

Publications of the Week

Elevated Apolipoprotein C3 Augments Diabetic Kidney Disease and Associated Atherosclerosis in Type 2 Diabetes

First Authors: Jocelyn Cervantes and Juraj Koska | Senior Author: Jenny Kanter (*pictured*)
The Journal of Clinical Investigation Insight | UW



Apolipoprotein C3 (APOC3) is a key regulator of plasma triglycerides, and it has recently been suggested to play a role in both type 1 diabetes–accelerated atherosclerosis and kidney disease progression. To investigate if APOC3 plays a role in kidney disease in people with type 2 diabetes, researchers analyzed plasma levels of APOC3 from the Veterans Affairs Diabetes Trial. [Abstract](#)

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Awards

Dr. Patrick Boyle Joins Collaborative Effort to Tackle Arrhythmias in Single Ventricle Heart Disease

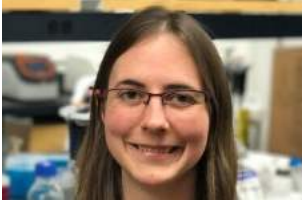
UW Department of Bioengineering



To advance understanding of single ventricular heart disease, a new \$13 million three-year research initiative will bring together scientists from multiple institutions. Funded by the American Heart Association/Additional Ventures Collaborative Sciences Awards in Single Ventricle Heart Disease, five teams, including one team led by Dr. Patrick Boyle (*pictured*), will focus on different aspects of the disease. [Read More](#)

UW's Dr. Ashleigh Theberge Receives Schmidt Sciences Polymath Honors for ‘Boundary-Pushing Work’ in Cell Signaling, Communication

UW News



Dr. Ashleigh Theberge (*pictured*) has been named to the Schmidt Sciences Polymath Program, entitling her to grants of up to \$2.5 million over five years to pursue risky, novel theories that would otherwise be difficult to fund. At the UW, Dr. Theberge is Co-Principal Investigator of the Bioanalytical Chemistry for Medicine and the Environment Laboratory. She studies the chemical signals that cells use to communicate with one another. [Read More](#)

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Local News

Dr. Swati Rane Levendovszky's Brain Imaging Approach to Studying the Brain's Blood Vessels and Alzheimer's Disease

UW Medicine



Early in her career, Dr. Swati Rane Levendovszky (*pictured*) was inspired to explore blood vessel pathology and its relation to Alzheimer's disease in the living brain. Now, as an Associate Professor of Radiology, she uses magnetic resonance imaging to image the living brain and reveal how changes in brain structure relate to symptoms of disease. [Read More](#)

The Paul G. Allen Frontiers Group Announces Allen Discovery Center for Neurobiology in Changing Environments

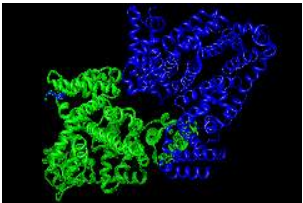
Allen Institute



Climate change is rapidly reshaping our oceans, stressing the nervous systems of marine organisms that have evolved over millions of years. The Allen Institute has launched the Allen Discovery Center for Neurobiology in Changing Environments. This initiative will investigate the impacts of climate change on marine animals' nervous systems and behaviors. [Read More](#)

ZipBio, a New Seattle Biotech Startup Aiming to Compress Proteins, Raises \$4M

GeekWire



Seattle-based biotech startup ZipBio announced its official launch after being founded a year ago and revealed \$4 million in a seed funding round. ZipBio is developing a platform that compresses complex biological structures into smaller, more efficient *de novo*-designed proteins that retain full functionality, optimizing delivery and therapeutic effectiveness. [Read More](#)

Fred Hutch LabLaunch Program Creates Win-Win for Students and Employers

Career Connect Washington



The Fred Hutch LabLaunch program exemplifies how education-employer partnerships can create a win-win opportunity for both students and industry. LabLaunch addresses the need for skilled lab technicians in Washington's life sciences sector. By offering hands-on lab experience and academic training, the program equips students with the skills needed for high-demand roles. [Read More](#)

Microbiome and Diagnostics Startup Viome Lands \$25M and Hires Former Amazon Leader as COO

GeekWire



Viome, a company selling microbiome products and health diagnostics, announced that it raised \$25 million from investors and hired a new Chief Operating Officer (COO), Kal Raman. Viome has developed CancerDetect, a test for oral and throat cancer. The US Food and Drug Administration (FDA) granted the technology a breakthrough device designation, enabling it to receive expedited assessment in pursuit of FDA approval. [Read More](#)

Seattle Startup Arzeda Raises \$38M to Create Proteins for Food, Pharma, and Other Industries

GeekWire



Arzeda, a protein design startup that generates new enzymes for industrial, agricultural, and other applications, announced a \$38 million investment round. The Seattle-based company creates blueprints for enzymes using protein design software. Arzeda also tests and develops the enzymes in its labs. Arzeda was the first company to spin out of the lab of Dr. David Baker from UW. [Read More](#)

New Immunology Institute Reimagines Postdoctoral Training

UW Medicine



The UW Medicine Institute for Translational Immunology has revamped its training for biomedical researchers focused on understanding the body's defense mechanisms against infection, cancer, and autoimmune disorders such as multiple sclerosis and lupus. As scientists continue to learn more about how the immune system functions, there's hope of developing these findings into practical therapies to prevent, detect, or treat an array of diseases. [Read More](#)

No Lab? No Problem For This Neuroscience Student

Allen Institute



Born out of a lack of access to labs during the pandemic, Dr. Sarah Latchney (*pictured, left*) turned to tools like the Seattle Alzheimer's Disease Brain Cell Atlas and the Allen Brain Cell Atlas. These open science resources offered a window into different diseases to help students like Julia Milner (*right*) get experimental experience without a wet lab. [Read More](#)

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Upcoming Events in Seattle

- | | |
|-------------------------|---|
| September 25 8:00 AM | Seattle BioTech & Bagels Morning Meetup Online |
| September 26 7:30 PM | Crash Course: Where Smart Meets Funny 18th & Union |
| September 27 2:00 PM | ISCRM Fall Symposium 2024 South Campus Center |
| September 27 6:00 PM | IN for the Hutch: Stop Cancer in Its Tracks Fremont Studios |
| October 5 8:30 AM | Resonance Institute for Systems Biology |

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Science Jobs in Seattle

- Scientific Investigator, Director**
Bright Vision Technologies
- Post-Doctoral Research Fellow, McGuire Lab**
Fred Hutch
- Medical Science Liaison**
Syneos Health
- Research Associate, *In Vivo***
BrainChild Bio
- Postdoctoral Scholar, Greninger Lab**
UW

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