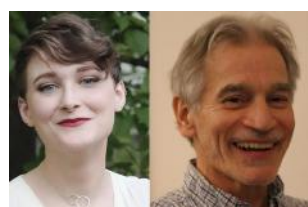


Publications of the Week

Developmental Changes in the Accessible Chromatin, Transcriptome and Ascl1-Binding Correlate with the Loss in Müller Glial Regenerative Potential

First Author: Leah VandenBosch (*pictured, left*) | Senior Author: Thomas Reh (*pictured, right*)
 Scientific Reports | UW



To better understand the limits of Müller glia (MG)-based regeneration in mouse retinas, the authors used ATAC- and RNA-seq to compare newborn progenitors, immature MG (P8-P12), and mature MG. Their analysis demonstrated developmental differences in gene expression and accessible chromatin between progenitors and MG, primarily in neurogenic genes. [Profile](#) | [Abstract](#)

Boosting NAD Level Suppresses Inflammatory Activation of PBMC in Heart Failure

First Author: Bo Zhou | Senior Author: Rong Tian (*pictured*)
 Journal of Clinical Investigation | UW



The authors investigated the mechanistic link between mitochondrial dysfunction and inflammatory activation in peripheral blood mononuclear cells (PBMCs), and the potential anti-inflammatory effect of boosting NAD levels. They created an *in vitro* model of sterile inflammation by treating healthy PBMCs with mitochondrial damage-associated molecular patterns isolated from human heart tissue. [Abstract](#)

[View All Publications](#)

Awards

HHMI Awards 45 Gilliam Fellowships to Support Diversity in Science

Howard Hughes Medical Institute



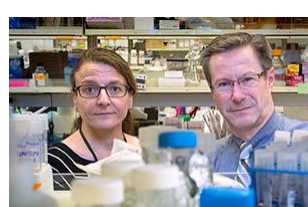
The Howard Hughes Medical Institute (HHMI) has selected 45 doctoral students and their advisers, as part of the Gilliam Fellowships for Advanced Study. The program seeks to increase the diversity of scientists at the college and university faculty level by supporting students who will become scientific leaders. Among these are German Rojas (*pictured*) and his thesis adviser, Aakanksha Singhvi from Fred Hutch/UW. [Read More](#)

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Local News

A Cure for Herpes? There Is Progress to Report

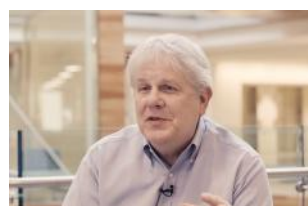
Fred Hutch



A decade ago, Fred Hutch virologist Dr. Keith Jerome (*pictured, right*) began exploring the idea that lifelong infections with herpes viruses might be cured by using the DNA-cutting tools of gene therapy. A team led by Jerome and Dr. Martine Aubert (*pictured, left*) have now shown that, through a series of incremental improvements on their original method, they have destroyed up to 95% of herpes virus lurking in certain nerve clusters of mice. [Read More](#)

Immunology Institute Founded by Paul Allen Shifts Focus to Tackle Coronavirus

The Seattle Times



When Microsoft co-founder Paul Allen put up \$125 million in seed money for a Seattle institute focused on human immunology shortly before his death in late 2018, no one had any inkling a viral pandemic would strike within a year. The Allen Institute for Immunology's emphasis was on cancers and diseases linked to a haywire immune system – like inflammatory bowel disorder, rheumatoid arthritis, and multiple myeloma. [Read More](#)

Could Treatments Aimed at Alzheimer's Disease Help Combat COVID-19?

Allen Institute



Dr. Mukesh Jain (*pictured*) remembers the exact moment that COVID-19 complications clicked into focus for him. Like most of us, the cardiologist was devouring news reports and scientific articles about the novel coronavirus the moment they came out. A few months into the pandemic, Jain and his colleagues saw an immediate common thread among some of the disease's more bizarre and serious effects: strokes, heart attacks, and purple toes. [Read More](#)

Understanding Glia, Critical but Understudied Players in Neural Function

Fred Hutch



When people think of neuroscience, they think of neurons, the cells that receive and transmit information throughout the brain and body, but Dr. Aakanksha Singhvi (*pictured*) says that is only half the story. Her lab in the basic sciences division of Fred Hutch is currently exploring many aspects of glial function, including the roles glia may play in aging, autism, neurodegeneration, sensation and animal behaviors. [Read More](#)

Five Cool Things Your Immune System Can Do

Allen Institute



You might think about your immune system as a first line of defense — a commonly used, if imperfect, metaphor. If you extend that analogy, in peacetime, the immune system is armed and waiting for something to fight. But that concept fails to capture so much of what your immune system does, day in and day out. Dr. Greg Szeto (*pictured*) and other Allen Institute immunologists shared some of the coolest feats the immune system pulls off. [Read More](#)

Chinook Therapeutics Raises \$106M as It Prepares to Merge with Aduro Biotech

Chinook Therapeutics via GeekWire



Chinook Therapeutics, a Seattle biotech company creating targeted therapies for kidney diseases, has raised an additional \$106 million just before its planned merger with Aduro Biotech. The merger is expected to close later this year. The combined company will take Chinook's name and will be headquartered out of Chinook's facilities in Vancouver, B.C. and Seattle. [Read More](#)

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Upcoming Events in Seattle

August 25 4:00 PM	Respect and Trust during Research Recruitment Online
September 1 8:00 AM	Alzheimer's Disease Genetics Global Symposium Online
September 17 6:00 PM	ISB 20th Anniversary - Future of Health Online
September 18 5:30 PM	PNRI Fundraiser Online
October 1 8:00 AM	Distinguished Seminar Series Online

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Science Jobs in Seattle

- Scientist, Immuno-Oncology**
Systemimmune
- Clinical Program Manager, Clinical Operations, Oncology**
Gilead
- Postdoctoral Research Fellow, Molecular Neuroscience**
Fred Hutch
- Scientist, Protein Reagent Development and Production**
Cepheid
- Scientist, *In Vivo* Pharmacology**
Chinook Therapeutics

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