



Publications of the Week

LITAF Protects Against Pore-Forming Protein-Induced Cell Death by Promoting Membrane Repair

First Author: Caroline Stefani (*pictured, left*) | Senior Author: Adam Lacy-Hulbert (*right*)
 Science Immunology | Benaroya Research Institute and UW



Membrane pores caused by bacterial pore-forming toxins (PFTs) or endogenous pore-forming proteins can trigger cell death. Membrane repair machinery can promote cell survival and resistance to PFTs, but the cellular mechanisms underlying defense against these toxins are not well defined. This work uncovers a key role for LITAF in sensing plasma membrane damage and activating membrane repair machinery. [Profile](#) | [Abstract](#)

FLIP(C1orf112)-FIGLN1 Complex Regulates RAD51 Chromatin Association to Promote Viability After Replication Stress

First Authors: Jessica Tischler (*pictured*) and Hiroshi Tsuchida | Senior Author: Richard Adeyemi
 Nature Communications | Fred Hutch and UW



Homologous recombination (HR) plays critical roles in repairing lesions that arise during DNA replication and is thus essential for viability. RAD51 plays important roles during replication and HR, however how it is regulated is unclear. Researchers posit that FLIP is essential for limiting RAD51 levels on chromatin in the absence of damage and for RAD51 dissociation from nucleofilaments to properly complete HR. [Abstract](#)

[View All Publications](#)

Awards

BRI's Dr. Steven F. Ziegler Named 2024 Distinguished Fellow by the American Association of Immunologists

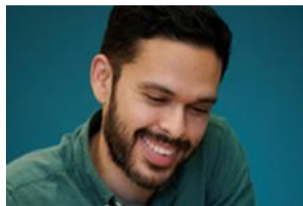
Benaroya Research Institute (BRI)



Dr. Steven Ziegler (*pictured*) has been named a 2024 Distinguished Fellow by the American Association of Immunologists (AAI). "I am deeply honored to be recognized as an AAI Distinguished Fellow," said Dr. Ziegler. "I've been involved with the association for 29 years and am grateful for the opportunities it has allowed to collaborate with some of the brightest minds in science." [Read More](#)

2023 Violet Zuvela Primary Care IM Scholarship Awards

UW Medicine



UW Medicine congratulates the 2023 recipients of the Violet Zuvela Primary Care IM Scholarship Awards, Antonio Guadamuz (*pictured*) and Maggie Wilkins. The Violet Zuvela Primary Care IM Scholarship Award was created in 2017 by the generosity of the late Violet Zuvela, who was a patient of Dr. Douglas Paauw, former director of Medicine Student Programs. [Read More](#)

[View All Awards](#)

Local News

GeekWire 200 Shakeup Reveals Major Shifts in Seattle and Pacific Northwest Startup Landscape

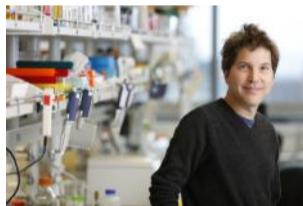
GeekWire



A new wave of startups is transforming the technology community in the Seattle area and the surrounding region, fueled by breakthroughs in artificial intelligence, health, energy, and other emerging technologies. GeekWire has released GeekWire 200, their quarterly ranking of the top privately held technology startups in Seattle and the rest of the Pacific Northwest. [Read More](#)

Drs. David Baker and George Church Call for Enhanced Controls on DNA Synthesis

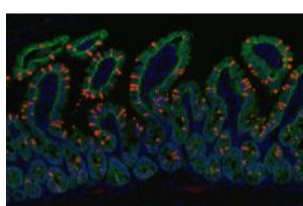
Institute for Protein Design



Drs. David Baker (*pictured*) and George Church — two professors whose research has helped define modern biotechnology — published an editorial in *Science* calling for enhanced screening and universal logging for all manufactured DNA sequences. "This would present a practical barrier to the creation of harmful biomolecules, whether accidental or intentional," they write. [Read More](#)

Cancer Treatment Company Perspective Therapeutics Raises \$90M

Puget Sound Business Journal



The Seattle-based company Perspective Therapeutics has recently raised a total of \$89.8 million. Of this, \$69 million was raised through an underwritten public offering and \$20.8 million through a private placement. Perspective Therapeutics was formed in 2023 with the merger of Isoray and Iowa-based Viewpoint Molecular Targeting and is led by CEO Thijs Spoor. [Read More](#)

Milestones of the Department of Medicine, 1948-2023

UW Medicine



The Department of Medicine at UW was founded in 1948 and led by its first chair, Dr. Robert Williams. The Department celebrated their 75th Anniversary in 2023 by publishing a book of milestones. They have also created a webpage of their milestones on the departmental website, which includes highlights like the first documented case of HIV, the first bone marrow transplantation, and the first outpatient dialysis center. [Read More](#)

How Your Immune System Changes Over Time

Allen Institute



Using a powerful method developed at the Allen Institute for Immunology, researchers led by Dr. Claire Gustafson (*pictured*) compared populations of T cells in healthy children and older adults. They discovered two surprising aspects of a shifting immune landscape: profound molecular changes in a type of T cell that was thought to resist aging, and a new subtype present in children that vanishes with age. [Read More](#)

A Critical Convergence of Expertise in Seattle's Biotech Ecosystem

GeekWire



If you are at high risk of having a heart attack, stroke or cardiac death now or in the next year, wouldn't you want to know? Thanks to one Seattle-area biotech startup, you can now find out with a simple blood test. Washington-based company Prevencio provides the first non-invasive heart-attack, stroke, and cardiac death risk diagnostic tools. [Read More](#)

[View All Articles](#)

Interesting Articles

Dr. Kayla Young of Phase Genomics on How to Create More Inclusive Workplaces

Medium



Dr. Kayla Young is at the forefront of growing Seattle biotech, serving on numerous boards and in leadership positions where she fosters a culture of inclusivity throughout the broader Pacific Northwest life sciences ecosystem. In her role as Chief Operating Officer at Phase Genomics, she developed the company's equitable hiring practices, leads the company's training programs, and is passionate about the employee's workplace experience. [Read More](#)

[View All Interesting Articles](#) | [Submit an Article or Local News](#)

Upcoming Events in Seattle

- February 7 5:30 PM **SciComm in Seattle Happy Hour**
Stoup Brewing
- February 8 2:00 PM **Biomedical Business Models and Funding Sources**
Online
- February 10 9:00 AM **SEP School Year Workshop: Frontiers Intro to Cancer**
Fred Hutch
- February 11 2:30 PM **Microbiology Essentials**
SoundBio Lab
- February 12 8:00 AM **Spatial Multi-Omics for Cancer Systems Biology**
Online

[View All Events](#) | [Submit an Event](#)

Science Jobs in Seattle

- Manager, Cell Therapy Scheduling Logistics**
Sonoma Biotherapeutics
- Open Rank Faculty Position, Cancer Cell Therapy**
Fred Hutch
- Environmental Science Laboratory Coordinator**
UW
- Associate Director, Medical Science Liaison**
Lilly
- Laboratory Worker**
IEH Laboratories

[View 38 Other Science Jobs](#) | [Submit a Job](#)



Submit your articles and events by reaching out to us at info@scienceinseattle.com.

BROUGHT TO YOU BY



STEMCELL Technologies
Products | Services

STEMCELL Science News
Free Weekly Updates on Your Field

The Stem Cell Podcast
Interviews and Updates on Stem Cell Science

