

Publications of the Week

**Enhancer Viruses for Combinatorial Cell-Subclass-Specific Labeling**

First Author: Lucas Graybuck and Tanya Daigle (pictured) | Senior Author: Bosiljka Tasic  
Neuron | Allen Institute for Brain Science and UW



Rapid cell type identification by new genomic single-cell analysis methods has not been met with efficient experimental access to these cell types. To facilitate access to specific neural populations in mouse cortex, the authors collected chromatin accessibility data from individual cells and identified enhancers specific for cell subclasses and types. [Profile](#) | [Abstract](#) | [Press Release](#)

**Tissue Context Determines the Penetrance of Regulatory DNA Variation**

First Author: Jessica Halow | Senior Author: Matthew Maurano (pictured)  
Nature Communications | Albus Institute for Biomedical Sciences, Fred Hutch, and UW



Allelic profiling of DNA accessibility across individuals has shown that only a select minority of sequence variation affects transcription factor occupancy, yet low sequence diversity in human populations means that no experimental assessment is available for the majority of disease-associated variants. The authors describe high-resolution *in vivo* maps of allelic DNA accessibility in liver, kidney, lung and B cells from five increasingly diverged strains of F1 hybrid mice. [Abstract](#)

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Awards

**Fred Hutch Announces 12 Recipients of Dr. Eddie Méndez Award**

Fred Hutch



Fred Hutch has announced 12 recipients of the 2021 Dr. Eddie Méndez award, honoring a physician-scientist and cherished colleague at Fred Hutch. The recipients are postdoctoral researchers from across the US with research expertise in cancer, infectious disease and basic sciences. Now in its third year, the award has recognized a total of 28 recipients, including the 2021 cohort. [Read More](#)

**Dr. Larry Corey Receives Public Service Award from American Society of Gene & Cell Therapy**

Fred Hutch



Dr. Larry Corey (pictured) of Fred Hutch is one of two winners of the American Society of Gene & Cell Therapy's Sonia Skarlatos Public Service Award. The award, named after a gene therapy advocate, recognizes a person or group that has consistently fostered and enhanced the field of gene and cell therapy. Dr. Corey is an internationally renowned expert in virology, viral immunology and vaccine development. [Read More](#)

**2021 Fialkow Scholars Award Goes to Dr. Joshua Hill**

UW Newsroom



Congratulations to Dr. Joshua Hill (pictured), Assistant Professor of Allergy and Infectious Diseases, who is the 2021 recipient of the Fialkow Scholar Award. The Fialkow Scholar Award is awarded annually to recognize the outstanding achievements of junior faculty in medicine in research, teaching, clinical work, and academic citizenship. [Read More](#)

**Drs. Andrea Wills and Daniel Yang Receive Tietze Research Awards**

Institute for Stem Cell & Regenerative Medicine (ISCRM)



Two ISCRM faculty members, Dr. Andrea Wills (pictured) and Dr. Daniel Yang have received prestigious awards from the John H. Tietze Foundation Trust that will help fuel promising research underway in their labs. The John H. Tietze Stem Cell Scientist Award will support Dr. Wills' effort to discover the molecular and cellular mechanisms that underlie seamless muscle regeneration in frog structures. [Read More](#)

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Local News

**B Cell Kinetics during HSV-2 Infection**

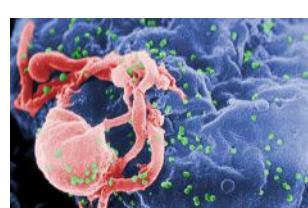
Fred Hutch



The mechanisms behind the variability in viral control are understood, but it is appreciated that tissue-resident T cells at the site of infection are indispensable for local herpes simplex virus 2 (HSV-2) control. Drs. Emily Ford (pictured) and Anton Sholukh, along with colleagues from UW, sought to understand the role of local (or tissue-based) humoral immune responses in HSV-2 reactivation and viral control. [Read More](#)

**HDT Bio Awarded \$2.9M NIH Grant to Develop RNA Vaccine for HIV-1**

HDT Bio



HDT Bio, a developer of immunotherapies for oncology and infectious diseases, announced the National Institute of Allergy and Infectious Diseases of the US National Institutes of Health (NIH) has awarded the company a three-year, \$2.9 million grant to develop a human immunodeficiency virus (HIV)-1 RNA vaccine with its proprietary Lipid InOrganic Nanoparticle delivery system. [Read More](#)

**The Gut Factor: Associations between the Microbiome and Ace2 Expression**

Fred Hutch



Gastrointestinal symptoms are associated with worse COVID-19 outcomes, and live SARS-CoV-2 virus can be recovered from fecal samples, indicating that the gastrointestinal tract may serve as a viral reservoir in this disease. Indeed, Ace2, encoding the surface protein to which the SARS-CoV-2 spike protein binds during the infection of host cells, is expressed within the gut. [Read More](#)

**NanoString's GeoMx Mouse Whole Transcriptome Atlas Expands Leadership in Spatial Genomics**

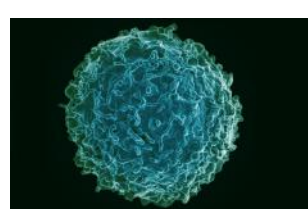
NanoString Technologies



NanoString Technologies has announced the commercial availability of the Mouse Whole Transcriptome Atlas for spatial analysis research using the GeoMx<sup>®</sup> Digital Spatial Profiler (DSP). This launch extends the GeoMx RNA portfolio, which combines the power of spatial biology and Next Generation Sequencing, to enable full transcriptome spatial RNA and high-plex protein analysis on the GeoMx DSP. [Read More](#)

**Seattle Cancer Care Alliance Is an Authorized Treatment Center for Ide-Cel CAR T-Cell Therapy**

Business Wire



Seattle Cancer Care Alliance, the only National Comprehensive Cancer Network designated cancer center in Washington State, has announced that it is an authorized treatment center for the new B-cell maturation antigen targeted chimeric antigen receptor (CAR) T-cell therapy, idecabtagene vicleucel, also known as ide-cel. [Read More](#)

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Interesting Articles

**Bills to Give NSF Massive Spending Boost Advance in Senate and House, but Hurdles Remain**

Science



Two key congressional committees endorsed the idea of a sizable spending increase for the US National Science Foundation (NSF). Separate pieces of legislation would more than double NSF's budget over five years as part of a broader push to outinnovate China and the rest of the world through a massive federal investment in research. [Read More](#)

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**Upcoming Events in Seattle**

- May 24 8:00 AM **Running from Gluten Virtual 5k** Online
- May 25 12:00 PM **Hutch Leadership Forum** Online
- May 27 5:00 PM **GU Oncology Seminar Series** Online
- June 1 12:00 PM **Seminar: Dr. Mary Mullins** Online
- June 1 5:00 PM **Webinar Series: The Microbiome and Antibiotics** Online

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**Science Jobs in Seattle**

- Postdoctoral Research Associate**  
Benaroya Research Institute at Virginia Mason
- Lab Assistant II**  
Roche
- Staff Scientist, Vaccine Development**  
Fred Hutch
- Research Technician II, Immunology**  
Allen Institute for Immunology
- Associate Director, Oncology Clinical Operations**  
Gilead

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