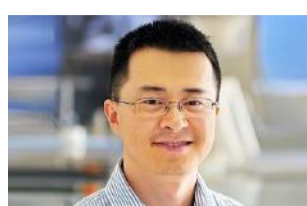


**Publications of the Week**

### Androgen-Regulated Stromal Complement Component 7 (C7) Suppresses Prostate Cancer Growth

First Authors: Zhicheng Zhou and Deyong Jia | Senior Author: Li Xin (*pictured*)  
 Oncogene | Institute of Stem Cell and Regenerative Medicine, Fred Hutch, and UW



The complement system is a major component of the innate immune system that works through the cytolytic effect of the membrane attack complex (MAC). Complement component 7 (C7) is essential for MAC assembly and its precisely regulated expression level is crucial for the cytolytic activity of MAC. The authors show that C7 is specifically expressed by the stromal cells in both mouse and human prostates. [Abstract](#)

### CD1 and iNKT Cells Mediate Immune Responses Against the GBS Hemolytic Lipid Toxin Induced by a Non-Toxic Analog

First Author: Anna Furuta | Senior Author: Lakshmi Rajagopal (*pictured*)  
 PLOS Pathogens | Seattle Children's and UW



Group B Streptococcus (GBS) is a leading cause of pregnancy-associated neonatal infections, and adult GBS infections are on the rise. The authors show that immune serum from mice immunized with a synthetic nontoxic analog of granadaene known as R-P4 facilitates GBS opsonophagocytic killing and protects naïve mice from GBS infection. [Abstract](#)

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**Local News**

### UW Med Develops New Test to Detect Tumor Cells in Blood

The Daily



A new blood test with the ability to quantify cancerous tumor cells in the bloodstream was developed this spring by researchers at UW Medicine and Seattle biotech company RareCyte. According to Dr. Daniel Sabath (*pictured*), Professor of Laboratory Medicine and Pathology at UW, this work has been decades in the making. [Read More](#)

### Just – Evotec Biologics Awarded Second Contract from US Department of Defense under Accelerated Antibodies Program

Life Science Washington



The US Department of Defense has awarded Evotec SE's Seattle-based subsidiary, Just – Evotec Biologics, a contract valued up to \$74M for the rapid development of monoclonal antibody-based drug product prototypes targeting orthopoxviruses. Under the contract, Just – Evotec will develop drug product prototypes from discovery through the execution of Phase I first-in-human clinical trials. [Read More](#)

### FDA Approves Gene Therapy with ISCRM Origins

Institute for Stem Cell & Regenerative Medicine (ISCRM)



Duchenne muscular dystrophy is a severe degenerative muscle disease caused by mutations in the gene that encodes dystrophin, an essential muscle-building, shock absorbing and signaling protein. For the last thirty years ISCRM faculty member Dr. Jeff Chamberlain (*pictured*) has been part of an effort to fix the underlying problems by using a harmless virus to carry a synthetic, miniaturized version of the gene to cells. [Read More](#)

### Long COVID Is Not a Single Condition, Study Finds

UW Medicine



Long COVID is not a single condition, and should not be treated as such, according to new data collected in nationwide study released May 31 in the *Open Forum of Infectious Diseases*. This study is clinically significant because it shows how the long-term symptoms from the virus changes its presentation over time, noted senior author Dr. Kari Stephens. [Read More](#)

### Promising Young Scientist: From Bangkok to Seattle, Nuttada Panpradist is a Profile in Courage

Brotman Baty Institute



Dr. Nuttada Panpradist's (*pictured*) curriculum vitae includes authorships on 27 published papers, and 40 abstracts and presentations. She has been interviewed nearly 30 times for news stories and UW publications. Currently, she holds a post-doctoral associate position in the UW Department of Global Health, as well as teaching and research roles at institutions in Kenya and her home county, Thailand. [Read More](#)

### Leroy Hood Wants to Show You How to Live for a Really, Really Long Time

Popular Mechanics



Dr. Leroy Hood (*pictured*), who is 84, is at the forefront of a movement to overhaul healthcare. Technically speaking, he is the cofounder of the Institute of Systems Biology (ISB), a biomedical research group, and the CEO of Phenome Health, a health-technology nonprofit. But what he really is, above all else, is a man with a mission. [Read More](#)

### What Do T Cells Like to Eat? The Answer Could Stop Multiple Sclerosis

Benaroya Research Institute (BRI)



Cells, like people, get their energy from sugars, proteins, and fats. Many cells have highly specialized diets — think of some loving kale while others prefer Texas BBQ. The exact diet that a cell eats is unique like a fingerprint, specific to the function of the cell. BRI's Drs. Yevgeniy Yuzepolskiy (*pictured*) and Estelle Bettelli think these fingerprints could be the key to stopping the cells that cause multiple sclerosis. [Read More](#)

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- June 13-14**  
 8:30 AM **2023 Allen Institute Modeling Software Workshop**  
 Allen Institute
- July 19-20**  
 8:00 AM **Jacob Green Charity Golf Classic**  
 The Golf Club and Newcastle
- July 19**  
 9:30 AM **New Multi-Modal Single Cell Technologies Enable Deep Profiling Into Human Immune Cell Development**  
 Online
- July 26**  
 5:30 PM **Summer Nights Happy Hour**  
 Pacific Science Center
- August 17**  
 4:30 PM **Life Science Washington Annual Summer Social 2023**  
 Life Science Washington

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