



⊌ f in

Events Jobs Subscribe Contact Us

Volume 5.25: July 5, 2022

Publications of the Week

Shifting Mutational Constraints in the SARS-CoV-2 Receptor-Binding Domain During Viral Evolution

First Author: Tyler Starr (pictured) | Senior Author: Jesse Bloom Science | Fred Hutch, UW, and Howard Hughes Medical Institute



SARS-CoV-2 has evolved variants with substitutions in the spike receptor-binding domain (RBD) that impact its affinity for ACE2 receptor and recognition by antibodies. These substitutions could also shape future evolution by modulating the effects of mutations at other sites. The authors performed deep mutational scans to measure the effects on ACE2 binding of all single amino-acid mutations in the Wuhan-Hu-1, Alpha, Beta, Delta, and Eta variant RBDs. Abstract

Guselkumab Provides Sustained Domain-Specific and Comprehensive Efficacy Using Composite Indices in Patients with Active Psoriatic Arthritis

First Author: Laura Coates | Senior Author: Philip Mease (pictured) Rheumatology | Swedish Medical Center/Providence St. Joseph Health and UW



The authors evaluate the efficacy of guselkumab for the treatment of active psoriatic arthritis (PsA) utilizing composite indices. They found that treatment with guselkumab provided robust and sustained benefits across multiple PsA domains through one year, indicating that guselkumab is an effective therapy for the diverse manifestations of PsA. Abstract

View All Publications 🔵

Awards

BWF Announces The 2022 Career Awards for Medical Scientists



Burroughs Wellcome Fund

The Burroughs Wellcome Fund's Board of Directors announced the 2022 award recipients for the Career Awards for Medical Scientist program. Among the awardees is Dr. Jay Sarthy (pictured) at Fred Hutch. The Career Awards for Medical Scientists provides \$700,000 awards over five years for physicianscientists, who are committed to an academic career, to bridge advanced postdoctoral/fellowship training and the early years of faculty service. Read More

Yazdan Awarded AHA Funding for Innovative Stroke Treatment UW Department of Bioengineering



With a promising approach to drive brain repair and recovery following a stroke, UW neuroengineer Dr. Azadeh Yazdan (pictured) has earned the American Heart Association (AHA) Career Development Award. Dr. Yazdan's neural engineering technologies and new brain stimulation-based therapies have the potential to help restore function and movement in people who have had a stroke – something that happens every 40 seconds in the United States. Read More

View All Awards 😜

Local News

Construction Begins at New 197K Square-Foot Life Sciences Building in **Seattle Near Space Needle**

GeekWire



Ground recently broke at a new 197,000 square foot life sciences building under construction in Seattle at the foot of the Space Needle, slated for completion in early 2024. The space will help ease the high demand for lab space in a sector that has expanded rapidly over the last few years. Twenty-five life sciences companies in Seattle are looking for a home and lab vacancy rates are at 6.6%, according to real estate firm Coldwell Banker Richard Ellis. Read More

Washington Research Foundation Donates \$1.65 Million to Support UW and **WSU Graduate Students**

UW Graduate School



Vascular dysfunction. Ice melt in Antarctica. Chronic liver disease. UW graduate students are finding solutions to these problems — and many more — with the support of Washington Research Foundation. And thanks to the foundation's most recent gift, emerging scientists at the UW and Washington State University (WSU) will be supported for years to come. Read More

BBI Faculty Conversations: Dr. Manu Setty

Brotman Baty Institute (BBI)



BBI was recently joined by Member Dr. Manu Setty (pictured), Assistant Professor in the Herbold Computational Biology Program at Fred Hutch. They discuss how he became interested in his area of computational biology research, some examples of his recent work in single cell, his BBI Catalytic Collaborations grants, and where he sees his work heading long term. Read More

'I Wouldn't Be an Engineer Without It': UW Program Supports Underserved **STEM Students**

GeekWire



A UW program to support STEM students from low-income and underserved backgrounds is now nine years old. The Washington State Academic RedShirt program (STARS) takes a cue from college sports, where "redshirting" enables an extra year of eligibility for athletes. Students sign up for an extra year at UW, strengthening their skills before diving into core math and science classes. The program also goes beyond academic support, said Executive Director Sonya Cunningham (pictured). Read More

Kubota Vision Announced End of Phase III Clinical Trial of Emixustat in Patients with Stargardt Disease

BioSpace



Kubota Vision announced the completion of the Phase III clinical trial investigating emixustat hydrochloride in patients with macular atrophy secondary to Stargardt disease. The study was a multi-center, randomized, double-masked, and placebocontrolled Phase III clinical study in which subjects were randomly assigned to emixustat 10 mg or placebo once daily for 24 months. Read More

Q&A: Highlights of the 2022 Mutual Scanning Symposium from the Meeting **Organizer and Keynote Speakers**

Brotman Baty Institute



The fifth annual Mutational Scanning Symposium was held June 13, 14, and 16 in Toronto and online. Organizer Dr. Fritz Roth and keynote speakers Drs. Clare Turnbull and Doug Fowler (pictured) offer their observations and insights of the event and suggestions for the 2023 symposium to be held in the U.K. "I had many excellent conversations with younger scientists. Engagement in the virtual content was also really fantastic," said Dr. Fowler. Read More

View All Articles 👂 | Submit an Article 😜

Upcoming Events in Seattle

Odessa Brown Children's Clinic Community Open House July 9 12:00 PM 3939 S. Othello Street

Research Roundtable with Dr. Sean Gibbons July 12 4:00 PM

Jacob Green Charity Golf Classic

BIG HART Seminar: IHART Panel July 12 4:00 PM Online

Orin Smith Auditorium

9:00 AM The Golf Club at Newcastle **ISCRM Fellows Mini-Symposium 2022** July 14

View All Events 👂 | Submit an Event 😜

Science Jobs in Seattle

July 14

11:00 AM

Biomedical Research Manager Benaroya Research Institute at Virginia Mason

Research Technician II Seattle Children's

Research Associate III, Experimental Immunology Allen Institute

Postdoctoral Research Fellow, Tumor Dormancy & Metabolism

Associate Scientist, Cellular Phenotype, Cell Therapy Bristol Myers Squibb

View 90 Other Science Jobs 👂 | Submit a Job 😜



Submit your articles and events by reaching out to us at info@scienceinseattle.com.

BROUGHT TO YOU BY STEMCELL™



The Stem Cell Podcast Interviews and Updates

on Stem Cell Science

STEMCELL Technologies Products | Services

Free Weekly Updates on Your Field