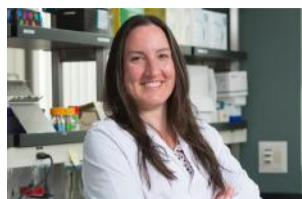


Publications of the Week

A First-in-Human, Open-Label Phase 1b and a Randomized, Double-Blind Phase 2a Clinical Trial in Recent-Onset Type 1 Diabetes with AG019 As Monotherapy and in Combination with Teplizumab

First Authors: Chantal Mathieu and Alice Miedeman (*pictured*) | Senior Author: Kevan Herold
Diabetologia | Benaroya Research Institute



Researchers hypothesized that islet beta cell antigen presentation in the gut along with a tolerising cytokine would lead to antigen-specific tolerance in type 1 diabetes. Researchers evaluated this in a parallel open-label Phase 1b study using oral AG019, food-grade *Lactococcus lactis* bacteria genetically modified to express human proinsulin and human IL-10, as a monotherapy. [Abstract](#)

Targeting the Fibroblast Growth Factor Pathway in Molecular Subtypes of Castration-Resistant Prostate Cancer

First Author: Mark Labrecque (*pictured*) | Senior Authors: Colm Morrissey and Peter Nelson
The Prostate | Fred Hutch and UW



Androgen receptor (AR) pathway inhibition remains the cornerstone for prostate cancer therapies. Researchers have shown previously that double-negative prostate cancer can bypass AR-dependence through fibroblast growth factor receptor (FGFR) signaling. In this study, researchers wanted to investigate the role of the FGFR pathway in other castration-resistant prostate cancer phenotypes. [Abstract](#)

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Local News

Now Accepting: Applications for PNRI's 2024 Summer Undergraduate Research Internship

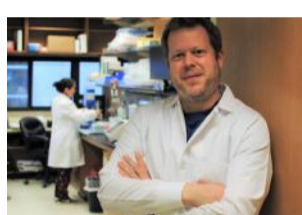
Pacific Northwest Research Institute (PNRI)



PNRI's Summer Undergraduate Research Internship is an exciting opportunity tailored for undergraduates passionate about biomedical sciences. This nine-week intensive, paid program offers a dive into research projects, scientific symposiums, and career development activities, giving aspiring researchers a platform to flourish. Applications are open now. [Read More](#)

BBI's Long-Read Sequencing Symposium Called 'Inspirational'

Brotman Baty Institute (BBI)



Dr. Danny Miller (*pictured*), the Scientific Advisor to BBI's Long Read Sequencing Symposium, had three overarching goals for the half-day symposium: 1) bring together Seattle-area users of long-read sequencing to learn from each other; (2) build new collaborations; and (3) to explore potential synergies among users. All three were met. [Read More](#)

'1 in 1,000:' Dr. Sean Gibbons Named Highly Cited Researcher for 2023

The Institute for Systems Biology (ISB)



ISB Associate Professor Dr. Sean Gibbons (*pictured*) was named a Highly Cited Researcher for 2023. The Highly Cited Research list is generated annually by Clarivate, which says: "Of the world's population of scientists and social scientists, Highly Cited Researchers are 1 in 1,000." This is the second consecutive year Dr. Gibbons has earned this honor. [Read More](#)

Scientists Unveil First Complete Cellular Map of Adult Mouse Brain

Allen Institute



Six years and 32 million cells later, scientists have created the first full cellular map of a mammalian brain. In a set of ten papers in *Nature*, a network of researchers unveiled an atlas cataloging the location and type of every cell in the adult mouse brain. "Having a complete parts list of the brain will help accelerate efforts to unravel how it works," said Dr. Hongkui Zeng (*pictured*). [Read More](#)

Washington Research Foundation Announces Its Largest Ever Cohort of WRF Postdoctoral Fellows for 2024

Washington Research Foundation (WRF)



WRF has awarded 15 three-year WRF Postdoctoral Fellowships to begin in 2024. The new cohort of early career researchers — the program's largest ever — will complete projects addressing areas of urgent public need in natural sciences and engineering at Fred Hutch, Seattle Children's Research Institute, UW, and Washington State University. WRF has now awarded 78 fellowships since the program began in 2017. [Read More](#)

Pfizer Wins Regulatory Approval for Its \$43B Acquisition of Seattle-Area Biotech Giant Seagen

GeekWire



Pfizer's plan to acquire Seagen for \$43 billion has cleared the necessary regulatory hurdles. Seagen is the largest biotech company in the Seattle area and an anchor for the biopharma industry in the Pacific Northwest. The 3,300-person company announced plans last year to build a 270,000 square foot manufacturing facility north of Seattle. [Read More](#)

BBI & UW Medicine Launch 'New Age of Experimentation' with Allen Institute and Chan Zuckerberg Initiative

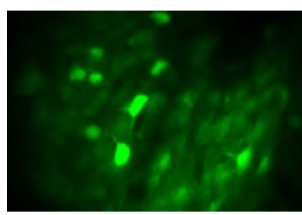
Brotman Baty Institute (BBI)



The Allen Institute, the Chan Zuckerberg Initiative, and UW announced the launch of the Seattle Hub for Synthetic Biology. The landmark collaboration will build new technologies to record the history of cells over time. UW Medicine researchers Drs. Jay Shendure, Marion Pepper (*pictured*), Cole Trapnell, and Jesse Gray will lead the Seattle Hub for Synthetic Biology from UW Medicine's BBI. [Read More](#)

'Sci-Fi' Tech Allows Activation of Brain Cells in Mice

UW Medicine



Using lasers and a holographic two-photon microscope that can peer deep into the brain, a team of scientists has identified and activated a small handful of cells among the hundreds of millions in a mouse's amygdala, a part of the brain that helps govern behavior. The discoveries, made in the lab of Dr. Michael Bruchas at UW Medicine, might inform new treatments for substance-use disorders and an array of anxiety disorders. [Read More](#)

AstraZeneca Will Pay Up to \$1.1B to Acquire Icosavax, a University of Washington Biotech Spinout

GeekWire



Seattle-based Icosavax, a spin-out from the UW's Institute for Protein Design, will be acquired by biotech giant AstraZeneca for up to \$1.1 billion. The pending acquisition values Icosavax at about \$838 million. Founded in 2017, Icosavax is developing vaccines that resemble naturally occurring viruses. Its lead product targets respiratory viruses. [Read More](#)

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Upcoming Events in Seattle

- December 19 2:00 PM **Exploring STEM with InSciGht Education**
Edmonds Waterfront Center
- January 18 3:00 PM **Phenomic Data-Driven Health**
Seattle Children's Research Institute.
- January 20 9:00 AM **SEP School Year Workshop: Elephants & Cancer**
Fred Hutch
- January 24 2:00 PM **Biomedical Entrepreneurship and its Unique Challenges**
Online
- January 31 8:00 AM **Seattle BioTech & Bagels Morning Virtual Meetup**
Online

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Science Jobs in Seattle

- Biostatistics Program Head**
Fred Hutch
- Lab Assistant, Microbiology**
Labcorp
- Research Scientist IV**
Seattle Children's
- Medical Assistant I**
Fred Hutch
- Director Process Sciences**
Evotec

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