


Volume 9.42: October 27, 2026

Publications of the Week

## tRNA Dosage Regulates Lineage Dependency and Resistance in Prostate Cancer

First Author: Yeon Soo Kim | Senior Author: Andrew Hsieh *(pictured)*
Nature | Fred Hutch and UW



Lineage plasticity underlies therapeutic resistance in cancer, yet the translational mechanisms that enable this phenotypic flexibility remain largely unknown. Here using prostate cancer as a model of lineage dependence, researchers performed unbiased small RNA sequencing and identified $tRNA_{UCU}^{Arg}$ as a regulator of lineage transitions and therapy resistance. **Abstract | Press Release**

**View All Publications**

Awards

## National Academy of Medicine Elects Three Seattle Children's Leaders

Seattle Children's



Seattle Children's announced the following appointments to the prestigious National Academy of Medicine (NAM): Drs. Christopher Longhurst, Imiti Christakis, and Leslie Walker *(pictured)*. Election to NAM is considered one of the highest honors in the fields of health, medicine and biomedical science, recognizing individuals who have demonstrated extraordinary professional achievement and a commitment to service. **Read More**

## Dr. Sue Kaech Elected to the National Academy of Medicine

Allen Institute



The National Academy of Medicine has recognized Dr. Sue Kaech *(pictured)*, Executive Vice President and Director of Immunology at the Allen Institute, for her outstanding scientific and technical achievements in the field of immunology. Dr. Kaech's research has helped shape our fundamental understanding of how memory T cells develop and function. Her expertise is helping drive the development of new therapies for cancer and infectious diseases. **Read More**

## Five From UW Medicine Earn Prestigious Appointment

UW Medicine



Five UW Medicine-affiliated physicians, including Drs. Susan Stern and Elizabeth Swisher *(pictured)*, were honored with appointments to the prestigious National Academy of Medicine. The academy announced 100 new members, recognizing individuals who have demonstrated extraordinary professional achievement and a commitment to service. Election to the academy is considered one of the highest honors in the fields of health, medicine, and biomedical science. **Read More**

## Dr. Carla Greenbaum Earns The George Eisenbarth Award for Type 1 Diabetes Prevention

Benaroya Research Institute



Dr. Carla Greenbaum *(pictured)* has earned the George Eisenbarth Award for Type 1 Diabetes Prevention. This award recognizes researchers who have made significant contributions to predicting and preventing type 1 diabetes (T1D). Preventing T1D has been at the core of Dr. Greenbaum's work throughout her career. Early on, she contributed to efforts to standardize the autoantibody testing used to identify people at increased risk for T1D. **Read More**

## Nikon Small World

Nikon



Nikon Small World is regarded as the leading forum for showcasing the beauty and complexity of life as seen through the light microscope. The 2026 Photomicrography Competition winners have been announced. Among them is Kaelin Wulf *(pictured, left)* and Rachel Flannery *(right)* from the Allen Institute. They were awarded 3rd place for their image of neurons in an expanded mouse brain. **Read More**

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Local News

## Friends, Founders, and a Faster Approach to Drug Discovery

UW Institute for Stem Cell and Regenerative Medicine



Drs. Changho Chun *(pictured, left)* and Justin Lee *(right)* from UW took part in a UW CoMotion boot camp designed to help researchers move technologies toward commercialization. This helped them launch NanoSurface Biomedical, now Curi Bio, a Seattle-based company specializing in stem cell-based 3D modeling tools for pharmaceutical drug discovery. **Read More**

## An Epicenter of Computational Biology

UW Department of Bioengineering



Computer modeling is an important tool in modern cell biology, but it typically requires specialized, custom-built software. No general-purpose simulator currently represents proteins, filaments such as DNA and actin, and dynamic cell membranes within a single framework. Dr. Herbert Sauro *(pictured)* and his team aim to changhe that with a software platform for the spatial modeling of cellular systems called Smoldyn. **Read More**

## Exploring the Role of Mitochondria in Aging

UW Institute for Stem Cell and Regenerative Medicine (ISCRM)



There are a lot of ways to promote healthy aging. Lifestyle factors and access to quality care certainly play a role. Other keys to aging are found in our cells and genes. Drs. David Marcinek *(pictured, left)* and Suman Jayadev *(right)* are among the group of researchers at UW ISCRM looking at the machinery within our cells for whole-body strategies to help us age gracefully. **Read More**

## Live Show at the Stem Cell and Developmental Biology Early Career Symposium

The Stem Cell Podcast



In this special episode recorded live in Seattle at the Allen Institute for the Early Career Development Symposium, Drs. Crystal Rogers *(pictured, centre left)* and Ariel Waisman *(centre, right)* explore the unique career transitions and systemic challenges faced by early-career scientists. They discuss overcoming imposter syndrome, navigating funding cuts, and adapting to new leadership responsibilities. **Read More**

## Unraveling Long COVID: New Discoveries and the Promise of AI

Institute for Systems Biology (ISB)



Long COVID remains one of the most perplexing health challenges to emerge from the COVID-19 pandemic. In a recent ISB Research Roundtable, ISB President Dr. Jim Heath *(pictured)* shared new findings connecting Long COVID to immune dysfunction and autoimmune diseases, and explained how AI could accelerate the search for answers and potentially new treatments for millions of people living with the condition. **Read More**

## Institute Led by UW Nobel Winner Uses AI to Build Molecular Scissors Targeting Disease Proteins

GeekWire



Researchers at UW Medicine's Institute for Protein Design (IPD) have created new proteins that act like molecular scissors, chopping up targets associated with Alzheimer's disease and amyotrophic lateral sclerosis. Anqi Chen *(pictured, left)* and Hojae Choi *(right)* are lead authors on two *Nature* papers describing sophisticated AI models developed at IPD to design proteins called proteases. **Read More**

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## Upcoming Events in Seattle

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| October 25-29<br>8:00 AM | **2026 Lake Conference – Comparative and Evolutionary Neurobiology**<br>Hyatt Regency Lake Washington |
| November 17<br>8:00 AM | **Immunology to Change Lives**<br>Benaroya Research Institute |
| November 21<br>7:00 PM | **Brewology**<br>Pacific Science Center |
| December 9<br>8:30 AM | **2026 ISB Frontiers in Computational Biology Symposium**<br>Institute for Systems Biology |

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## Science Jobs in Seattle

**Scientist I, Advanced Light Microscopy**
Allen Institute

**Lab Associate II**
Quest Diagnostics

**Development Associate I, Downstream Process Development**
Lundbeck

**Research Study Coordinator**
UW

**Research Technician I/II, Ghajar Lab**
Fred Hutch

**View 102 Other Science Jobs | Submit a Job**



The ISB Frontiers in Computational Biology Symposia Series brings together leading scientists from ISB, the Seattle research community, and institutions across the country to explore where the field is headed next. The 2026 symposium, themed "AI, Multi-Omics, and the Future of Human Health," will be held on December 9, 2026. Join us in person at ISB in Seattle, or stream the presentations and discussions via our virtual offering.

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