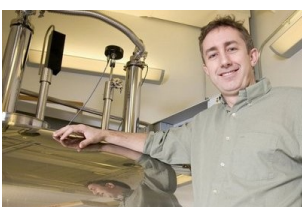


Publications of the Week

Enrichment of Extracellular Vesicles Using Mag-Net for the Analysis of the Plasma Proteome

First Author: Christine Wu | Senior Author: Michael MacCoss *(pictured)*
Nature Communications | UW



Extracellular vesicles (EVs) in plasma are composed of exosomes, microvesicles, and apoptotic bodies. Here, researchers reported a plasma EV enrichment strategy using magnetic beads called Mag-Net. Proteomic interrogation of this plasma EV fraction enables the detection of proteins that are beyond the dynamic range of liquid chromatography-mass spectrometry of unfractionated plasma. [Abstract](#)

Inflammatory Pathways in Residual Asthma Exacerbations Among Mepolizumab-Treated Urban Children

First Author: Matthew Altman *(pictured)* | Senior Author: Daniel Jackson
JAMA Pediatrics | Benaroya Research Institute and UW



While biologic therapies targeting type 2 inflammation reduce acute exacerbation rates, exacerbations still occur, and the underlying molecular mechanisms are poorly defined. This study aimed to identify multiple distinct molecular mechanisms implicated in asthma exacerbations by characterizing respiratory illnesses among urban children with eosinophilic asthma enrolled in a clinical trial comparing treatment with mepolizumab versus placebo. [Abstract](#) | [Press Release](#)

[View All Publications](#) ➔

Awards

Dr. Fionnuala Cormack Selected Teacher of the Year

UW Medicine



Dr. Fionnuala Cormack *(pictured)*, Clinical Associate Professor of Nephrology, was selected as the Nephrology Teacher of the Year by the nephrology fellows. This is the second time she has received this honor. Dr. Cormack is Nephrology Section Head at UW Medical Center-Northwest and Associate Director of the Nephrology Fellowship program. [Read More](#)

[View All Awards](#) ➔

Local News

Collaboration Expands Research Tool to Help Crack the Code on Parkinson's and Other Neurodegenerative Diseases

Allen Institute



Aligning Science Across Parkinson's and the Allen Institute are teaming up to help researchers unlock insights into Parkinson's and other neurodegenerative diseases. Through this collaboration, they are uniting Collaborative Research Network Cloud data from three million human cells across nine brain regions from individuals with Parkinson's into the Allen Brain Cell Atlas visualization tool, which already contains 6.4 million human cells. [Read More](#)

Talus Bio Launches Tech Access Program to Chart the Human Regulome

Talus Bioscience



Talus Bioscience, a biotechnology company pioneering Native Regulome Profiling for drug discovery, recently announced the launch of the Regulome Early Access Program. The new program invites academic and industry research groups working at the frontier of biology to collaborate with Talus Bioscience in mapping the dynamic protein-DNA regulatory network. [Read More](#)

Allen Institute Names Sarah Norris Hall as Next Chief Financial Officer

Allen Institute



The Allen Institute announced Sarah Norris Hall as its next Chief Financial Officer. Norris Hall brings with her more than 16 years of experience in financial leadership, strategic planning, and operational excellence from UW, where she held several key roles. In her new role at the Allen Institute, she will oversee all financial operations, including financial planning, budgeting, accounting, investment strategies, and long-range planning. [Read More](#)

Alcon to Buy LumiThera's Light-Based Therapy for Dry AMD

Fierce Biotech



Alcon has inked a deal to acquire LumiThera and its light-based therapy for dry age-related macular degeneration (AMD), which obtained a groundbreaking FDA clearance late last year. The Valeda system employs photobiomodulation, the use of different wavelengths of low-level light, to help stimulate mitochondrial activity in the cells of the retina. [Read More](#)

The Digital Brain: Unlocking the Mind's Virtual Twin

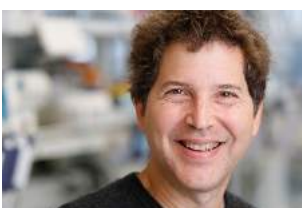
Allen Institute



In April 2025, the Allen Institute unveiled what was once thought impossible: a high-resolution functional map of a cubic millimeter of brain, revealing both form and function. In this *Lab Notes* episode, researchers explain how they created a "digital twin" of a portion of the mouse brain the size of a grain of sand and how they used AI to digitally reconstruct a labyrinth of brain cells and wiring from 95 million high resolution images. [Read More](#)

UW Scientists Use AI to Crack 'Undruggable' Proteins, Opening Door to New Treatments

GeekWire



The wiggly targets known to scientists as "intrinsically disordered proteins" have for decades eluded capture by custom-made drugs and antibodies. Now scientists in a UW lab led by Nobel laureate Dr. David Baker *(pictured)* have cracked the challenge, using generative AI to create proteins that grab hold of the shapeshifting molecules. The discovery could unlock a suite of new drugs and diagnostic tools. [Read More](#)

[View All Local News](#) ➔ | [Submit an Article](#) ➔

📅 Upcoming Events in Seattle

August 4 - 5 8:00 AM	Molecular Analysis Facility Characterization Workshop UW
August 4 - 7 8:00 AM	Teachstravaganza 2025 Allen Institute
August 14 4:30 PM	Life Science Washington Annual Summer Social 2025 118 East Blaine St.
September 5 6:00 PM	ORCA 2025 Banquet UW Center for Urban Horticulture
October 9 - 10 8:00 AM	ISSCR: Seattle International Symposium Block 41

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

📁 Science Jobs in Seattle

Senior Scientist, Oncology Discovery Biology Bristol Myers Squibb
Late Stage Oncology Clinical Scientist, Thoracic (Senior Manager) Pfizer
Assistant Investigator, Proteomics Allen Institute
Postdoctoral Research Associate, Bettelli Lab Benaroya Research Institute
Research Scientist UW

[View 66 Other Science Jobs](#) ➔ | [Submit a Job](#) ➔

Free Templates and Checklists
for Scientific Presentations



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