

Publications of the Week

Genome-Scale CRISPR Screens Identify PTGES3 as a Direct Modulator of Androgen Receptor Function in Advanced Prostate Cancer

First Author: Haolong Li (*pictured*) | Senior Authors: Luke Gilbert and Felix Feng
Nature Genetics | Fred Hutch



The androgen receptor (AR) is a critical driver of prostate cancer. Here, to study regulators of AR protein levels and oncogenic activity, researchers developed a live-cell quantitative endogenous AR fluorescent reporter. Leveraging this AR reporter, they performed genome-scale CRISPRi flow cytometry sorting screens to systematically identify genes that modulate AR protein levels.

[Abstract](#) | [Press Release](#)

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Awards

Seattle Magazine Has Named Dr. Mary Brunkow as One of the Extraordinary Individuals on Their Most Influential List

Seattle Magazine



Every year, *Seattle Magazine's* Most Influential list takes a close look at the people shaping the city right now. The 2025 cohort spans politics, philanthropy, arts, hospitality, business, and community work, highlighting leaders whose influence shows up in tangible ways across the city. Dr. Mary Brunkow (*pictured*) was prominently featured in this year's list for her Nobel Prize win. [Read More](#)

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Local News

Lundbeck's Migraine Prevention Treatment Sees Phase Two Success

Pierce Biotech



After the Seattle-based biotech Lundbeck scrapped one portion of its trial, the company's intravenous monoclonal antibody has met the main goal of a Phase IIb migraine prevention study, with multiple doses of the experimental treatment tied to a change in monthly migraine days. Based on the findings, they plan on discussing Phase III design options with regulators. [Read More](#)

From Variants to Voltage: Channeling MAVEs to Tackle Disease

Variants and Us Podcast



Season two of the Variants and Us Podcast has hit the airwaves. This podcast, produced by members of the UW Department of Genome Sciences and the Brotman Baty Institute, covers topics such as clinical genetic screening and rare disease, testing variants in large-scale, disease risk, the intercept between variants and environmental contexts, computational predictors, and so much more. [Read More](#)

Will It Stick? How to Tell Whether Probiotics and Prebiotics Will 'Take'

Institute for Systems Biology



Anyone who has tried probiotics or changed their diet to "feed the gut" knows the frustration: sometimes it helps, sometimes it doesn't — and it's rarely clear why. A new study from Drs. Sean Gibbons (*pictured, left*) and Nick Quinn-Bohmann (*right*) offers a glimpse of why that is — and how we might finally begin to predict who will benefit from particular microbiome-based interventions before trying them. [Read More](#)

SciShots: Nervous and Immune Systems Team up To Take on Parasites

Allen Institute



In a new *Nature* study, researchers from Weill Cornell Medicine and the Allen Institute found that pain-sensing nerves in the gut, known as TRPV1⁺ neurons, help regulate tuft cells. The nerve endings sit very close to tuft cells in the lining of the intestine. When activated during infection, the nerves release a signaling molecule called CGRP. [Read More](#)

Supplements Don't Prevent Cancer, Studies Show

Fred Hutch



Dietary supplements are wildly popular, but large clinical trials and other research by Fred Hutch scientists show that many common dietary supplements offer little proven benefit for cancer prevention, and in some cases may even increase cancer risk. "It would be nice if we had a pill that we could take that could protect us from disease," said Dr. Garnet Anderson (*pictured*) at Fred Hutch. "But it's not that easy." [Read More](#)

Harnessing Early Progenitors to Grow Healthy Kidney Tissue Inside the Body

UW Institute for Stem Cell and Regenerative Medicine



A new paper from Dr. Benjamin Freedman's (*pictured, left*) describes how stem cells were successfully tasked with the complex job of generating multiple cell types crucial for kidney function and demonstrated that it may be more efficient and effective to kickstart this process inside a patient's kidney instead of engineering tissue outside the body for transplantation. Dr. Thomas Vincent (*right*) is the first author on the study. [Read More](#)

Human Liver Tissue Cell Architecture Reconstructed in 3D

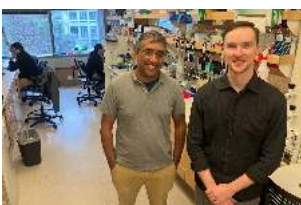
UW Medicine Newsroom



Never-before-seen 3D reconstructions of human liver tissue have been created at a cellular level. The details obtained by a team of UW engineers and physicians capture the spatial microstructure of multiple lobes of this multitasking organ. A senior author of the paper, Dr. Kelly Stevens (*pictured*) is a leader in efforts to develop artificial organs to perform physiological functions of living organs. [Read More](#)

Promising Young Scientist: Chase Suiter — A Career Shaped by Proximity

Brotman Baty Institute



Chase Suiter grew up in Ocean Springs, Mississippi, a Gulf Coast town of just over 18,000 people. His path toward science didn't begin with rigorous academic curriculum or an especially encouraging science teacher. Rather, it was a 16-year-old sophomore named Trisha Lipson who enabled Suiter and whose work ethic reshaped Suiter's expectations for himself. [Read More](#)

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Upcoming Events in Seattle

March 5 4:00 PM	Life Science Washington March Networking Event The Loft
March 21 10:00 AM	BrainFest 2026 Pacific Science Center
April 7 6:30 PM	UW Public Lectures: Interrogating the Epigenome to Reveal Pregnancy Risks in Moms with High Blood Pressure Town Hall Seattle
April 25 8:00 AM	2026 Cell Signaling Breakthroughs Symposium Renaissance Seattle Hotel
Sept. 23 - 25 8:00 AM	Stem Cell & Developmental Biology Early Career Symposium Allen Institute

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Science Jobs in Seattle

Medical Lab Scientist, Core Lab Seattle Children's
Scientist II, High Throughput Genome Engineering Allen Institute
Post-Doctoral Research Fellow, Li Lab Fred Hutch
Clinical Research Coordinator I/II Benaroya Research Institute
Senior Scientist, SBX Molecular Engineering Roche

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