

Publications of the Week

Multiple-Testing Corrections in Case-Control Studies Using Identity-By-Descent Segments

First Author: Seth Temple | Senior Author: Elizabeth Blue *(pictured)*
American Society of Human Genetics | Brotman Bay Institute and UW



Identity-by-descent (IBD) mapping provides complementary signals to genome-wide association studies when multiple causal haplotypes or variants are present but not directly tested. Here, researchers propose the difference between affected-affected and control-control IBD rates as an IBD mapping statistic. Their scalable approach makes further use of large consortia resources, which are expensive to collect but provide insights into disease mechanisms. [Abstract](#)

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Awards

Dr. Holly Harris Awarded the Inaugural Bus Family Endowed Chair for Research on Women’s Health

Fred Hutch



Dr. Holly Harris *(pictured)* was recently announced as the inaugural holder of the Bus Family Endowed Chair that will support research in gynecologic oncology and breast cancer. Dr. Harris studies how lifestyle, nutrition, and other health conditions can all impact women’s health, specifically in ovarian cancer and breast cancer. She also researches gynecologic conditions that share risk factors with these diseases, including uterine fibroids and endometriosis. [Read More](#)

Pankhuri Gupta Receives Richard King Trainee Award

UW Medicine



Pankhuri Gupta *(pictured)* is the recipient of the 2026 Richard King Trainee Award. This award was instituted by the American College of Medical Genetics and Genomics. Gupta currently leads efforts to reclassify variants of uncertain significance within the Brotman Baty Institute Clinical Variant Database, which includes clinical genetic data from over 8,000 patients. [Read More](#)

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Local News

We Wait for Disease to Shout—What if We Listened When Biology Whispered?

Cell Systems



Most diseases are not caused by large-effect single factors but by the cumulative impact of small, context-dependent perturbations. Researchers from the Institute for Systems Biology, including Dr. Noa Rappaport *(pictured)*, published a perspective piece in *Cell Systems* to discuss how shifting medicine from reactive treatment to proactive health requires detecting and interpreting these perturbations. [Read More](#)

Youth Triumphs in Test to Regenerate Kidney Tissue

UW Medicine



UW scientists announced the discovery that, in tests to develop multifunctional kidney tissue, young stem-cell populations showed dramatic advantages compared with organoids that were just one week older. Researchers in Dr. Benjamin Freedman’s *(pictured)* lab showed that lab-grown mini-kidneys only 4 days old, after being implanted in mice, went on to develop specialized tissues not seen in previous attempts. [Read More](#)

New Long-Term Analysis Suggests Follicular Lymphoma Can Be Cured

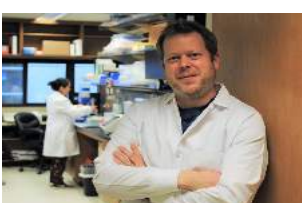
Fred Hutch



Follicular lymphoma (FL), a common and usually slow-growing type of non-Hodgkin lymphoma, has long been deemed incurable. A new analysis, conducted by Dr. Mazyar Shadman *(pictured)* and his collaborators at Fred Hutch, from 15 years of follow-up of patient with follicular lymphoma who were treated with chemoimmunotherapy suggests that FL can be curable. [Read More](#)

‘Sample to Sequence’ Workflow for Long Read Sequencing: A Q&A with BBI’s Dr. Danny Miller

Brotman Baty Institute (BBI)



Dr. Danny Miller *(pictured)* and his team have demonstrated a “sample-to-sequence” workflow for processing DNA isolated from cell culture, whole blood, and solid tissue. It’s a “hands-off” approach, with minimal manual intervention. This method preserves DNA integrity, reduces potential for human contamination, and minimizes the equipment needed to rapidly make libraries for long read sequencing. [Read More](#)

Creating a Mouse Whose Cells Record Their Own Histories: Seattle Hub’s Read Team Helps Chart a Course in Uncharted Territory

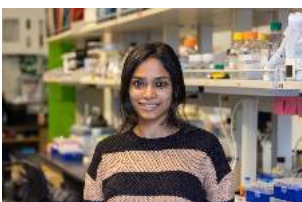
Brotman Baty Institute (BBI)



The Read Team, comprised of Drs. Florence Abadie *(pictured, left)* and Will Hannon *(right)*, is at the center of what likely is one of the most consequential scientific projects of our time: creating a mouse whose cells record their own histories over time. The project, which launched in January of 2024 with a five-year, \$70 million grant, is a collaboration among the Allen Institute, BBI, UW, and Biohub. [Read More](#)

ISCRM Researchers Use AI-Designed Protein to Produce More Mineralized Enamel

UW Institute for Stem Cell and Regenerative Medicine (ISCRM)



Tooth decay is one of the most widespread diseases in the world, perhaps only second to the common cold. The Ruohola-Baker lab has been at the helm of a multidisciplinary effort to usher in the age of living teeth using stem cell, genomics, and protein design technologies. Anjali Patni *(pictured)*, a PhD student, and the lab now describe a blueprint for regenerating enamel, and even an entire tooth. [Read More](#)

Oncology Insights with Dr. Petros Grivas

Fred Hutch



In this episode of Meet the Greek, Drs. Petros Grivas *(pictured)* and Rosa Nadal Rios discuss her journey from Spain to the U.S., her work in cellular immunotherapy for genitourinary cancers, and the innovative programs at Fred Hutch. Listen to the podcast to discover insights into personalized cancer treatments, multidisciplinary care, and future directions in immunotherapy. [Read More](#)

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Upcoming Events in Seattle

March 21
10:00 AM
BrainFest 2026
Pacific Science Center

April 7
6:30 PM
UW Public Lectures: Interrogating the Epigenome to Reveal Pregnancy Risks in Moms with High Blood Pressure
Town Hall Seattle

April 25
8:00 AM
2026 Cell Signaling Breakthroughs Symposium
Renaissance Seattle Hotel

May 5
8:00 AM
BRI Immunology Symposium: New Horizons in Immunity and Disease
Bell Harbor International Conference Center

Sept. 23 - 25
8:00 AM
Stem Cell & Developmental Biology Early Career Symposium
Allen Institute

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Science Jobs in Seattle

Bioinformatics Analyst I/II
Fred Hutch

Scientist, Non-Viral Gene Editing Platforms
Bristol Myers Squibb

Research Associate I, Lab Animal Services
Allen Institute

Clinical Cell Processing Associate
Seattle Children's

Research Coordinator 2
UW

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