

Emergence and Disruption of Cooperativity in a Denitrifying Microbial Community

First Author: Alex Carr (pictured, left) | Senior Author: Nitin Baliga (right)
The ISME Journal | Institute for Systems Biology and UW



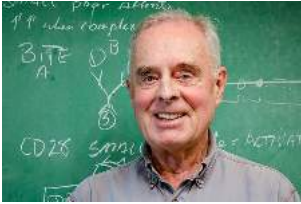
Anthropogenic perturbations to the nitrogen cycle is driving an unprecedented increase in the emission of nitrous oxide (N₂O). Microbial denitrification is a primary contributor to biotic production of N₂O in anoxic regions of soil, marine systems, and wastewater treatment facilities. Here, researchers show that pathway partitioning is a ubiquitous mechanism of complete denitrification within microbial communities. [Abstract](#) | [Press Release](#)

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Awards

Dr. Rainer Storb Receives Lifetime Achievement in Hematology Award

UW Medicine



Dr. Rainer Storb (pictured), Professor of Hematology and Oncology, has received the Wallace H. Coulter Award for Lifetime Achievement in Hematology from the American Society of Hematology. Dr. Storb is being recognized for more than 60 years of groundbreaking achievements in hematopoietic stem cell transplantation, a hallmark treatment for multiple blood disorders. [Read More](#)

WRF Awards \$275K to Support David Koelle's Development of Genital Herpes Vaccine at UW

Washington Research Foundation



Washington Research Foundation (WRF) has awarded a \$275,000 technology commercialization grant to Dr. David Koelle (pictured), a Professor of Medicine and Laboratory Medicine & Pathology at UW. The funding will support the continued development of a novel messenger RNA therapeutic vaccine aimed at improving treatment options for patients with genital herpes. [Read More](#)

Dr. Vincent Raikhel Receives Beeson Award

UW Medicine



Dr. Vincent Raikhel (pictured), an Assistant Professor of General Internal Medicine, is the recipient of the 41st annual Paul B. Beeson Award. Dr. Raikhel was chosen by the medicine residents in recognition of outstanding clinical teaching and for exemplifying scholarship, humility, compassion, and integrity. He is also one of this year's recipients of the Resident Scholarship Mentor Award. [Read More](#)

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Local News

TakePART-NW, an Ambitious New Precision Oncology Research Program, Launches at Fred Hutch

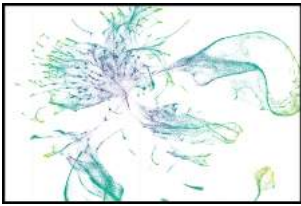
Fred Hutch



Fred Hutch Cancer Center aims to enroll 200,000 patients over the next ten years in a new research program called TakePART-NW (Patients and Research Together-Northwest). "This program has the potential to help us discover better ways to prevent cancer, detect it early and treat it effectively, including the most advanced, dangerous forms of the disease," said Dr. Peter Nelson (pictured), the Primary Investigator for TakePART-NW. [Read More](#)

Two Transparent Worms Shed Light on Evolution

UW Medicine



Two species of worms have retained remarkably similar patterns in the way they switch their genes on and off despite having split from a common ancestor 20 million years ago, a new study finds. In the study, researchers compared gene expression patterns in two soil-dwelling roundworms, *Caenorhabditis elegans* and *Caenorhabditis briggsae*. [Read More](#)

Xaira Therapeutics Releases Largest Perturb-Seq Dataset to Power the Virtual Cell

Genetic Engineering & Biotechnology News



Ever since Seattle-based, AI drug developer Xaira Therapeutics launched in April 2024 with a jaw-dropping \$1 billion in committed capital, the field has eagerly awaited equally blockbuster scientific results. The company has launched the largest publicly available Perturb-seq dataset, termed X-Atlas/Orion, to interrogate how cells respond to external conditions, such as therapeutic interventions, at large scale. [Read More](#)

Aptevo Therapeutics Announces Closing of \$8 Million Offering Priced At-the-Market Under Nasdaq Rules

Aptevo Therapeutics



Aptevo Therapeutics, a Seattle-based clinical-stage biotechnology company focused on developing novel immune-oncology therapeutics, announced the closing of its previously announced offering of shares and warrants. Gross proceeds, before deducting placement agent fees and commissions and offering expenses, were approximately \$8 million. [Read More](#)

Scientists Can Now Target the Cells at the Center of ALS

Allen Institute



For the first time ever, scientists have developed a precise genetic toolkit that can target the exact nerve cells destroyed by ALS and potentially deliver therapies where they are needed most. This discovery could dramatically speed up the quest for a cure. The findings were recently published in the journal *Cell Reports* and led by Dr. Tanya Daigle (pictured). [Read More](#)

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📅 Upcoming Events in Seattle

July 9 - 11 8:00 AM	2025 Neuropixels and OpenScope Workshop Allen Institute
July 17 - 18 8:00 AM	Cascadia Proteomics Symposium Institute for Systems Biology
July 21 - 24 8:00 AM	Developing Open Neuroscience Teaching Tools Workshop Allen Institute
August 4 - 7 8:00 AM	Teachstravaganza 2025 Allen Institute
August 14 4:30 PM	Life Science Washington Annual Summer Social 2025 118 East Blaine St.

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📁 Science Jobs in Seattle

Research Technician I/II
Seattle Children's

Director, Quantitative Cellular Imaging
Allen Institute

Principal Scientist, Computational Biology
Immunome

Research Scientist
UW

Research Technician
Howard Hughes Medical Institute

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