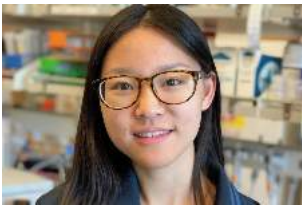


Publications of the Week

Design of Intrinsically Disordered Region Binding Proteins

First Authors: Kejia Wu (*pictured*), Hanlun Jiang, and Derrick Hicks | Senior Author: David Baker
Science | UW



Intrinsically disordered proteins and peptides play key roles in biology, but the lack of defined structures and high variability in sequence and conformational preferences has made targeting such systems challenging. Here, researchers sought to develop a method for achieving specific recognition of an intrinsically disordered region sequence of interest that would be broadly useful for applications in proteomics, targeting, sensing, and sequencing. [Abstract](#) | [Press Release](#)

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Awards

‘Manufacturing Scientist’ Believes in the Machinery That Powers Fred Hutch’s Cell Therapies

Fred Hutch



Supervising the minutiae of the machinery that fuels the Therapeutic Products Program at Fred Hutch falls to Dr. Folashade “Shade” Otegbeye (*pictured*). Her critical work facilitating cell and gene therapies will now be supported under her new appointment as the Fleischauer Family Endowed Chair in Cell and Gene Therapy Translation. [Read More](#)

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Local News

Before the Breakthrough: Why Basic Science Matters

Allen Institute



Accelerating discovery, advancing technology, and expanding our knowledge – basic science lays the foundation for future breakthroughs. Basic science is curiosity in action. It’s not about chasing a cure today; it’s about understanding the scientific building blocks of knowledge so we’re ready for the breakthroughs of tomorrow. At the Allen Institute, basic science is the foundation of everything they do. [Read More](#)

AI Model from Microsoft and UW Maps Out Breast Cancer in MRIs with Unprecedented Accuracy

GeekWire



New research shows how AI technology can spot breast cancer in MRI scans more accurately than current digital methods, while also pinpointing exactly where suspicious tissue is located. This breakthrough from researchers at UW, Microsoft’s AI for Good Lab, and Fred Hutch could make the sensitive screening tool available to more women. [Read More](#)

Carrie Brockway: New SeaBridge Executive Director Motivated by Compelling Scientific Research and Leading-Edge Technology

Brotman Baty Institute



Dr. Carrie Brockway (*pictured*) has made a lot of great professional choices in her life. The most recent — accepting the position of Executive Director for SeaBridge with the Allen Institute — reflects what one could say is an uncompromising commitment to collaborative science. “SeaBridge and the Seattle Hub for Synthetic Biology represent the confluence of all that I love: compelling scientific research and leading-edge technology,” Brockway said. [Read More](#)

A Simpler, Smarter Way to Measure Gut Bacterial Biomass

Institute for Systems Biology (ISB)



Gechlang Tang (*pictured*) and researchers in the Gibbons lab at ISB have developed a more efficient and cost-effective gut bacterial biomass measurement. This new method could significantly simplify the process of quantifying bacterial biomass from existing and future stool metagenomic data, and potentially accelerate discoveries related to health and disease. [Read More](#)

First-Ever Open Science Quest Supports Next Generation of Scientists

Allen Institute



For two weeks in July, students from 11 high schools across Seattle made the Allen Institute their scientific home. They were part of the inaugural class of Open Science Quest, a two-week intensive offering education, training, and mentorship from the Institute’s Education and Engagement team and scientists. This work supports students considering a career in science. [Read More](#)

Brain Might Become Target of Type 1 Diabetes Treatments

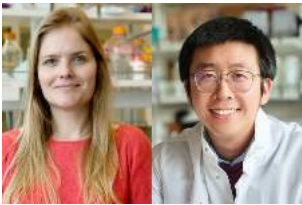
UW Medicine



More than a decade ago, researchers found that an acute complication of type 1 diabetes, diabetic ketoacidosis, can be resolved with the hormone leptin, even in the absence of insulin. An analysis published in *The Journal of Clinical Investigation* by UW researchers explains how leptin affects the brain and how it might be used in future therapeutics. [Read More](#)

Creating Multi-Protein Systems with Atomic Precision

UW Institute for Protein Design (IPD)



Two studies published by IPD researchers highlight a trend in AI-accelerated protein research: entire multi-protein complexes can now be generated from scratch using life’s most functional building blocks. This leap forward in biotechnology promises to transform how medicines, materials, and molecular tools are made. The studies’ first authors are Drs. Sanela Rankovic (*pictured, left*) and Shunzhi Wang (*right*). [Read More](#)

Gates Foundation Unveils Record-Setting \$2.5 Billion Initiative Focused on Women’s Health

GeekWire



The Gates Foundation announced a \$2.5 billion, five-year initiative focused on women’s health that will support innovation in care, bolster data collection, and aims to catalyze additional investments. The effort represents the largest ever commitment to women’s health research and development, addressing a significant funding gap. [Read More](#)

Seattle Biopharma Omeros Raises \$22M Through Stock Sale

Puget Sound Business Journal



Seattle-based Omeros has raised \$22M through a registered direct offering. The company sold nearly 5.4 million shares at \$4.10 each, a 14% premium over its previous closing price, to Toronto-based Polar Asset Management Partners. Founded in 1994, Omeros develops treatments for cancer, addiction, and compulsive disorders, including its drug candidate narsoplimab, designed to reduce vascular inflammation and damage. [Read More](#)

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Upcoming Events in Seattle

August 14 4:30 PM	Life Science Washington Annual Summer Social 2025 118 East Blaine St.
August 27 4:00 PM	WRF x Nucleate Seattle Summer Social SLU BRU
September 5 6:00 PM	ORCA 2025 Banquet UW Center for Urban Horticulture
October 9 - 10 8:00 AM	ISSCR: Seattle International Symposium Block 41
October 14 6:00 PM	Nature and Health Fall Community Dinner Fremont Brewing

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Science Jobs in Seattle

- Research Associate III, Tang Lab**
Seattle Children's
- Director of Scientific Research**
Fred Hutch
- Senior Associate Scientist, Conjugation Process Development**
Pfizer
- Scientist III, Synthetic Biology and DNA Assembly**
Allen Institute
- Clinical Research Coordinator, Tumor Institute**
Providence Swedish

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Article: To Postdoc or Not to Postdoc?
Decision-Making Tips

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