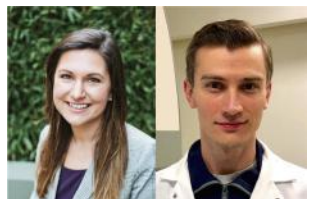
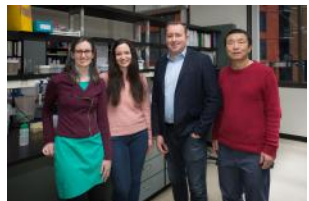


Publications of the Week
Lamin B1 Deletion in Myeloid Neoplasms Causes Nuclear Anomaly and Altered Hematopoietic Stem Cell Function

 First Author: Andreea Reilly (*pictured, left*) | Senior Author: Sergei Doulatov (*right*)
 Cell Stem Cell | Institute for Stem Cell and Regenerative Medicine and UW


Abnormal nuclear morphology is a hallmark of malignant cells widely used in cancer diagnosis. Pelger-Huët anomaly is a common abnormality of neutrophil nuclear morphology of unknown molecular etiology in myeloid neoplasms (MNs). The authors show that loss of nuclear lamin B1 encoded on chromosome 5q induces defects in nuclear morphology and human hematopoietic stem cell function associated with malignancy. [Profile](#) | [Abstract](#) | [Press Release](#)

Oral Desensitization Therapy for Peanut Allergy Induces Dynamic Changes in Peanut-Specific Immune Responses

 First Authors: Veronique Bajzik and Hannah DeBerg (*pictured, left*) | Senior Author: Erik Wambre (*second from right*)
 Allergy | Benaroya Research Institute at Virginia Mason


The PALISADE study, an international, Phase III trial of peanut oral immunotherapy with AR101, resulted in desensitization in children and adolescents who were highly allergic to peanut. The authors examine the immunological changes in blood samples from a subset of peanut-allergic individuals undergoing oral desensitization immunotherapy with AR101. [Profile](#) | [Abstract](#)

The Endophilin Curvature-Sensitive Motif Requires Electrostatic Guidance to Recycle Synaptic Vesicles *In Vivo*

 First Authors: Lin Zhang and Yu Wang | Senior Author: Jihong Bai (*pictured*)
 Developmental Cell | Fred Hutch


Curvature-sensing mechanisms assist proteins in executing particular actions on various membrane organelles. The authors investigate the functional specificity of curvature-sensing amphipathic motifs in *Caenorhabditis elegans* through the study of endophilin, an endocytic protein for synaptic vesicle recycling. They generate chimeric endophilin proteins by replacing the endophilin amphipathic motif H0 with other curvature-sensing amphipathic motifs. [Abstract](#)

[View All Publications](#)
Awards
Dr. Denise Galloway Elected Fellow of the American Association for Cancer Research Academy

Fred Hutch



Dr. Denise Galloway (*pictured*) has been elected a Fellow of the Academy of the American Association for Cancer Research. She joins 255 scientists who have made significant and enduring impacts in cancer research. Dr. Galloway is an expert on the connections between viruses and cancer; her pioneering work on virus-like particles and the link between human papillomavirus (HPV) and cervical cancer paved the way for the cancer-preventive HPV vaccine. [Read More](#)

Dr. Jim Heath Named Fellow of AACR Academy Class of 2022

Institute for Systems Biology



Dr. Jim Heath (*pictured*) has joined the prestigious group of cancer researchers as a newly elected Fellow of the American Academy for Cancer Research Academy Class of 2022. Dr. Heath was chosen for his pivotal contributions to the fields of biotechnology and cancer immunotherapy, bridging chemical synthesis and physics with biology to develop nanoscale technologies. [Read More](#)

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Local News
Improved Cell Response Seen with 'Hybrid' Immunity

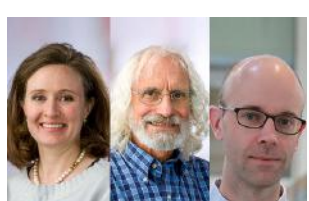
UW Medicine



New research from UW Medicine reports that people who were infected with SARS-CoV-2 before being vaccinated generate an immune response more specific to fighting viral infections, and produce a broader antibody response, than do people whose only protection is the vaccine. "Vaccines alone work incredibly well at protecting against disease; they just don't generate as diverse an immune response as does infection followed by vaccination," said Dr. Marion Pepper (*pictured*), Associate Professor in the UW Department of Immunology. [Read More](#)

Fred Hutch Spinout Affini-T Therapeutics Lands \$175M for Cell Therapies to Treat Solid Tumors

GeekWire



Affini-T Therapeutics, a cell therapy company spun out of Fred Hutch that aims to treat solid tumors, raised \$175 million in initial financing. Fred Hutch invested in the startup, the first time the institution has directly backed a company. Affini-T is founded on technology developed by Fred Hutch investigators, Co-Founders Dr. Philip Greenberg (*pictured, center*), Dr. Thomas Schmitt (*right*) and Dr. Aude Chapuis (*left*). [Read More](#)

Diversity on Display with Newly Released Genomic Dataset

UW Medicine



A diverse, thorough dataset of nearly 100,000 genome sequences is now available to scientists through the National Institutes of Health's *All of Us* Research Program. UW Medicine's Northwest Genomics Center is one of three genome centers involved in the bold project. "The goal is to improve precision medicine, medical care that is aimed at the individual and not what works better in a giant population," said Dr. Gail Jarvik (*pictured*), Head of the Genetic Medicine Clinic at UW Medical Center – Montlake. [Read More](#)

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Interesting Articles
Rise in Defense Spending Means Smaller Increase for Science in New U.S. Budget

ScienceInsider



Congress agreed to give roughly 5% more money to many federal science agencies when it passed a \$1.5-trillion government budget for 2022. But what science advocates had hoped would be a banner funding year fell victim to a bipartisan push to spend much more on defense than President Joe Biden had requested — and to one Democratic senator's rejection of a separate Biden plan to allocate billions of additional dollars for research. [Read More](#)

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Upcoming Events in Seattle

March 30 1:30 PM	Innovating in Oncology: Meet the Startup Innovators Fueling the Future for Cancer Treatment Online
April 5 3:00 PM	Variant Effect Seminar Series – Shawn Fayer and Marty Yang Online
April 7 4:00 PM	Research Roundtable with Dr. Sui Huang Online
April 8 12:00 PM	Science Friday Online
April 12 4:00 PM	Research Roundtable with Drs. Jenn Hadlock and Sam Piekos Online

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Science Jobs in Seattle

- Scientist I, Neural Coding**
Allen Institute
- Postdoctoral Research Fellow, Transcriptional Regulation**
Fred Hutch
- Quality Control Associate I-II, Cell Therapy**
Bristol Myers Squibb
- Senior Research Associate II, Oncology**
Gilead
- Postdoctoral Fellow**
Seattle Children's

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Survey Report: Hurdles of Genome Editing Using CRISPR

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