

Publications of the Week

Single-Cell, Whole-Embryo Phenotyping of Mammalian Developmental Disorders

First Authors: Xingfan Huang (*pictured*), Jana Henck, and Chengxiang Qiu | Senior Author: Malte Spielmann
Nature | UW



Mouse models are a critical tool for studying human diseases, particularly developmental disorders. However, conventional approaches for phenotyping may fail to detect subtle defects throughout the developing mouse. Here, researchers set out to establish single-cell RNA sequencing of the whole embryo as a scalable platform for the systematic phenotyping of mouse genetic models. [Abstract](#)

Inter-Alpha Inhibitor Proteins Attenuate Lipopolysaccharide-Induced Blood-Brain Barrier Disruption in Neonatal Mice

First Author: Aric Logsdon (*pictured*) | Senior Author: Barbara Stonestreet
Experimental Neurology | UW and the Geriatric Research Education and Clinical Center



Lipopolysaccharide (LPS) disrupts blood-brain barrier (BBB) function in adult rodents and increases inflammation in adults and neonates. Researchers sought to test the hypothesis that LPS-induced BBB disruption to small (sucrose) and large (albumin) molecules can be attenuated by treatment with exogenous human Inter-alpha inhibitor proteins in neonatal mice. [Abstract](#)

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Awards

Society for Neuroscience to Honor Michael Stryker, Allen Institute Board Member, with 2023 Ralph W. Gerard Prize in Neuroscience

Allen Institute



The Society of Neuroscience will honor Dr. Michael P. Stryker (*pictured*) with the Ralph W. Gerard Prize in Neuroscience. The award recognizes an outstanding scientist who has made significant contributions to neuroscience, and is named after neuroscientist Dr. Ralph W. Gerard, who helped establish the Society for Neuroscience and served as its honorary President. [Read More](#)

Promising Research for Enhancing Brain Health Through Neural Stimulation

UW Department of Bioengineering



Karam Khateeb (*pictured*), a PhD student in Dr. Azadeh Yazdan-Shahmorad's lab, has earned recognition for his research on neural stimulation through a National Institutes of Health grant. The research aims to improve the lives of people suffering from neurological disorders. This prestigious grant will provide two years of funding for graduate school and four years for post-doctoral research. [Read More](#)

Fall CARES Awards

UW Medicine News



The UW Medicine Cares Award, established in 2013, recognizes and celebrates the accomplishments of individuals and teams who consistently exemplify UW Medicine Service Culture Guidelines. Congratulations to the Department of Medicine members, Dr. Marta Alhama-Belotto (*pictured, left*) and Dr. Yi Huang (*right*), who received the Fall 2023 Cares Awards. [Read More](#)

Tatiana Khokhlova Receives Research Development Award

UW Medicine News



Dr. Tatiana Khokhlova (*pictured*), a Research Associate Professor of UW Gastroenterology, is the 2024 recipient of the Donald E. Bocek Endowed Research Development Award in Pancreatic Cancer. This award recognizes a junior level researcher making significant contributions to research related to pancreatic cancer. [Read More](#)

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Local News

Learn Essentials of Biomedical Entrepreneurship with New Training Series

Institute of Translational Health Sciences (ITHS)



The ITHS Technology Development Center is excited to host a new training series aimed at early-stage academic innovators who need to quickly learn the essentials of biomedical entrepreneurship. The Biomedical Innovation Fireside Chats will be a seven-part series of hour-long talks held January–May 2024. In each session, regional program leaders will host a panel of biomedical entrepreneurs, investors, and industry experts. [Read More](#)

Allen Frontiers Group Awards \$10M to Set Up Research Center for Neuroimmunology

GeekWire



The Paul G. Allen Frontiers Group, a division of the Seattle-based Allen Institute, is launching a research center in New York to focus on interactions between the nervous system and the immune system. The Allen Discovery Center for Neuroimmune Interactions will receive ten million dollars over the course of four years. [Read More](#)

Dr. Abe Bergman Remembered for Child Advocacy

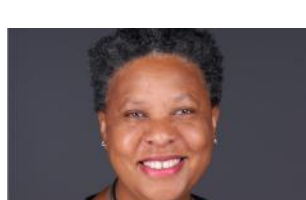
UW Medicine Newsroom



Dr. Abraham "Abe" B. Bergman (*pictured*), a pediatrician noted for leading many successful national efforts to pass legislative acts to protect the safety of children, died November 10th in Seattle at the age of 91. Dr. Bergman joined the faculty of the Department of Pediatrics at the UW School of Medicine in 1964 and practiced at Seattle Children's. He retired in 2016 as a Professor Emeritus. [Read More](#)

Dr. Lynda Stuart Joins CEPI's Scientific Advisory Committee

Institute for Protein Design



The Institute for Protein Design has announced that their Executive Director, Dr. Lynda Stuart (*pictured*), has been appointed to the Scientific Advisory Committee (SAC) of the Coalition for Epidemic Preparedness Innovations (CEPI). CEPI, a key player in global health initiatives, has expanded its SAC with nine new experts, including Dr. Stuart, to steer its innovative endeavors in vaccine development and outbreak response. [Read More](#)

Introducing the Srivatsan Lab

Institute for Protein Design



In a recent announcement, the Srivatsan Lab has been named an Affiliate Lab of the Institute for Protein Design. Under the leadership of Dr. Sanjay Srivatsan (*pictured*), the Srivatsan Lab at the Fred Hutchinson Cancer Center will focus on developing new sequencing technologies to understand how life's various components assemble. [Read More](#)

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📅 Upcoming Events in Seattle

- December 1 7:00 PM **The Story Collider**
Jewelbox Theatre
- December 2 9:00 AM **yEvo Workshop**
Fred Hutchinson Cancer Research Center
- December 6 8:00 AM **Seattle BioTech & Bagels Morning Virtual Meetup**
Online
- December 7 1:00 PM **Science in Medicine New Investigator Lecture with Dr. Azadeh Yazdan**
Foegen Auditorium
- December 15 7:00 PM **Mad Science**
Here-After

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📁 Science Jobs in Seattle

- Associate Research Scientist**
Futran Solutions
- Assistant/Associate Scientist, Vector Release Methods**
LanceSoft
- Research Associate II, Protein Chemistry**
Actalent
- Mahan Postdoctoral Fellowship**
Fred Hutch
- Lab Technical Assistant, Histology**
Virginia Mason Medical Center

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BONE MARROW SKELETAL PROGENITORS AND BONE DISEASES
On-Demand Webinar by Dr. Mara Riminucci

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