

Publications of the Week

Spatial Multi-Omics Unveils the Monoclonal Origin, Neuroendocrine Plasticity, and Microenvironment Niches in Combined Small-Cell Lung Cancer

First Authors: Zhuo Wang, Qing Luo, Jie Wu, and Li Lu | Senior Authors: Qihui Shi, Ziming Li, and Wei Wei (*pictured*)
Cell Reports Medicine | Institute for Systems Biology



Combined small-cell lung cancer (cSCLC) is an aggressive subtype of SCLC with mixed histologic components. Despite heterogeneity and poorer prognosis than *de novo* SCLC, cSCLC is managed as SCLC because molecular insight is limited. Here, researchers perform spatial whole-exome sequencing, spatial transcriptomics, and single-nucleus RNA sequencing across 19 treatment-naïve cSCLC tumors. [Abstract](#) | [Press Release](#)

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Awards

NIH-Funded Team Led by Berndt Lab Aims to Supercharge Protein Sensor Engineering

UW Institute for Stem Cell and Regenerative Medicine



Dr. Andre Berndt (*pictured*), an Associate Professor of Bioengineering and Faculty Member in the Institute for Stem Cell and Regenerative Medicine (ISCRM), leads a research lab determined to push the boundaries of protein-based sensor technology. For Dr. Berndt, that means creating a real-time view of neural patterns down to the single-cell level, like a traffic camera with the capacity to track the live movement of individual cars. [Read More](#)

Advancing Novel Treatment for Cryptosporidiosis in Children

UW Medicine



Dr. Wesley Van Voorhis (*pictured*) has received a grant to support advancement of a promising new therapeutic candidate for cryptosporidiosis, a devastating diarrheal disease that disproportionately affects young children in low-income and middle-income countries. Cryptosporidiosis — caused by *Cryptosporidium parasites* — is a leading cause of prolonged diarrheal illness in children under five years of age. [Read More](#)

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Local News

Evidence, Excitement: In the Moment With a GLP-1 Expert

UW Medicine



In a Q&A with UW Medicine Newsroom, endocrinologist Dr. David Cummings (*pictured*) discusses GLP-1 drugs' evidence, side effects, and unknowns. Dr. Cummings, Professor of Medicine at UW and Endocrinologist with the VA Puget Sound Healthcare System, has spent 35 years studying humans' appetite, body weight, and energy metabolism — the biological systems that GLP-1 drugs are designed to affect. [Read More](#)

Q&A With Dr. Maitreya Dunham: Reflecting on MSS 2026 and Looking Ahead to the Future of Genome Science

Brotman Baty Institute



Dr. Maitreya Dunham (*pictured*), Chair of the UW Department of Genome Sciences, participated in the 9th Annual Mutational Scanning Symposium (MSS). In this Q&A, she discusses the conference, as well as the future of genome sciences. MSS continues to emphasize growing accessibility in the field and encompasses many important elements in the future of genome science. [Read More](#)

Allen Institute Hosting Northwest Regional Conference on Leading-Edge Genomic Science

Brotman Baty Institute



The Allen Institute will host scientists, researchers, students, and others from the Pacific Northwest working on leading-edge genomic science. The Cascadia Advanced Genomic Technologies (CAGT) Meeting is intended to “accelerate discovery at the intersection of biology and technology through collaboration and knowledge exchange.” [Read More](#)

New Study Links Noncoding DNA Genetic Variants to Root Causes of Rheumatoid Arthritis

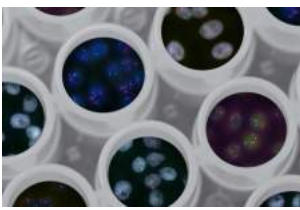
Benaroya Research Institute



In a study published in Annals of the Rheumatic Diseases, researchers from UW and Benaroya Research Institute (BRI) have uncovered how subtle differences in noncoding regions of DNA — areas that do not code for proteins — can contribute to rheumatoid arthritis (RA) by disrupting the regulation of immune genes. The study was led by Dr. R. David Hawkins at UW Medicine along with Drs. Jane Buckner (*pictured*) and Karen Cerosaletti at BRI. [Read More](#)

Fred Hutch Funds 10 Washington State Initiatives to Expand Cancer Prevention

Fred Hutch



Fred Hutch's Community Grants Program has recently awarded 10 cancer prevention projects across Washington state up to \$15,000 each, for a total of \$145,500. These dollars will support community-led solutions for cancer prevention, screening and education, particularly for historically underserved populations. This 2026-2027 grant cycle drew a record number of project proposals for the second year in a row. [Read More](#)

Designing Better Weapons to Fight Prostate Cancer

Allen Institute



A new study in the journal Immunity reveals that the prostate has its own defense force and unlocks key insights into how this army of cells, known as tissue-resident memory CD8 T cells works. “We found that different types of T cells live in different areas, or neighborhoods, within the tissue, and where they live determines how they behave,” said Dr. Kennidy Takehara (*pictured*), lead study author. [Read More](#)

Drug-Resistant *Shigella* Threatens Young Children Globally

UW Medicine



A new UW study has found that most *Shigella* cases are resistant to recommended and commonly used antibiotics. “We have known *Shigella* is a major contributor to childhood diarrhea since the use of more sensitive diagnostic tools in the last decade. But until this study, we did not appreciate the incredibly high burden of antibiotic resistance in this bacteria,” said Dr. Patricia Pavlinac (*pictured*), one of the paper's lead authors. [Read More](#)

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 Upcoming Events in Seattle

April 21 8:00 AM	Life Science Innovation Northwest Seattle Convention Center
April 21 12:00 PM	ISB's Research Roundtable: How the Body Ages Online
April 23 5:30 PM	UW Science Now With Haley Walk, Ishaan Ambrish, and Ralph Tayyar The Wyncote NW Forum
April 25 8:00 AM	2026 Cell Signaling Breakthroughs Symposium Renaissance Seattle Hotel
April 25 5:30 PM	UW Science Now With Maya Singh, Deja Monet, and AJ Mallory The Wyncote NW Forum

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 Science Jobs in Seattle

Field Service Engineer STEMCELL Technologies
Research Administrator III Fred Hutch
Research Scientist 1, UW Virology Lab UW Medicine
Research Scientist I Seattle Children's
Research Associate II, Technical Operations A-Alpha Bio

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THIRD ANNUAL
BRI IMMUNOLOGY SYMPOSIUM

New Horizons in Immunity and Disease

May 5, 2026 | 8:30 a.m. – 5:30 p.m.
Bell Harbor International Conference Center

 Benaroya Research Institute
Virginia Mason Franciscan Health

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