

Publications of the Week

Within-Patient Gene Transfer Between Transiently and Chronically Infecting Bacteria Causes Extreme Antibiotic Resistance During Lung Infections

First Author: Sardar Karash *(pictured)* | Senior Author: Pradeep Singh
Nature Microbiology | Seattle Children's, Fred Hutch, Howard Hughes Medical Institute, and UW



Antibiotic resistance arising during infections is generally thought to be due to mutations in pathogen genomes. Here, researchers studied *Pseudomonas aeruginosa* and *Achromobacter* collected from people with cystic fibrosis and non-cystic fibrosis bronchiectasis that suddenly developed 10,000-fold increases in tobramycin resistance after tobramycin treatment was initiated.

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

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Awards

Evergreen Fund Awardees

UW Medicine



Eight researchers will receive a total of \$975,000 for research projects as part of Fred Hutch's Evergreen Fund, an internal grant program designed to advance translational discoveries to a commercially viable stage. Among this year's winners is Dr. Erik Kimble *(pictured)* who is exploring a method to boost the effectiveness of CAR T-cell therapy after an initial infusion of these engineered cells. [Read More](#)

Eight UW Faculty and Staff Named Fulbright Scholars; Will Conduct Research Around the World

UW News



Eight University of Washington researchers have been selected as Fulbright Scholars for 2026-2027 and will pursue studies around the world. This year's cohort includes Dr. Amy Orsborn *(pictured)*. She leads a neural engineering lab focused on motor brain-computer interfaces at UW. Her new project will aim to improve our understanding of how plasticity shapes brain dynamics. [Read More](#)

Dr. Sita Kugel Receives the Leung Roy Family Endowed Chair

Fred Hutch



Dr. Sita Kugel *(pictured)*, pancreatic cancer researcher and a professor at Fred Hutch, is determined to translate her research into new tailored treatments for patients with pancreatic cancer. Dr. Kugel investigates the molecular drivers of cancer and looks for ways to target them with small molecules and immunotherapies. She is the inaugural recipient of the Leung Roy Family Endowed Chair. [Read More](#)

Dr. Jorge Marchand Receives NIH Funding To Grow the “Biocatalytic Toolkit” for Therapeutics

UW Molecular Engineering & Sciences Institute



Dr. Jorge Marchand *(pictured)* has received the prestigious Maximizing Investigator's Research Award from the National Institutes of Health (NIH). Designed to provide highly talented and promising investigators with stable funding, this five-year grant will support Dr. Marchand's research on the biosynthesis, discovery, and biocatalytic production of natural products. [Read More](#)

Asymptomatic TB Transmission, Infectiousness, and Immunology

UW Medicine



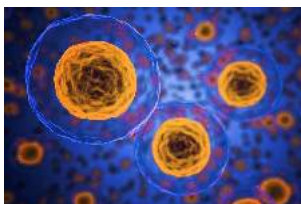
Tuberculosis (TB) is the leading cause of death due to an infectious agent. Drs. David Horne *(pictured, right)* and Thomas Hawn *(left)* are leading a newly awarded R01 funded by the National Institute of Allergy and Infectious Diseases , "Asymptomatic TB Transmission, Infectiousness, and Immunology." This grant will support Nairobi-based investigations into asymptomatic TB. [Read More](#)

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Local News

Biolife Solutions to Be Acquired by Repligen in \$1.5B Cell Therapy Deal

GeekWire



BioLife Solutions, a Bothell-based company developing tools for cell and gene therapy, is being acquired for \$1.5 billion by the life sciences corporation Repligen. BioLife is a publicly traded business that makes products used by biotech firms to keep living cells alive and healthy while they're stored, shipped, frozen or thawed for medical therapies. [Read More](#)

Wayne Demonstrates New Method of Capturing the Dynamic Behavior of White Blood Cells

UW Department of Bioengineering



Macrophage polarization is crucial to the body's response to wounds, cancer, and autoimmune conditions. A team led by Dr. Elizabeth Wayne *(pictured)* has introduced a new way to measure macrophage polarization by tracking the STAT6 signaling protein. They modified human cells to produce STAT6 with a fluorescent protein, then tracked it using bioluminescence temporal spectrometry. [Read More](#)

NIH Backs Olanrewaju Lab's Build Faster, Low-Cost HIV Medication Tests

UW Department of Bioengineering



Professor Ayokunle Olanrewaju is designing a new generation of tests to improve drug adherence. The work is backed by a five-year grant from the National Institutes of Health's National Institute of Allergy and Infectious Diseases. His team is building an assay that will measure the levels of anti-HIV medications used for pre-exposure prophylaxis to prevent infection and treatment among people living with HIV. [Read More](#)

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📅 Upcoming Events in Seattle

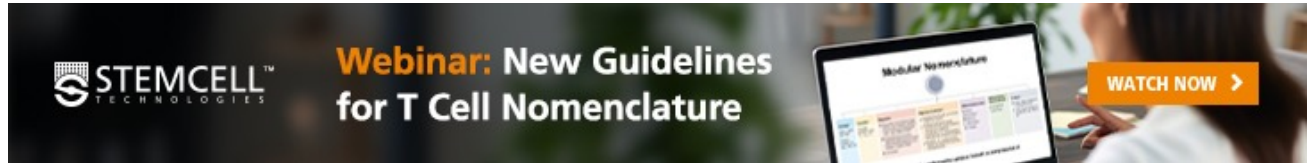
August 6 5:00 PM	America's Secret Space Heroes: Space Shuttle The Museum of Flight
August 13 4:30 PM	Life Science Washington Annual Summer Social 2026 188 E Blaine St
August 15 7:00 PM	SIGNAL: Sazón Seattle Pacific Science Center
Sept. 10 - 11 8:00 AM	Cascadia Mucosal Biology Symposium Allen Institute
Sept. 23 - 25 8:00 AM	Stem Cell & Developmental Biology Early Career Symposium Allen Institute

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📁 Science Jobs in Seattle

- Lab Aide, Part Time**
Fred Hutch
- Research Coordinator 2**
UW
- Research Associate, Laboratory Sciences**
Altasciences
- Specialist, QC Analytical**
Bristol Myers Squibb
- Postdoctoral Research Associate**
Benaroya Research Institute

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