

Publications of the Week
Protective Antibodies against Human Parainfluenza Virus Type 3 Infection

 First Author: Jim Boonyaratanakomkit (*pictured*) | Senior Author: Justin Taylor mABs | Fred Hutch and UW


In an effort to discover a protective antibody against human parainfluenza virus type III (HPIV3), the authors screened the B cell repertoires from peripheral blood, tonsils, and spleen from healthy children and adults. These analyses yielded five monoclonal antibodies that potently neutralized HPIV3 *in vitro*.

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Local News
BBI's Drs. Jay Shendure and Helen Chu Brief Washington Governor Jay Inslee on Progress on COVID-19

Brotman Baty Institute (BBI)



BBI's Scientific Director Dr. Jay Shendure and Principal Investigator Dr. Helen Chu (*pictured*) briefed Washington Governor Jay Inslee on the institute's work regarding the Seattle Flu Study, progress on studying COVID-19 transmission and variants, and other issues. Inslee said that, as governor, he felt fortunate to have UW Medicine's resources in helping address COVID-19. [Read More](#)

Shape Therapeutics Welcomes Patrick Bigot as Its Chief Business Officer

BioSpace



Shape Therapeutics, a biotechnology company developing breakthrough technologies to enable gene therapy for all, announced the appointment of Patrick Bigot as Chief Business Officer. Mr. Bigot brings to Shape Therapeutics over 20 years of corporate and business development experience in the life sciences industry. He has spent more than a decade at Genentech in leadership positions. [Read More](#)

Majority of COVID-19 Tests at UW Medicine Are Variants of the Virus

Komo News



UW Medicine's Chief Medical Officer Dr. Tim Dellit (*pictured*) says the coronavirus variants can't be taken lightly. What's concerning is that more recently now, 70% of the COVID-19 tests that are taken to the UW Virology Lab for genome sequencing are coming back as a variant of the virus. It's showing that these variants are spreading faster and are now the predominant strains of COVID-19 in the state. [Read More](#)

Seattle Home to New Trial to Test Updated Moderna Vaccine

Komo News



Seattle is one of four cities taking part in a new Phase One clinical trial for an updated coronavirus vaccine. The brand-new trial will test a Moderna vaccine that's been slightly altered to better protect against the coronavirus variant first found in South Africa. The trial is taking place at Kaiser Permanente Washington Health Research Institute. [Read More](#)

BBI 'Catalytic Collaboration Grant' funded in 2019 Leads to Promising Genetic Diagnoses of Rare Diseases

Brotman Baty Institute (BBI)



With \$150,000 in funding from a "Catalytic Collaboration Grant" awarded in 2019 by UW Medicine's BBI, Dr. Evan Eichler (*pictured*) and his colleagues performed targeted long-read sequencing on 33 individuals, analyzing the DNA of patients who had complex genetic changes or lacked a complete genetic diagnosis. The results were impressive. [Read More](#)

Defective Freeloader Genomes Unmasked in DNA Virus Infections

UW Medicine



Defective freeloader viral genomes have been detected in infections by DNA viruses in humans for the first time, Dr. Alex Greninger (*pictured*) and researchers at UW Medicine report. The discovery suggests that defective viral genomes may play a role in far greater range of viral infections than previously recognized. The viral genomes have mutations that make it impossible for them to make all the proteins they need to replicate. [Read More](#)

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Upcoming Events in Seattle

April 27
3:00 PM **Research Funding through NIH Diversity Supplements**
Online

April 27
4:00 PM **Breaking the Sound Barrier: Equity and Language Inclusion in Research**
Online

April 29
5:00 PM **GU Oncology Seminar Series**
Online

May 4
10:30 AM **Implicit Bias in Health Care and Research**
Online

May 4
5:00 PM **Webinar Series: The Microbiome and COVID19**
Online

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Science Jobs in Seattle

Research Technician III, Olson Lab
Fred Hutch

Clinical Data Associate II
Seagen

Postdoctoral Fellow
Seattle Children's

Research Technician II
Benaroya Research Institute at Virginia Mason

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