

Publications of the Week

DNA Methylation and Chromatin Accessibility Predict Age in the Domestic Dog

First Author: Kelly Jin | Senior Authors: Noah Snyder-Mackler and Daniel Promislow *(pictured)*
Aging Cell | UW



While the ability of DNA methylation to predict chronological age has been repeatedly demonstrated, the ability of other epigenetic features to predict age remains unclear. Here, researchers use two types of epigenetic information to develop age predictors in peripheral blood mononuclear cells sampled from a population of domesticated dogs. [Abstract](#)

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Awards

BRI President Dr. Jane Buckner Receives 2024 American Association of Immunologists' Steinman Award for Human Immunology Research

Benaroya Research Institute (BRI)



Dr. Jane Buckner *(pictured)*, President of Benaroya Research Institute, is the recipient of the prestigious 2024 American Association of Immunologists' Steinman Award for Human Immunology Research. This annual award recognizes an individual who has made significant contributions to the understanding of immune processes underlying human disease pathogenesis, prevention, or therapy.

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Dr. Pavan Bhatraju to Receive Outstanding Investigator Award

UW Medicine



Dr. Pavan Bhatraju *(pictured)* has been selected as the 2024 recipient of the Western Association of Physicians and the Western Society for Clinical Investigation Outstanding Investigator Award. The Outstanding Investigator Award is presented in recognition of Dr. Bhatraju's outstanding scientific contributions to academic medicine. [Read More](#)

WRF Awards \$250,000 to Seattle Children's Research Institute for Development of Novel One-Time Gene Therapy for Severe Asthma, Eosinophilic Esophagitis, and Other Conditions

Washington Research Foundation (WRF)



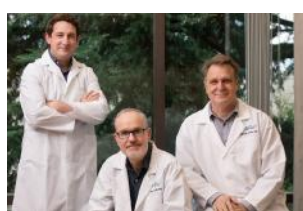
WRF has awarded a \$250,000 phase II technology commercialization grant to support the development of a novel gene therapy for the treatment of severe asthma and eosinophilic esophagitis. This grant was awarded to investigators Drs. Sinduja Marx *(pictured, right)* and Jason Price *(left)*, Postdoctoral Scholars at the Olson Lab in Seattle Children's Research Institute. [Read More](#)

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Local News

Ready for This Moment: Exploring Prevention of Ulcerative Colitis

Benaroya Research Institute (BRI)



Drs. Adam Lacy-Hulbert *(pictured, right)*, James Lord *(center)*, and Oliver Harrison *(left)* lead the Gut Immunity Program at BRI, working to find answers and improve care for people with conditions like ulcerative colitis and Crohn's disease. "We want to better understand how biological processes that start deep within the cells affect people," Dr. Lord says. [Read More](#)

Promising Young Scientist: Sophia Gibson Intends to Work in the 'Computational Space,' Without 'Leaving the Bench Behind'

Brotman Baty Institute (BBI)



New PhD student Sophia Gibson *(pictured, left)* is now working in the long-read sequencing lab of BBI's Dr. Danny Miller *(right)*, who is advising Gibson as she pursues a PhD in Genome Sciences. "One of [Sophia's] biggest contributions has been the development of methods to identify repeat expansions in long-read sequencing data and ways to visualize those results," says Dr. Miller. [Read More](#)

Professor Su-In Lee Shares Her Cutting-Edge Research Combining AI with Biomedicine

The Daily



In a world of ever-evolving technological advances, UW is engaging in AI development. Dr. Su-In Lee *(pictured)*, a Professor from the Paul G. Allen School of Computer Science & Engineering, is exploring AI through her research that focuses on the intersection of AI and biomedicine. Dr. Lee's research focuses on identifying genes that cause certain diseases, such as Alzheimer's and cancers. [Read More](#)

Why Greater Seattle Is a Top Place for Innovation in Health Care and Life Sciences

Puget Sound Business Journal



Greater Seattle boasts a robust life sciences ecosystem that shares a symbiotic relationship with health care. According to Life Science Washington, more than 1,100 life science organizations in the state employ almost 44,000 people and represent an economic impact of more than \$35 billion. There also are innovations coming out of the private sector in the areas of predictive medicine, drug discovery, and precision oncology. [Read More](#)

New Treatment, Approach Improves Outcomes for Rare Eye Cancer

The Huddle



Very few patients ever receive an eye cancer diagnosis. But when they do, it's typically for uveal melanoma, and they often face an uphill battle. This cancer frequently resists treatment, and it can metastasize through the body. UW Medicine has joined a select group of research teams nationwide to find a solution. They are testing a new drug and delivery method that could shrink uveal melanoma tumors that have spread to other organs. [Read More](#)

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Upcoming Events in Seattle

- January 31 8:00 AM **Seattle BioTech & Bagels Morning Virtual Meetup** Online
- February 1 12:00 PM **ISB Research Roundtable** Online
- February 1 4:00 pm **2024 Long-Covid Symposium** UW
- February 4 2:30 PM **Microbiology Essentials** SoundBio Lab
- February 7 5:30 PM **SciComm in Seattle Happy Hour** Stoup Brewing

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Science Jobs in Seattle

- Postdoctoral Fellow, Molecular Biology of Autism**
Seattle Children's
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Fred Hutch
- Senior Scientist, Protein Science**
Bonum Therapeutics
- Research Scientist, Computational Biology**
ByteDance
- Research Scientist I**
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