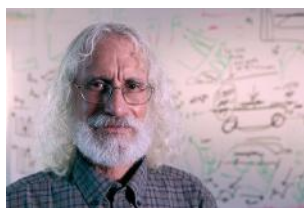


Publications of the Week
Classification of Electrophysiological and Morphological Neuron Types in the Mouse Visual Cortex

 First Author: Nathan Gouwens | Senior Author: Christof Koch *(pictured)*
 Nature Neuroscience | Allen Institute for Brain Science


To systematically profile morpho-electric properties of mammalian neurons, the authors established a single-cell characterization pipeline using standardized patch-clamp recordings in brain slices and biocytin-based neuronal reconstructions. They built a publicly accessible online database, the Allen Cell Types Database, to display these datasets. [Abstract](#)

T Cell Receptor Gene Therapy Targeting WT1 Prevents Acute Myeloid Leukemia Relapse Post-Transplant

 First Author: Aude Chapuis | Senior Author: Philip Greenberg
 Nature Medicine | Fred Hutch and UW


The authors isolated a high-affinity Wilms' Tumor Antigen 1-specific TCR (TCRC₄) from HLA-A2* normal donor repertoires, inserted TCRC₄ into Epstein-Barr virus-specific donor CD8⁺ T cells to minimize graft-versus-host disease risk and enhance transferred T cell survival, and infused these cells prophylactically post-hematopoietic cell transplantation into twelve patients. [Abstract](#)

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Awards
President Donald J. Trump Announces Recipients of the Presidential Early Career Award for Scientists and Engineers

The White House



Eight individuals from Washington State, including Dr. Elizabeth Nance *(pictured)*, have received the Presidential Early Career Award for Scientists and Engineers, which is the highest honor bestowed by the United States Government to outstanding scientists and engineers who are beginning their independent research careers and who show exceptional promise for leadership in science and technology. [Read More](#)

Dr. Meghan Koch Named 2019 Rita Allen Foundation Scholar

Fred Hutch



Dr. Meghan Koch *(pictured)*, an immunologist at Fred Hutch, has been named a 2019 Rita Allen Foundation Scholar. She studies how interactions between mother and infant influence infant growth and development. The Scholars, all early-career biomedical scientists, are selected based on their creative, promising approaches to investigating crucial problems that raise the potential for significant breakthroughs in their fields of study. [Read More](#)

Alzheimer's Disease Research Center Awards for Ambitious New Ideas

UW Medicine



UW Assistant Professors Douglas Barthold *(pictured)*, Erik Carlson, and Judit Marsillach have received funding from the Alzheimer's Disease Research Center (ADRC) to conduct pilot projects. These one-year projects encourage investigators to use ADRC resources to advance the understanding, diagnosis, or treatment of Alzheimer's disease. [Read More](#)

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Local News
Treatment Target Pinpointed for Liver Cancer in Young Adults

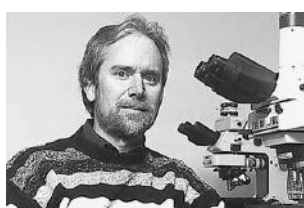
UW Medicine



New research led by John Scott *(pictured)* has shown how a genetically aberrant, fused protein promotes a rare form of liver cancer in adolescents and young adults. The researchers also saw that a certain mix of drugs could target the fused protein and the enzymes that it recruits. In the lab, this drug combination slowed down the uncontrolled growth of cells carrying the liver cancer mutation. [Read More](#)

The Science of Serendipity

Institute for Stem Cell & Regenerative Medicine



Wandering has always been a way of life for Dr. Randall Moon *(pictured)*, who helped found the Institute for Stem Cell and Regenerative Medicine. On a journey from one point to another, it was the instinct to look all around him that would change the course of his life – and of science itself. Serendipity had rewarded his natural curiosity, as it would many more times in the future. [Read More](#)

Shares of Adaptive Biotechnologies Double in Hot IPO

The Seattle Times



Adaptive Biotechnologies' first day as a public company was one for the record books. Their IPO raised \$300 million before expenses, which qualifies Adaptive for another distinction: its IPO is the second largest for a biotech firm in 2019. The impressive price "pop" reflects investors' enthusiasm for the core technology, which maps the genetics of the immune system, but also for the company's disciplined business model. [Read More](#)

Dr. Shadman on Challenges with CAR T-Cell Therapy

OncLive



In this interview with OncLive TV, Dr. Mazyar Shadman *(pictured)*, who holds positions at Fred Hutch, UW, and the Seattle Cancer Care Alliance, discusses challenges with CAR T-cell therapy. As with any other therapy, safety is always a priority, says Shadman; it does not matter if the therapy is effective if it is not safe. However, progress has been made in ensuring that the CAR T-cell products that are brought to market have manageable toxicities. [Read More](#)

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Interesting Articles
The Side of Paul Allen I Wish More People Knew About

The Gates Notes



"Paul Allen was one of the most intellectually curious people I've ever known. Ever since we were kids, he seemed to be interested in just about everything," said Bill Gates. Gates recently had the opportunity to talk about Paul Allen at the Forbes Philanthropy Summit in New York, where he was posthumously honored with the Lifetime Achievement Award for Philanthropy. [Read More](#)

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Upcoming Events in Seattle


July 10 7:00 PM	An N of 1: Navigating Lung Cancer as a Patient and a Scientist Foegen Auditorium
July 17 7:00 PM	Ensuring an Equal Genetic Inheritance: A Tale of Yeast, Lasers, and the Effort to Rebuild One of Nature's Most Complex Molecular Machines Foegen Auditorium
July 18 11:30 AM	2019 Hutch Award Luncheon T-Mobile Park
July 24 7:00 PM	Understanding the Genetics of Epilepsy Foegen Auditorium
July 25 8:00 AM	Exploring Frontiers: Predicting Biology Allen Institute

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Allen Institute for Immunology
- Vice President, Cellular Assays & Process Development**
Adaptive Biotechnologies
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Fred Hutchinson Cancer Research Center
- Research Scientist, Immunology and Inflammation**
Gilead
- Scientist, Protein Engineering**
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