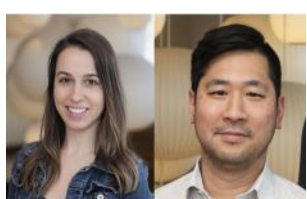


Publications of the Week

Brain Capillary Pericytes Exert a Substantial but Slow Influence on Blood Flow

First Authors: David Hartmann and Andr e-Anne Berthiaume (pictured, left) | Senior Author: Andu Shih (pictured, right) | Nature Neuroscience | Seattle Children's



Using two-photon microscopy to observe and manipulate brain capillary pericytes *in vivo*, researchers found that their optogenetic stimulation decreases lumen diameter and blood flow, but with slower kinetics than similar stimulation of mural cells on upstream pial and precapillary arterioles. This slow vasoconstriction was inhibited by the clinically used vasodilator fasudil. [Profile](#) | [Abstract](#) | [Press Release](#)

The Kr ppel-Like Factor Cabut Has Cell Cycle Regulatory Properties Similar to E2F1

First Author: Peng Zhang | Senior Author: Bruce Edgar (pictured below) | Proceedings of the National Academy of Sciences | Fred Hutch



Using a gain-of-function screen in *Drosophila*, the authors identified the Kr ppel-like factor Cabut (Cbt) as a positive regulator of cell cycle gene expression and cell proliferation. Enforced *cbt* expression is sufficient to induce an extra cell division in the differentiating fly wing or eye, and also promotes intestinal stem cell divisions in the adult gut. [Abstract](#)

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Local News

NIH Funds Collaborative Effort to Pinpoint the Origins of Duchenne Muscular Dystrophy

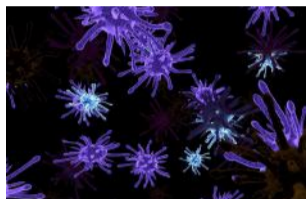
UW



A collaboration between researchers from UW Medicine and Seattle Children's will use a five-year, \$2.7 million grant from the National Institute of Arthritis and Musculoskeletal and Skin Diseases to test the use of small molecules to treat Duchenne Muscular Dystrophy in the earliest stages of development. Dr. David Mack will co-lead the effort with Dr. Lisa Maves. [Read More](#)

Phase Genomics to Develop Commercial Platform for the Discovery of New Viruses with \$1.7 Million Grant

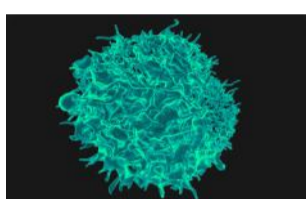
Business Wire, Inc.



Phase Genomics announced the receipt of a \$1.7M grant from the National Institute of Allergy and Infectious Diseases. This funding will fuel the commercialization of a first-in-class solution for the discovery of DNA viruses, employing a novel reagent kit and robust software platform that leverages Phase Genomics' proprietary Hi-C technology. [Read More](#)

Notch Therapeutics Raises \$85M for Cancer Treatments and Plans to Open Seattle Location

GeekWire



Notch Therapeutics has raised a \$85 million Series A round, bringing its total funding to \$91 million. The startup will use some of the new capital to open a facility in Seattle. Notch plans to grow to 100 employees by the end of 2022. About 20 of those jobs will be in Seattle, where it is opening a research laboratory, with the possibility of expanding into regulatory and clinical functions. [Read More](#)

Vice Provost for Research Dr. Mary Lidstrom Steps Down

UW



Dr. Mary Lidstrom (pictured) negotiated a 75% position as Vice Provost for Research in November 2005, reserving 25% of her time to maintain her lab and research. After more than 15 years, Dr. Lidstrom will step down from her position on Aug. 31, 2021, with plans to return full time to the faculty, concentrate on her research, and establish mentoring and diversity, equity and inclusion programs. [Read More](#)

Dr. Barbara Jung to Become President of American Gastroenterological Association

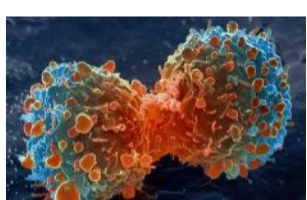
UW



Dr. Barbara Jung (pictured), Chair of the Department of Medicine, joins the presidential line up for the American Gastroenterological Association. She will serve as Vice President, President-Elect and will become President in 2023. She will be the 4th woman holding this office. Jung is a practicing gastroenterologist with a laboratory and clinical focus on colon cancer. [Read More](#)

Seattle Cancer Care Alliance Selected as an Authorized Treatment Center for BreyanziTM/Liso-Cel CAR T-Cell Treatment

Seattle Cancer Care Alliance



Seattle Cancer Care Alliance, the only National Comprehensive Cancer Network-designated cancer center in Washington State, has been selected as an authorized treatment center for the new chimeric antigen receptor (CAR) T-cell therapy isocitabine maraleucel, also known as liso-cel and by the brand name BreyanziTM. Liso-cel was approved by the FDA on February 5, 2021. [Read More](#)

Adaptive Biotechnologies Expands Collaboration with Labcorp to Increase Access to Growing Research and Clinical Diagnostic Portfolio

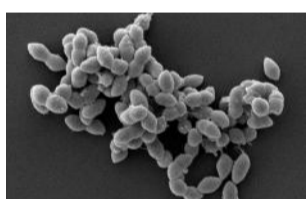
Adaptive Biotechnologies



Adaptive Biotechnologies announced an expansion of its collaboration with Labcorp to enable broader access to Adaptive's growing portfolio of immune-driven clinical diagnostic and research products. The expanded collaboration includes a commercial agreement for Adaptive's clonoSEQ[®] and immunoSEQ[®] assays and a lab services agreement for Adaptive's recently launched T-Detect COVIDTM test. [Read More](#)

New Bacterium Named in Honor of Fred Hutch

Fred Hutch



Researchers at Fred Hutch and the UW, with colleagues in Pittsburgh and Boston, named the bacterium *Megasphaera hutchinsoni* in honor of the place where researchers first isolated it and in recognition of the Hutch's longstanding expertise in HIV research. The bacterium can be found in some women with bacterial vaginosis and it is known to boost the risk of contracting HIV. [Read More](#)

BBI Faculty Conversations: Dr. Gavin Ha

Brotman Baty



Brotman Baty Institute (BBI) member, Dr. Garry Ha (pictured), discusses his work and the field of precision medicine. He is Assistant Professor in the Computational Biology Program in the Public Health Sciences and Human Biology Divisions at Fred Hutch. The group applies novel computational probabilistic approaches to help tease out trace amounts of cell-free DNA signal. [Read More](#)

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Upcoming Events in Seattle

- March 2 5:00 PM **Webinar Series: The Microbiome and Different Diets** Online
- March 4 9:00 AM **2021 Plain Research Symposium** Online
- March 4 5:00 PM **Climate Policy and the Science That Supports It** Online
- March 9 3:00 PM **Screening of "Picture a Scientist"** Online
- March 30 8:00 AM **Life Science Innovation Northwest** Online

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Science Jobs in Seattle

- Research Technician I-II, Cell Biology**
Fred Hutch
- Postdoctoral Research Associate, Autoimmune Disease**
Benaroya Research Institute at Virginia Mason
- Research Technician, Genomics**
Phase Genomics
- Research Scientist, Tuberculosis**
Seattle Children's
- Clinical Lab Quality Assurance Analyst**
Adaptive Biotechnologies

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