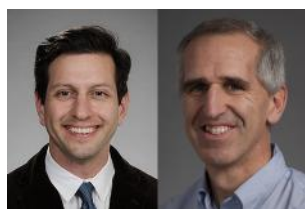


Publications of the Week
Global and Context-Specific Transcriptional Consequences of Oncogenic Fbw7 Mutations

 First Author: Heshani Nayanga Thirmanne | Senior Author: Bruce Clurman *(pictured)*
 eLife | Fred Hutch and UW


The Fbw7 ubiquitin ligase targets many proteins for proteasomal degradation, which include oncogenic transcription factors (TFs). The authors used an integrated approach employing RNA-Seq and high-resolution mapping of histone modifications and TF occupancy to examine the combinatorial effects of mis-regulated Fbw7 substrates in colorectal cancer cells with engineered tumor-associated *FBXW7* null or missense mutations. [Abstract](#)

REL and BHLHE40 Variants Are Associated with IL-12 and IL-10 Responses and Tuberculosis Risk

 First Author: Javeed Shah *(pictured, left)* | Senior Author: Thomas Hawn *(right)*
 The Journal of Immunology | UW and Puget Sound Health Care System


Although IL-12 and IL-10 are critical for tuberculosis (TB) pathogenesis, the genetic factors that regulate their expression in humans are unknown. The authors hypothesized that common variants in *CNBP*, *REL*, and *BHLHE40* were associated with IL-12 and IL-10 production from dendritic cells, and that these variants also influence adaptive immune responses to bacillus Calmette–Guérin vaccination and TB susceptibility. [Abstract](#)

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Awards
Dr. Michael Linenberger Honored for Contributions to Apheresis Medicine

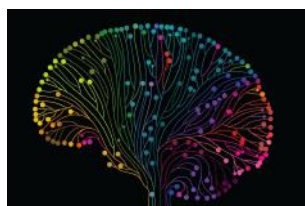
Fred Hutch



Dr. Michael Linenberger *(pictured)* of Fred Hutch has been awarded one of the highest honors in the field of apheresis. The Presidential Award from the American Society for Apheresis recognizes Dr. Linenberger's career-long contributions to this field, which is a supportive cornerstone for donors and patients involved in blood stem cell transplantation and cellular immunotherapy for cancer. [Read More](#)

[View All Awards](#)
Local News
How Do Our Neurons Connect? New Study Probes the Details of Human and Mouse Synapses

Allen Institute



A team of neuroscientists at the Allen Institute has completed an incredibly ambitious undertaking to catalog the chemical connections, or synapses, between thousands of neurons in mouse and human brains. The result: a much more complete picture of the diversity of mammalian synapses, the routes by which information is passed from neuron to neuron in the brain. [Read More](#)

Seattle Children's Therapeutics Announces Expansive Collaboration with Cellevolve to Advance Research for Childhood Brain Cancers

Seattle Children's



Seattle Children's Therapeutics announced a collaboration with Cellevolve Bio, a development and commercialization company focused on cell therapies, aimed at developing and commercializing a suite of novel multiplex chimeric antigen receptors for the treatment of pediatric central nervous system malignancies. Led by Dr. Michael Jensen *(pictured)*, Seattle Children's Therapeutics will conduct early-stage and pre-clinical discovery, and Phase I clinical trial development. [Read More](#)

Understanding, Preventing and Treating Long-Term Effects of COVID: RECOVER Study Enrolling Patients from Pacific Northwest

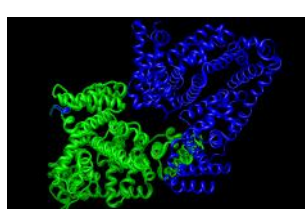
Institute for Systems Biology (ISB)



As part of a massive nationwide effort to understand the condition commonly known as long COVID, ISB is leading a multi-site Pacific Northwest consortium as part of the NIH-funded RECOVER initiative. RECOVER, which stands for REsearching COVID to Enhance Recovery, is a large-scale research effort designed to ask why some people have prolonged symptoms following COVID-19, and to get real answers to help alleviate suffering as fast as possible. [Read More](#)

Henipavirus Glycoprotein Structure Guides Therapy, Vaccine

UW Medicine



Recent molecular findings in a study published in *Science* led by Dr. David Veessler and Zhaoqian Wang offer new details on how Nipah and Hendra viruses attack cells, and the immune responses that try to counter this onslaught. They uncovered the 3D organization and some of the conformational dynamics of the HNV G protein, leading science closer to creating a template for building new and improved vaccines. [Read More](#)

Regulating Cells with Designed Proteins

Institute for Stem Cell & Regenerative Medicine (ISCRM)



Over the last several years, Dr. Shiri Levy *(pictured)*, an Acting Instructor in the lab of ISCRM Associate Director Dr. Hannele Ruohola-Baker, has spearheaded the development of a tool that is capable of selectively controlling the PRC2 complex – an epigenetic regulator that influences cell fate across multiple stages of development. That tool is a computer-designed protein binder engineered in partnership with the UW Institute for Protein Design. [Read More](#)

Home-Based Flu Tests Comparable to Clinical Testing

UW Medicine



Home-based, self-administered tests for influenza are comparable in accuracy to rapid diagnostic tests in clinical settings, according to a recent study led by Dr. Matthew Thompson, a Professor of Global Health and Family Medicine at UW Medicine. Researchers determined that the sensitivity and specificity of the self-test were comparable with those of influenza rapid diagnostic tests used in clinical settings. [Read More](#)

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Upcoming Events in Seattle

March 15 12:00 PM	Current Biology Seminar – Dr. Shawn Chavez Online
March 21 8:00 AM	Global Oncology Lecture Series Online
March 22 9:00 AM	Science Says – Special Edition with Trevor Noah Online
March 22 4:00 PM	SEP Virtual Field Trip: Campbell Lab Online
March 24 10:30 AM	Distinguished Seminar Series – Kenneth D. Harris Online

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Science Jobs in Seattle
Physician Scientist Fellow, Immunotherapy

Fred Hutch

Scientist II, Single Cell Genomics, Molecular Genetics

Allen Institute

Research Scientist I, EX

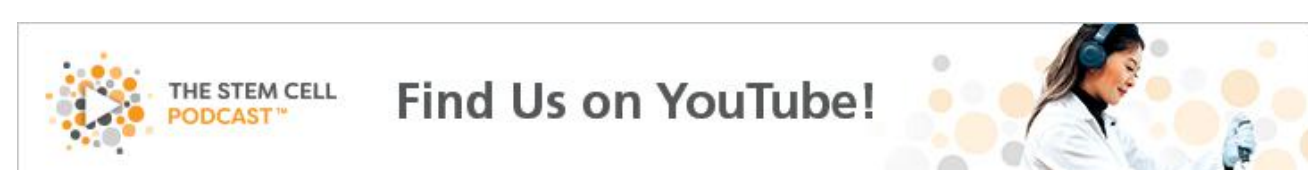
Seattle Children's

Research Associate II, Target Discovery

Seagen

Translational Program Manager, Immuno-Oncology and Cell Therapy

Bristol Myers Squibb

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