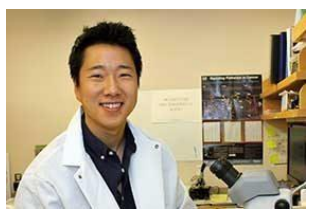


Publications of the Week
Hybrid Insulin Peptides Are Recognized by Human T Cells in the Context of DRB1*04:01

 First Author: David Arribas-Layton | Senior Author: Eddie James *(pictured)*
 Diabetes | Benaroya Research Institute at Virginia Mason


Researchers identified six novel hybrid insulin peptides (HIPs) that are recognized in the context of DRB1*04:01, discovered by utilizing a library of theoretical HIP sequences derived from insulin fragments covalently linked to one another. They demonstrate that T cells that recognize these HIPs are detectable in the peripheral blood of subjects with type 1 diabetes and exhibit an effector memory phenotype.

[Profile](#) | [Abstract](#)
Rapamycin Rejuvenates Oral Health in Aging Mice

 First Author: Jonathan An *(pictured)* | Senior Author: Matt Kaerberlein
 eLife | UW


The authors demonstrate that short-term treatment with rapamycin rejuvenates the aged oral cavity of elderly mice, including regeneration of periodontal bone, attenuation of gingival and periodontal bone inflammation, and revertive shift of the oral microbiome toward a more youthful composition. [Abstract](#)

Chromatin Accessibility Dynamics and Single Cell RNA-Seq Reveal New Regulators of Regeneration in Neural Progenitors

 First Author: Anneke Dixie Kakebeen | Senior Author: Andrea Elizabeth Willis *(pictured)*
 eLife | UW


By intersecting chromatin accessibility data with single-cell transcriptomics, investigators found that neural progenitor cells place an early priority on neuronal differentiation. Late in regeneration, the priority returns to proliferation. Their analyses identify Pbx3 and Meis1 as critical regulators of tail regeneration and axon organization. [Abstract](#)

[View All Publications](#)
Awards
Dr. Hans-Peter Kiem Elected Vice President of American Society of Gene & Cell Therapy

Fred Hutch



The American Society of Gene & Cell Therapy has elected Dr. Hans-Peter Kiem *(pictured)*, Director of Cell & Gene Therapy at Fred Hutchinson Cancer Research Center, to serve as its Vice President. After serving a year as Vice President, Dr. Kiem will have successive one-year terms as President-Elect and then President. [Read More](#)

Dr. Bessie Young Accepted into the Hedwig van Ameringen Executive Leadership in Academic Medicine (ELAM) Program

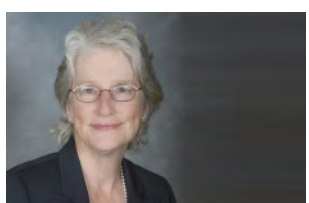
UW Medicine



Dr. Bessie Young *(pictured)*, a UW professor of Nephrology and Associate Chair for Diversity and Inclusion, has been accepted to the 2020-21 class of Fellows in the Hedwig van Ameringen ELAM Program. The program offers an intensive one-year fellowship of leadership training aimed at expanding the national pool of qualified women candidates. [Read More](#)

Virginia Broudy Receives David B. Thorud Leadership Award

UW Medicine



The David B. Thorud award is given to those who demonstrate leadership, including exhibiting innovation, the ability to find practical solutions for complex problems, teamwork and excellent listening skills. In her 35-year career in the UW Department of Medicine, this year's recipient, Dr. Virginia Broudy *(pictured)*, has exemplified creative, results-oriented leadership and outstanding communication skills. [Read More](#)

[View All Awards](#)
Local News
Initiative Announces Award of 21 COVID-19 Rapid Response Grants

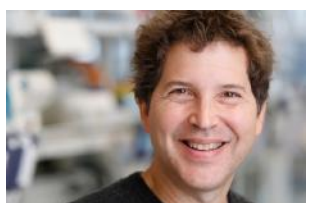
UW



The UW Population Health Initiative announced the award of approximately \$350,000 in COVID-19 rapid response grants to 21 different faculty-led teams. These teams are composed of individuals representing 10 different schools and colleges. Funding was partially matched by additional school, college and departmental funds, bringing the total value of these awards to roughly \$820,000. [Read More](#)

Building a Platform for Protein Therapeutics

UW Medicine



Researchers at the UW Institute for Protein Design (IPD) are building a protein design platform to solve the puzzles of treating neurodegenerative disease with new therapeutics. Dr. David Baker *(pictured)*, Professor of Biochemistry and Director of the UW IPD, conceived the first edition of a protein design software in the 1990s, which has developed into the premier tool for *de novo* protein design in medicine and engineering. [Read More](#)

Can a Greater Understanding of COVID-19 in Children Reduce the Overall Impact of the Coronavirus?

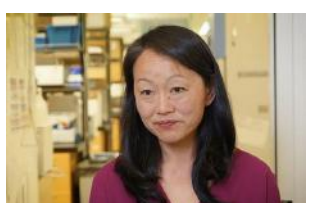
Seattle Children's



More than 50 research studies to understand, detect, treat and prevent the coronavirus in children and families have launched at Seattle Children's since the virus emerged in late 2019. Dr. Leslie Walker-Harding *(pictured)*, highlights the research in progress and the search for answers that could result in major scientific breakthroughs that save lives and slow the spread of the virus. [Read More](#)

Antiviral Drug Remdesivir Wins FDA's Authorization for Wider Use in COVID-19 Treatment

GeekWire




Remdesivir, a non-specific antiviral drug that was originally tested against Ebola, has been shown to be effective against the new coronavirus in a preliminary data analysis. UW Medicine was one of the sites in the National Institutes of Health trial. Dr. Helen Chu *(pictured)*, Assistant Professor of Medicine at UW Medicine, explains the drug decreased time to recovery and also improved mortality outcomes. [Read More](#)

[View All Articles](#) | [Submit an Article](#)
Upcoming Events in Seattle

May 14 4:00 PM	GSD: Spring Virtual Meetup Online
May 19 8:00 AM	The Socially Distant Centromere Online
May 21 7:30 PM	UW Engage Science: How We Learn, Parasites in the Sound, Tracking Thunderstorms Online
May 27 10:00 AM	Diabetes and Metabolism Seminar Series Orin Smith Auditorium, UW
May 29 All Day	Immuno-Oncology: BD&L and Investment Forum Online

[View All Events](#) | [Submit an Event](#)
Science Jobs in Seattle

- Clinical Scientist, Clinical Development, Tucatinib**
Seattle Genetics
- Senior Research Associate, Pharmacology**
Zymeworks
- Associate Scientist, Process Development**
Systimmune
- Postdoctoral Research Associate, Innate Immunity**
Benaroya Research Institute
- Bioinformatics Scientist (Integrative Single-Cell Omics)**
Allen Institute for Brain Science

[View 64 Other Science Jobs](#) | [Submit a Job](#)
 [Stay current with COVID-19 research. Read Immunology of Infectious Disease News now.](#)

BROUGHT TO YOU BY


STEMCELL Technologies
 Products | Services

STEMCELL's Science Newsletters
 Free Weekly Updates on Your Field

The Stem Cell Podcast
 Interviews and Updates on Stem Cell Science