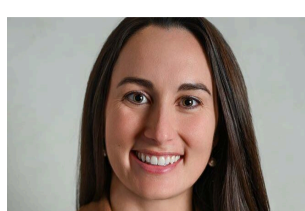




Publications of the Week

Host Cell Glycosylation Selects for Infection with CCR5- Versus CXCR4-Tropic HIV-1

First Author: Hannah Itell (*pictured*) | Senior Author: Julie Overbaugh
Nature Microbiology | Fred Hutch and UW



Human immunodeficiency virus type 1 (HIV-1) infection involves a selection bottleneck that leads to transmission of one or a few variants. These data support a role for a host protein that influences glycan structure in regulating HIV-1 infection. Host cell glycosylation may, therefore, affect HIV-1 selection during transmission *in vivo*. [Abstract](#) | [Press Release](#)

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Awards

ITHS Faculty Member Lynn Rose Wins Award for Excellence

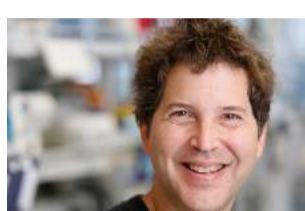
Institute of Translational Health Sciences (ITHS)



ITHS faculty member Dr. Lynn Rose (*pictured, right*) has been honored with the 2024 Martha Feldman Award by the Organization of Regulatory and Clinical Associates. The award honors a Washington individual who has contributed to the field of regulatory affairs and clinical trials, supported colleagues, and advanced the understanding of regulatory affairs and clinical trials. [Read More](#)

UW's David Baker Wins Nobel Prize for Designing Proteins

GeekWire



University of Washington biochemist Dr. David Baker (*pictured*) has won a share of this year's Nobel Prize in chemistry for more than two decades of discoveries about the molecular structure of proteins — discoveries that have led to new medical therapies, new materials, and new startups. Dr. Baker shares the prize with Sir Demis Hassabis and Dr. John Jumper of Google DeepMind, who have also pioneered computational techniques for predicting protein structure. [Read More](#)

[View All Awards](#)

Local News

Promising Young Scientist: From Malaria Vaccines to Sea-Hub, Dr. Jason Netland is 'Fearless About Trying New Things'

Brotman Baty Institute



In Dr. Marion Pepper's (*pictured, right*) lab, Dr. Jason Netland (*left*) was tasked with examining how B-cells respond to a malaria vaccine, especially on people not typically exposed to malaria, as opposed to populations where the mosquito-borne virus is endemic. Dr. Netland has been working with colleagues at the Seattle-based non-profit PATH, as well as a major pharmaceutical firm. He is currently in the throes of summarizing the research for his colleagues' review. [Read More](#)

Dr. Cole DeForest Named New Director of Education at UW Molecular Engineering & Sciences Institute

Molecular Engineering and Sciences Institute (MoES)



Dr. Cole DeForest (*pictured*), Weyerhaeuser Endowed Professor and Associate Chair for Graduate Studies in Chemical Engineering, has been appointed Director of Education at MoES. Dr. DeForest will lead the Molecular Engineering PhD Program, an interdisciplinary graduate program housed in the UW Graduate School and administered by MoES. [Read More](#)

Dr. Nisha Bansal New Assistant Vice Chair for Clinical Research

UW Medicine



Dr. Nisha Bansal (*pictured*), Professor of Nephrology, is the new Assistant Vice Chair for Clinical Research at UW. In this role, in conjunction with Vice Chair for Research Dr. Conrad Liles, Dr. Bansal will be responsible for providing visionary, programmatic, and operational leadership for the departmental research program, with a focus on clinical research. [Read More](#)

AI Enlisted to Design Vaccines Against Pandemic Threats

UW Medicine



UW Medicine will lead one of seven new centers in a network funded by the National Institute of Allergy and Infectious Diseases to prepare against a variety of dangerous pathogens. The center will receive \$13.6 million a year for three years. The center's principal investigator and project leader is Dr. Neil King (*pictured*), Associate Professor of Biochemistry at the UW School of Medicine. [Read More](#)

Dr. Raimon Duran-Struuck Named Chair of Department of Comparative Medicine

The Huddle



Dr. Raimon Duran-Struuck (*pictured*) will serve as the next Chair of the Department of Comparative Medicine at the UW School of Medicine. Dr. Duran-Struuck is an internationally recognized and accomplished scientist, leader, and scholar. He joins UW Medicine from the University of Pennsylvania where he was the Director of Regulatory Affairs and Co-Director of the Residency Program for Laboratory Animal Medicine. [Read More](#)

Bill Gates-Backed TerraPower Isotopes Produces Rare, Radioactive Ingredient Sought for Cancer Drugs

GeekWire



Nearly a decade ago, radio chemists at the nuclear power startup TerraPower, led by CEO Chris Levesque (*pictured*), saw a promising opportunity in radioactive waste from Cold War weapons. Now, TerraPower has announced a milestone, becoming the first commercial-scale producer of a promising and rare isotope for cancer therapies, which is extracted from weapons waste. [Read More](#)

Dr. Kurt Griffin: Exploring New Ways to Prevent Type 1 Diabetes

Benaroya Research Institute (BRI)



"Type 1 diabetes (T1D) often starts at a very young age, and it's a relentless, around-the-clock disease that requires frequent monitoring and tailoring insulin dosing throughout the day," Dr. Kurt Griffin (*pictured*) says. Dr. Griffin recently joined BRI's team and will conduct some exciting T1D research. He answered questions about his background and the studies he'll take on at BRI in a Q&A. [Read More](#)

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Upcoming Events in Seattle

- October 16 - 17 **2024 ISB Virtual Microbiome Series**
9:00 AM Online
- October 20 - 24 **Lake Conference – Comparative and Evolutionary Neurobiology**
8:00 AM The Hyatt Regency Seattle
- October 24 **Immunology to Change Lives**
5:30 PM Seattle's Sunset Club
- October 25 **Crash Course: Where Smart Meets Funny**
7:30 PM The Rendezvous
- October 30 **Seattle BioTech & Bagels Morning Meetup**
8:00 AM Online

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Science Jobs in Seattle

- Research Scientist I**
Seattle Children's
- Lab Technical Assistant**
Virginia Mason Franciscan Health
- Research Scientist/Engineer 1, Virology**
UW
- MLS I/II, Microbiology**
MultiCare
- Staff Scientist**
Fred Hutch

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