

Publications of the Week

Parabrachial CGRP Neurons Establish and Sustain Aversive Taste Memories

First Author: Jane Chen | Senior Author: Richard Palmiter *(pictured)*
Neuron | UW



Food aversions develop when the taste of a novel food is associated with sickness, which often occurs after food poisoning or chemotherapy treatment. The authors identified calcitonin-gene-related peptide (CGRP) neurons in the parabrachial nucleus as sufficient and necessary for establishing a conditioned taste aversion, and as contributors to the maintenance and expression of those memories. [Abstract](#)

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Awards

William Banks Receives Middleton Award

UW Medicine



Dr. William Banks *(pictured)*, Professor of Gerontology and Geriatric Medicine at UW and Associate Chief of Staff for Research and Development at VA Puget Sound Health Care System, has received the 2018 William S. Middleton Award. It is the highest honor conferred by the VA Biomedical Laboratory Research and Development Service. [Read More](#)

Fuki Hisama Awarded Minority Faculty Mentoring Award

UW Medicine



Dr. Fuki Hisama *(pictured)*, Professor of Medical Genetics at UW, was recently awarded the Minority Faculty Mentoring Award from the UW School of Medicine Committee for Minority Faculty Advancement. This award recognizes the need for excellence in mentoring of under-represented faculty groups to achieve diversity and inclusion. [Read More](#)

Allen Frontiers Group Awards \$13.5M for Research on Cancer, Cells, Aging and Brains

GeekWire



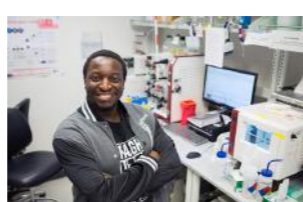
The Allen Frontiers Group, a division of the Seattle-based Allen Institute, was created in 2016 with an initial investment of \$100 million to fund research that could lead to biomedical breakthroughs. The Allen Distinguished Investigator awards are designed to support early-stage research that's unlikely to receive support from traditional funding sources, but has the potential to produce significant advances in biology. [Read More](#)

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Local News

Fundamental Protein Structure Engineered in Lab

UW Medicine



For the first time scientists have successfully designed non-local beta-sheet proteins from scratch. These structures will be essential for creating artificial antibodies and active sites for enzymes and ligand-binding proteins, which are critical to many processes in living things. The project was led by researchers Enrique Marcos and Tamuka Chidyausiku *(pictured)* under the supervision of Dr. David Baker. [Read More](#)

National 'All of Us' Campaign Aims to Enlist a Million Genomes for Precision Medicine

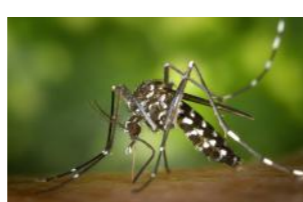
GeekWire



The goal of the 'All of Us' program is to recruit a million Americans from all walks of life to have their entire genetic code deciphered, and then to trace the connections between their genes and their health over the course of decades. UW's Northwest Genomics Center is one of three centers charged with analyzing DNA samples. [Read More](#)

How West Nile Virus Is Transmitted

UW Medicine



The first locally acquired case of West Nile virus in a King County resident has been reported by Public Health – Seattle & King County. Justin Roby, senior fellow in immunology at the Gale Lab at UW Medicine, explains the transmission cycle as well as research that's being done at UW Medicine to see how our bodies fight against the virus. [Read More](#)

New Southeast University-Allen Institute Collaboration Uses VR to Capture 3D Shapes of Mouse Neurons

Allen Institute for Brain Science



A new international collaboration between the Allen Institute for Brain Science and Southeast University in Nanjing, China, is tackling the difficult problem of capturing the entire 3D shape of mouse neurons, cell by cell, from the entire animal's brain. The new effort is using virtual reality (VR) headsets that allow researchers to manually trace the cells' morphologies in 3D, as well as computational analyses to help automate the reconstruction of those morphologies. [Read More](#)

Detecting E. coli Strains Using Molecular Electronics

Science Daily



Finding a fast and inexpensive way to detect specific strains of bacteria and viruses is critical. However, current methods for detecting illness-causing strains of bacteria require either time-intensive biological cell cultures or DNA amplification approaches that rely on expensive laboratory equipment. Researchers at UW have adapted a molecular electronic device, called a single-molecule break junction, to detect RNA from strains of *E. coli* known for causing illness. [Read More](#)

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Interesting Articles

Wellcome and Gates Join Bold European Open-Access Plan

Nature News



Two of the world's largest biomedical research funders have backed a plan to make all papers resulting from work they fund open access on publication by 2020. The London-based Wellcome Trust and the Bill and Melinda Gates Foundation have announced they are both endorsing 'Plan S', adding their weight to an initiative already backed by 13 research funders across Europe since its launch in September. [Read More](#)

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Upcoming Events in Seattle

- November 13 5:00 PM Adolescent Mental Health and HIV Keynote Lecture**
Husky Union Building
- November 13 7:00 PM Science in the City: The Surprising Link between Livestock Health and Girls' Education**
Pacific Science Center
- November 26 6:00 PM Science on Tap: Jeff Duda**
Ravenna Third Place Bookstore
- December 1 5:30 PM Hutch Holiday Gala**
Sheraton Grand Seattle
- December 9 - 11 12:30 PM Metabolites as Signaling Molecules**
Motif Seattle

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Science Jobs in Seattle

- Sr. Clinical Development Scientist**
Philips
- Research Assistant**
Infectious Disease Research Institute
- Scientist 1, Neuroanatomy and Data Analysis**
Allen Institute for Brain Science
- Clinical Fellow, Cancer Immunotherapy**
Fred Hutchinson Cancer Research Center
- Clinical Research Scientist**
Seattle Children's Hospital

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