

Publications of the Week
Mechanisms of Endogenous HIV-1 Reactivation by Endocervical Epithelial Cells

 First Author: Germán Gomalusse | Senior Author: Florian Hladik *(pictured)*
 Journal of Virology | UW and Fred Hutch


HIV-1 reactivation can occur naturally, as evidenced by occasional low-level viremia during antiretroviral treatment. The authors studied HIV-1 reactivation in the female genital tract, a dynamic anatomical target for HIV-1 infection throughout all disease stages. They have found that primary endocervical epithelial cells from several women reactivated HIV-1 from latently infected T cells. [Profile](#) | [Abstract](#)

Connect-Seq to Superimpose Molecular on Anatomical Neural Circuit Maps

 First Author: Naresh Hanchate | Senior Author: Linda Buck *(pictured)*
 PNAS | Fred Hutch, the Brotman Baty Institute for Precision Medicine, and UW


Single-cell transcriptomics has emerged as a powerful means to define the molecular heterogeneity of brain neurons. However, which of the neurons with known transcriptomes interact with each other in specific neural circuits is largely unknown. The authors have devised a strategy, termed "Connect-seq," which combines retrograde viral tracing and single-cell transcriptomics, to determine the molecular identities of individual upstream neurons in a defined circuit. [Abstract](#)

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Awards
Dr. Jennifer Adair Receives Fleischauer Family Endowed Chair in Gene Therapy Translation

Fred Hutch



Dr. Jennifer Adair *(pictured)* is the inaugural recipient of the Fleischauer Family Endowed Chair in Gene Therapy Translation at Fred Hutch. The new endowed chair will help advance Adair's research, which focuses on developing safe, cost-effective gene therapies that can be delivered worldwide. Adair has spent years researching ways to help gene therapy go global. [Read More](#)

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Coronavirus Outbreak Puts 'Open Science' Under a Microscope

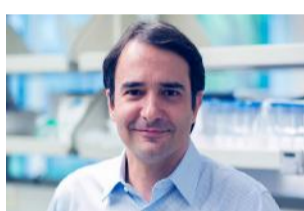
Fred Hutch



The COVID-19 outbreak that began in Wuhan, China, has become an important test case for the risks and benefits of open science — a movement long-simmering within the global research community. By calling for rapid, free and public posting of scientific findings, it amounts to a rebellion against the old ways of conducting and reporting research. [Read More](#)

A Breast Tumor Might Have Thousands of Mutations. Which Are Important?

Fred Hutch



By the time a tumor is detected, it's riddled with mutations — but which are driving its development and progression, and which are merely along for the ride? That's the question that Drs. Slobodan Beronja *(pictured)* and Zhe Ying from Fred Hutch can now answer, thanks to their new method to screen breast cancer-associated mutations for their functional consequences. [Read More](#)

The Present and Future of Science Intersect in Seattle

Fred Hutch



Against the backdrop of a global health threat from the coronavirus and a political climate in which science competes with rampant misinformation, thousands of educators, policymakers, journalists and others gathered in Seattle to share insights and connect at the American Association for the Advancement of Science annual meeting. [Read More](#)

Spinning Science: Overhyped Headlines, Snarled Statistics Lead Readers Astray

Fred Hutch



Reading science headlines may cause cancer. Not really. But reading headlines alone — particularly misleading or mendacious ones that distort scientific findings — can cause real harm. How can the public tell whether good science has fallen victim to an overblown headline or questionable science has gone viral due to clickbait-y coverage? [Read More](#)

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Interesting Articles
Trump Proposes Significant Cuts to NIH for 2021 Budget

The Scientist



In the 2021 budget request sent to Congress, President Donald Trump has requested that the National Institutes of Health's (NIH) budget drop from more than \$41 billion this year to \$38.7 billion, a 7 percent cut, and that the National Science Foundation's budget drop by 6 percent to around \$6.3 billion. In previous years, Congress has rejected such reductions. [Read More](#)

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Upcoming Events in Seattle

- February 27 10:00 AM **Cambria Grove Open House**
Cambria Grove
- February 27 10:00 AM **Ensuring Supply Chain Flexibility and Viability for Biologics**
Crowne Plaza Seattle Downtown
- March 3 7:00 PM **The Story Collider**
The Royal Room
- March 3-5 8:00 AM **Hindsight 2020 – The Allen Institute Developmental Recording Symposium**
Allen Institute
- March 5 7:30 PM **Dr. David Eagleman: Can We Create New Senses For Humans?**
The Great Hall

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Science Jobs in Seattle

- Scientist/Senior Scientist/Principal Scientist, Antibody Discovery**
SystImmune
- Scientist, Gene Editing Assay Development**
Bristol-Myers Squibb
- Scientist I, Molecular Genetics, Genetic Tool Development**
Allen Institute for Brain Science
- Post-Doctoral Research Fellow, Tumor Microenvironment**
Fred Hutchinson Cancer Research Center
- Field Application Scientist, Cell Therapy**
Thermo Fisher Scientific

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