

Publications of the Week
Tuft-Cell-Derived Leukotrienes Drive Rapid Anti-Helminth Immunity in the Small Intestine But Are Dispensable for Anti-Protist Immunity

John McGinty (pictured, right) | Senior Author: Jakob von Moltke (pictured, back row right) | Immunity | UW School of Medicine



Helminths, allergens, and certain protists induce type 2 immune responses, but the underlying mechanisms of immune activation remain poorly understood. In the small intestine, chemosensing by epithelial tuft cells results in the activation of group 2 innate lymphoid cells. The authors have shown that tuft cells secrete cysteinyl leukotrienes to rapidly activate type 2 immunity following chemosensing of helminth infection. [Profile](#) | [Abstract](#)

Remnants of the Triglyceride-Rich Lipoproteins, Diabetes, and Cardiovascular Disease

First Author: Alan Chait | Senior Author: Karin Bornfeldt (pictured) | Diabetes | UW Medicine Diabetes Institute



Both type 1 and type 2 diabetes increase the risk of atherosclerotic cardiovascular disease (CVD). An attractive hypothesis is that remnant lipoprotein particles (RLPs), derived by lipolysis from VLDL and chylomicrons, contribute to this residual risk. Clarity as to the role of RLPs in CVD risk is hampered by lack of a widely accepted definition and a paucity of adequate methods for their accurate and precise quantification. [Abstract](#)

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Local News
Seattle Coronavirus Assessment Network Launches with Boost from Bill Gates, Amazon and Volunteers

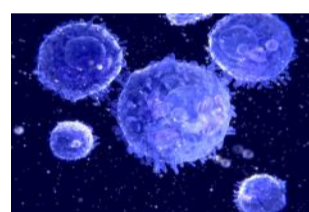
GeekWire



The scientific sleuths who tracked down the origins of the U.S. coronavirus outbreak in the Seattle area have announced a new initiative to crack the case wide-open — and they're signing up volunteers for self-testing at home. The Seattle Coronavirus Assessment Network, or SCAN, is an outgrowth of the Seattle Flu Study, which has been using genetic analysis to track the spread of infectious diseases for more than a year. [Read More](#)

Microsoft and Adaptive Biotechnologies Partner to Study Immune Response to COVID-19

GeekWire



Microsoft and Seattle-based Adaptive Biotechnologies have announced that they will work together to map the immune response to COVID-19. The goal of the partnership is to study population-wide immune responses to the disease. Their findings will be publicly available via an open data portal. By studying broad immune responses to the virus, the companies hope they can provide unique insights as researchers search for new therapies and diagnostics. [Read More](#)

Scientists Recreated Part of the Mouse Brain on a Computer — And Showed It Movies

Allen Institute for Brain Science



A team of computational neuroscientists at the Allen Institute have unveiled their largest virtual brain recreation to date: A computer-based simulation of the part of the mouse brain that processes what the animal sees, containing 230,000 lifelike digital neurons. This virtual piece of brain aims to simulate what happens in an animal that's engaged in its surroundings. [Read More](#)

Women in Bio-Seattle Member Spotlight: K. Ingrid Durenberger

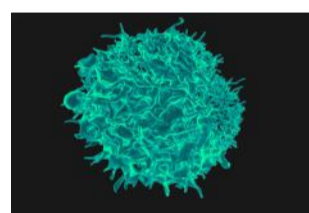
Women in Bio



A woman with the right attitude, patience, and perseverance can do it all. The story of K. Ingrid Durenberger's (pictured) success is an example of how to move forward in spite of hardships, unknowns, and adverse conditions. Previously a Data Manager at Fred Hutch, she is now a Senior Clinical Data Manager at Bristol-Myers Squibb, Co-Chair of Mentors-Advisor-Peers-Sponsors and the Women in Bio Seattle chapter's Sponsorship committee social media specialist. [Read More](#)

IsoPlexis, ISB Partner on COVID-19 Single-Cell Functional Immune Response Mapping

Genetic Engineering & Biotechnology News



Functional cellular proteomics platform developer IsoPlexis and the Institute for Systems Biology (ISB) will partner to study COVID-19 by mapping functional immune responses at the single cell level. The partners said they plan to carry out research on immune cells from people who have been diagnosed with, or recovered from, COVID-19. [Read More](#)

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6:00 PM
Hack the Performance Review, with Collaborator: Success Bully
Online
- April 8
9:00 AM
Webinar: Deciphering the Cell Cycle – The Role of Cell Cycle Control in Cancer
Online
- April 9-10
8:00 AM
Microbiome Symposium
Online
- April 21
10:00 AM
North American Vascular Biology Organization (NAVBO) Online Mini-Symposia
Online
- April 21
12:00 PM
Women in Bio National Webinar: Fundraising Boot Camp for Life Science Startups: Successful Partnering
Online

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