

Publications of the Week

### Characterization of Clonal Dynamics Using Duplex Sequencing in Donor-Recipient Pairs Decades After Hematopoietic Cell Transplantation

First Author: Masumi Ueda Oshima (*pictured*) | Senior Author: Rainer Storb  
Science Translational Medicine | Fred Hutch, UW, and TwinStrand Biosciences



After allogeneic hematopoietic cell transplantation, a very small number of donor stem cells reconstitute the recipient hematopoietic system, whereas the donor is left with a near-normal pool of stem cells. Researchers hypothesized that the increased replicative stress on transplanted donor cells in the recipient could lead to the disproportionate proliferation of clonal hematopoiesis variants. [Abstract | Press Release](#)

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Local News

### Truveta Lands \$320M to Fuel Creation of Massive New Genome Project

GeekWire



Seattle-area health data company Truveta announced \$320 million in fresh funding and an ambitious new initiative to create a giant genomic dataset. The new investment — which comes from 17 health systems, Illumina, and Regeneron — pushes Truveta's valuation above \$1 billion, making it the latest unicorn to emerge from the Seattle region. [Read More](#)

### Advanced Micro Devices Invests in Drug-Discovery Company Absci in Push to Sell AI Chips

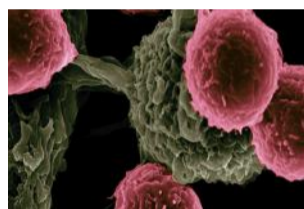
The Wall Street Journal



Advanced Micro Devices is investing \$20 million in Absci, a drug-discovery company based in Washington state, in a move aimed at selling its artificial intelligence chips in the healthcare sector. The deal is structured as a private investment in a public equity and includes an equity stake in Absci. Advanced Micro Devices didn't disclose the amount of its stake. [Read More](#)

### Seattle Immunotherapy Startup Umoja Biopharma Raises \$100M

GeekWire



Another Seattle-area health startup is raising a big new round of funding. Umoja Biopharma announced a \$100 million Series C round that will help the Seattle-based company further develop its CAR T-cell immunotherapy treatments for cancer. Umoja is developing a multi-pronged technology that retools a patient's immune system *in vivo* to generate cancer-fighting cells inside the body. [Read More](#)

### The Secret Chatter of Animals: How UW Scientists Are Decoding Animal Communication

The Daily



What if we could understand what animals are really saying? At UW, scientists are breaking barriers in animal communication, uncovering the hidden languages of bats, rats, and mice. Dr. Ellen Covey, a Neural Systems and Behavior Professor at UW, is a leading neuroethologist specializing in bat echolocation. One of the things scientists study, Dr. Covey said, is the development of echolocation calls in baby bats. [Read More](#)

### The Biomedical Innovation Fireside Chat Series Is Back!

Institute of Translational Health Sciences (ITHS)



The ITHS has announced the return of the Biomedical Innovation Fireside Chat Series. This series is designed for early-stage academic innovators eager to learn the essentials of biomedical entrepreneurship. In each session, a regional program leader hosts a panel of biomedical entrepreneurs, investors, and industry experts. These speakers will highlight their biomedical entrepreneurial journeys and share key information with attendees. [Read More](#)

### Allen Impact 2024 Advancing Science Together

Allen Institute



The Allen Institute's President and CEO Dr. Rui Costa reflects on a transformative year for the Allen Institute alongside their researchers in the 2024 Impact Report. From unveiling the Human Immune Health Atlas to new findings related to Alzheimer's disease, their commitment to open science and collaboration has driven advancements in understanding life and advancing health. [Read More](#)

### Study to Test Deep Brain Stimulation for Bipolar Depression

UW Medicine



A new study conducted at UW will test whether implanting an electrode to stimulate a brain circuit can safely treat depression caused by bipolar disorder. To monitor the effect of the stimulation on activity and mood, the study subjects will use smart watches and rings and smartphones that track their responses to the experimental treatment. [Read More](#)

### Neutralizing Deadly Snake Toxins

UW Institute for Protein Design



The WHO estimates that venomous snakes kill over 100,000 people each year and leave 300,000 others with severe injuries, including lost limbs. Current antivenom therapies, derived from animal plasma, are expensive, difficult to produce, and carry risks of severe side effects. In a new study led by Dr. Susana Vázquez Torres (*pictured*), the Baker lab at UW introduced a new approach: AI-generated proteins that counteract deadly snake toxins. [Read More](#)

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### Upcoming Events in Seattle

- February 2 7:00 PM **EGG w/ Sarah Adelman**  
Here-After
- February 12 9:00 AM **Cell Type Taxonomies A-Z Webinar Series: The Seattle Alzheimer's Disease Brain Cell Atlas**  
Online
- February 27 4:00 PM **Life Science Washington 2025 Winter Networking Event**  
700 Dexter Avenue
- February 28 9:00 AM **Rare Genetic Disease Research in Seattle and Beyond**  
Seattle Children's Research Institute.
- March 17 - 19 8:00 AM **2025 Cell Types Workshop: Describe Your Neurons Like the Allen Institute**  
Allen Institute

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### Science Jobs in Seattle

- Research Scientist II, Lawlor Lab**  
Seattle Children's
- Research Scientist/Engineer II**  
UW
- Post-Doctoral Research Fellow**  
Fred Hutch
- Post Doctorate RA, Biogeochemical Modeling**  
Pacific Northwest National Laboratory
- Assistant (Tenure-Track) Professor, Botany/Biology**  
Bellevue College

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