

Publications of the Week

Neuron Cilia Restrain Glial KCC-3 to a Microdomain to Regulate Multisensory Processing

First Author: Sneha Ray | Senior Author: Aakanksha Singhvi (pictured)
Cell Reports | Fred Hutch and UW



Glia interact with multiple neurons, but it is unclear whether their interactions with each neuron are different. This interrogation at single-cell resolution reveals that a single glial cell exhibits specificity in its interactions with different contacting neurons. Using this data, researchers posit a broadly conserved glial mechanism that modulates information processing across multimodal circuits.

[Abstract](#) | [Press Release](#)

RNA and Phosphoprotein Profiles of TP53- and PTEN-Knockouts in MCF10a at Baseline and Responding to DNA Damage

First Authors: ChenWei Lin and Regine Schoenherr | Senior Author: Amanda Paulovich (pictured)
Scientific Data | Fred Hutch



A wealth of proteogenomic data has been generated using cancer samples to deepen our understanding of the mechanisms of cancer and how biological networks are altered in association with somatic mutation of tumor suppressor genes, such as TP53 and PTEN. To generate functional signatures of TP53 or PTEN loss, researchers profiled the RNA and phosphoproteomes of the MCF10A epithelial cell line. [Abstract](#)

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Awards

Dr. Paul Nghiem Named Founding Chair of the Department of Dermatology

The Huddle



Dr. Paul Nghiem (pictured) will serve as the founding chair of the Department of Dermatology at the UW School of Medicine. His clinical and research interests include Merkel cell carcinoma, melanoma, and complex skin cancer management. He oversees the Nghiem Lab, a laboratory focused on the biology of skin cancer with a special focus on Merkel cell carcinoma. [Read More](#)

Dr. Susan Wong Selected as Fulbright Scholar

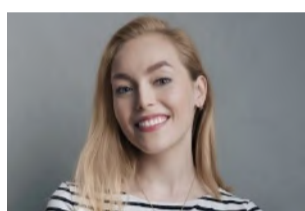
UW Medicine



Dr. Susan Wong (pictured), Associate Professor of Nephrology, has been chosen as a Fulbright Distinguished Professor to the United Kingdom. She was selected by a presidentially appointed twelve-member board tasked with overseeing the Fulbright Program and advancing mutual understanding and scholarly exchange between the peoples of the United States and other countries. [Read More](#)

New Ideas in UW Alzheimer's Research

UW Medicine Memory & Brain Wellness Center (MBWC)



UW MBWC's Alzheimer's Disease Research Center congratulates the investigators who were awarded 2024-2025 Developmental Project Grants. These projects will use ADRC resources and participant data in studies on the cutting edge of research into Alzheimer's and related dementias. Among the four awardees is Dr. Jeanne Gallée (pictured). [Read More](#)

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Local News

Healionics Lands \$5.5M to Complete Human Trial of Artificial Blood Vessel for Dialysis Patients

GeekWire



Healionics, a Seattle-based medical technology company, raised \$5.5 million in new financing aimed at helping the company complete an ongoing human trial and pursue regulatory clearance and commercialization of its artificial blood vessel for kidney dialysis patients. According to Healionics, more than 550,000 people in the US suffer from kidney failure and require frequent dialysis to filter waste from their blood. [Read More](#)

Rare Disease Day 2024 and the Frontier of Genetic Research

Pacific Northwest Research Institute (PNRI)



Rare Disease Day 2024 pays tribute to the 300 million people worldwide navigating life with rare diseases. It's a day to honor their incredible strength and resilience and spotlight the myriad challenges they encounter. The PNRI highlights the labs of Drs. Cláudia Carvalho (pictured) and Aimée Dudley, who are at the forefront of innovation in rare disease research. [Read More](#)

Cellular Yoga: Stretching Cells to See a Hidden World

Allen Institute



Scientists have powerful tools to peer inside single cells — but they can only peer so far. Some of a cell's innermost secrets remain elusive, too small or fleeting to study. Two Allen Distinguished Investigators are developing a radical new technology to investigate a key biological blind spot. Their goal: stretch cells like Silly Putty, physically enlarging them by up to 20 times. This would hopefully unveil small molecules that act as vital cellular nutrients. [Read More](#)

Six BioE Teams to Compete in the 2024 Health Innovation Challenge Finals

UW Department of Bioengineering



Six UW Bioengineering (BioE)-related teams competed in the 2024 Hollomon Health Innovation Challenge on February 29. The Bioengineering students are part of 22 regional finalist teams facing off in the competition. Hosted by the UW Foster School's Buerk Center for Entrepreneurship, the teams are competing for more than \$40,000 in prizes this year. [Read More](#)

Nancy Allbritton Elected to the National Academy of Engineering

UW Department of Bioengineering



Dr. Nancy Allbritton (pictured), Dean of the University of Washington College of Engineering and Professor of bioengineering, has been elected to the prestigious National Academy of Engineering. Dr. Allbritton's election acknowledges her groundbreaking work in innovating and commercializing technologies such as single-cell analysis and gut-on-chip platforms for drug screening. [Read More](#)

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📅 Upcoming Events in Seattle


March 7 2:00 PM	Pacific Northwest Regional Resources for Biomedical Entrepreneurs Online
March 8 9:00 PM	Mad Science Here-After
April 4 2:00 PM	Biomedical Innovation Fireside Chats: Regulatory Strategy Online
April 17 - 18 8:00 AM	Life Science Innovation Northwest 2024 Seattle Convention Center
April 18 2:00 PM	Biomedical Innovation Fireside Chats: Product Development Online

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📁 Science Jobs in Seattle

- Flow Cytometry Non-Registered Tech**
Labcorp
- Principal Protein Scientist, High-Throughput Screening**
Stealth Co.
- Research Scientist II, Murine Models of Cell Therapies**
Seattle Children's
- Implementation Science Research Coordinator**
UW
- Associate Research Scientist**
Futran Solutions

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