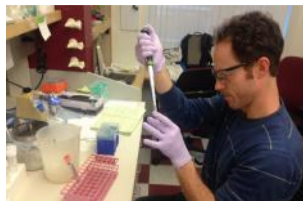


Publications of the Week

Allosteric Conformational Change of a Cyclic Nucleotide-Gated Ion Channel Revealed by DEER Spectroscopy

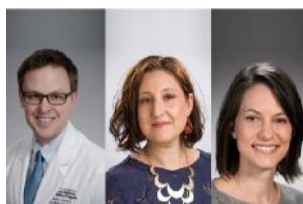
 First Author: Eric Evans (*pictured*) | Senior Author: Stefan Stoll
 PNAS | UW


Cyclic nucleotide-gated (CNG) and hyperpolarization-activated cyclic nucleotide-gated ion channels generate the primary electrical signals underlying mammalian phototransduction, olfaction, and cardiac pacemaking. Using double electron-resonance (DEER) spectroscopy, the authors reveal an allosteric conformational transition in the bacterial CNG channel SthK upon cAMP binding that involves outward movement of the C-linker domain in relation to the pore axis.

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Awards

2020 Chair of Medicine Scholars Awards

UW Medicine



The Chair of Medicine Scholars Awards, initiated in 2013, are awarded annually to meritorious University of Washington Department of Medicine trainees to foster their transition to the roles of Physician-Scientist and Principal Investigator. This year's recipients include Dr. Michael Linaeus (*left*), Dr. Rachel Bender Ignacio (*center*), and Dr. Catherine Butler (*right*). [Read More](#)

Fred Hutch Announces Nine Recipients of the Dr. Eddie Méndez Award

Fred Hutch



Fred Hutch has announced nine recipients of an award honoring the late Dr. Eddie Méndez, a Physician-Scientist and cherished colleague at Fred Hutch. The annual honor recognizes postdoctoral cancer biology researchers from underrepresented minority groups. Recipients include Dr. Jami Erickson (*pictured*), a postdoctoral research fellow in Dr. Martin Prlc's lab at Fred Hutch. [Read More](#)

UWMDI Co-Director Michael Schwartz, MD, Awarded Novo Nordisk Research Agreement

UW Medicine Diabetes Institute (UWMDI)



Dr. Michael Schwartz (*pictured*) has received a \$1M research grant with Novo Nordisk. This two-year project seeks to identify neurons in the brain that detect and respond to changes in circulating glucose levels and determine their roles in glucose homeostasis. Dr. Schwartz is the RH Williams Endowed Chair in Medicine and a Professor in the Division of Metabolism, Endocrinology and Nutrition at UW. [Read More](#)

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Local News

Immune Response in Colorectal Cancer: What Helps, What Hurts?

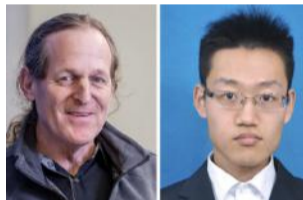
Fred Hutch



A new grant from the National Cancer Institute will help researchers with the Genetics and Epidemiology of Colorectal Cancer Consortium, or GECCO, better understand the body's natural immune response to colorectal cancer and what, exactly, drives it. Dr. Amanda Phipps (*right*), an epidemiologist with Fred Hutch and UW will co-lead the project with Hutch molecular and genetic epidemiologist Dr. Ulrike "Riki" Peters (*left*). [Read More](#)

For Cancer Cells, There Is More Than One Path to Drug Resistance

Institute for Systems Biology



Recently, researchers have realized that cancer cells can become resistant without the need to gain new mutations, and such non-genetic mechanisms of resistance are occurring much faster — sometimes just a few days after drug treatment. Drs. Jim Heath (*left*) and Yapeng Su (*right*) have been trying to understand the biological mechanisms that change cancerous cells from drug-sensitive to drug-tolerant without a change in the genome. [Read More](#)

A New High-Resolution, 3D Map of the Whole Mouse Brain

Allen Institute for Brain Science



After three years of intensive data-gathering and careful drawing, the mapmakers' work was complete. The complex terrain they charted, with all its peaks, valleys and borders, is only about half an inch long and weighs less than a jellybean: the brain of the laboratory mouse. The Allen Institute mapmakers describe this cartographical feat — the third iteration of the Allen Mouse Brain Common Coordinate Framework, a complete, high-resolution 3D atlas of the mouse brain. [Read More](#)

CTI Biopharma Announces Initiation of Phase 3 PRE-VENT Study Evaluating Pacritinib in Hospitalized Patients with Severe COVID-19

CTI Biopharma Corp.



CTI Biopharma Corp. has announced the initiation of PRE-VENT, a Phase 3 study evaluating pacritinib in hospitalized patients with severe COVID-19. PRE-VENT, a randomized, double-blind, placebo-controlled multicenter study, will compare pacritinib plus standard of care versus placebo plus standard of care in 358 hospitalized patients with severe COVID-19, including patients with and without cancer. [Read More](#)

Fred Hutch and the Seattle Cancer Care Alliance Awarded Bank of America Grant for COVID-19 Relief Efforts

Fred Hutch



Fred Hutch and its clinical-care partner, Seattle Cancer Care Alliance, have announced that the organizations are receiving a \$500,000 grant from Bank of America for COVID-19 relief. A portion of the funds will support critical parts of Fred Hutch's COVID-19 response by accelerating efforts for the development and evaluation of rapid testing and point-of-care tests, to help get both the Fred Hutch and greater Seattle community back to work safely. [Read More](#)

Why Bacteria's Resistance to Antibiotics Is a Problem in a Viral Pandemic

KUOW



Each year, antibiotic-resistant bacteria kill more than 35,000 people in the US. And some scientists are concerned about how the current pandemic might affect such bacteria. That's because hospitalized patients with coronavirus will often be given antibiotics to fight any secondary bacterial infection, not to fight the virus itself. Dr. Benjamin Kerr, a Professor of Biology at UW, spoke to KUOW about antibiotics and the pandemic. [Read More](#)

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Upcoming Events in Seattle

- | | |
|----------------------|---|
| May 19
8:00 AM | The Socially Distant Centromere
Online |
| May 19
7:00 PM | Science in the City: Science Communication
Online |
| May 29
9:00 AM | Immuno-Oncology: BD&L and Investment Forum
Online |
| May 29
10:30 AM | Engineering Virtual Curiosity Expo
Online |
| June 8-12
8:00 AM | BIO Digital International Convention
Online |

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Science Jobs in Seattle

- Scientist II, Anatomist**
Allen Institute for Brain Science
- Biostatistician I-II**
Benaroya Research Institute at Virginia Mason
- Postdoctoral Fellow**
Seattle Children's
- Sr./Medical Director, Clinical Development**
Chinook Therapeutics
- Manager, Quality Control**
Celgene

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