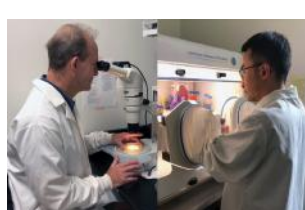


Publications of the Week

## Genetic Manipulation of Patescibacteria Provides Mechanistic Insights into Microbial Dark Matter and the Epibiotic Lifestyle

First Author: Yaxi Wang (*pictured, right*) and Larry Gallagher (*left*) | Senior Author: Joseph Mougous Cell | UW



Patescibacteria, also known as the candidate phyla radiation, are a diverse group of bacteria that constitute a disproportionately large fraction of microbial dark matter. Due to a lack of suitable tools, the genetic basis of this lifestyle and other unique features of Patescibacteria remain unexplored. Here, researchers show that Saccharibacteria exhibit natural competence, and they exploit this property for their genetic manipulation. [Abstract](#) | [Press Release](#)

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Awards

## Nisha Bansal Receives K26 Mentoring Award

UW Medicine



Dr. Nisha Bansal (*pictured*), was awarded a National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) Investigator Award to Support Mentoring of Early Career Researchers from Diverse Backgrounds (K26). The purpose of this award is to provide protected effort and resources to established NIDDK-funded mentors to provide high-quality mentoring to graduate students and postdoctoral fellows from diverse backgrounds. [Read More](#)

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Local News

## Researchers Are Developing an Implantable Device That Could Prevent Pregnancy and HIV for Two Years

UW Department of Bioengineering



Many women around the world face the risk of unintended pregnancy and HIV infection – two of the leading causes of death for women of reproductive age. To address this problem, researchers, co-lead by Dr. Patrick Starton (*pictured*), are collaborating to develop a new type of product called multipurpose prevention technologies. [Read More](#)

## Seattle Children's Announces Future Location of Odessa Brown Children's Clinic in the Central District

Seattle Children's



Leaders from Odessa Brown Children's Clinic (OBCC) announced the location of its new clinic site in Seattle's Central District. The future home of OBCC will serve area patients and families with robust mental health and behavioral health services, nutrition, acute and well-child medical visits, labs, violence and injury prevention support and addiction related resources, which are unique to OBCC and not offered elsewhere. [Read More](#)

## Patient Partners: A Missing Ingredient at Conferences?

KP Washington



Starette Canada (*pictured, front right*), a patient partner, sat down with ACT Center team members Claire Allen (*front, left*), Jess Mogk (*back, left*), and Kelsey Stefanik-Guizlo (*back, right*) to talk about their experiences at AcademyHealth's Annual Research Meeting. They highlight gaps that remain in patient engagement and share their perspectives to design better solutions to improve health care. [Read More](#)

## Otsuka, Shape Ink Potential \$1.5B Deal to Develop Eye AAV Gene Therapies

BioSpace



Japan's Otsuka Pharmaceuticals announced a multi-target collaboration with RNA editing biotech Shape Therapeutics to develop intravitreal adeno-associated virus gene therapies for ocular diseases. The contract has a potential aggregate value exceeding \$1.5 billion, which includes an upfront payment from Otsuka. Seattle-based Shape will also remain eligible for tiered royalties on future sales of any product that results from this agreement. [Read More](#)

## Fred Hutch to Serve As National Coordinating Center for New Asian American, Native Hawaiian and Pacific Islander Health Studies

Kaiser Permanente Washington



Fred Hutchinson Cancer Center will serve as the national coordinating center for a new epidemiological cohort study among Asian Americans, Native Hawaiians and Pacific Islanders. Fred Hutch was awarded a seven-year, \$38.7 million National Institutes of Health grant to coordinate the effort to gather important health information on these populations, which are underrepresented in biomedical research. [Read More](#)

## Welcome New Lecturer Rupak Rajachar

UW Department of Bioengineering



Rupak Rajachar (*pictured*) has joined the UW Department of Bioengineering faculty as a lecturer. He will oversee the Master of Applied Bioengineering program and team capstone projects, providing mentorship and guidance for students. His teaching philosophy emphasizes translational and applied science, and he is excited to help students apply their knowledge and develop real-world solutions to pressing problems. [Read More](#)

## WRF Commits \$1.2 Million to Collaborative Postdoctoral Entrepreneurship Program at UW and WSU

Washington Research Foundation (WRF)



Washington Research Foundation has awarded more than \$1.2 million to expand a University of Washington (UW) training program for entrepreneurs, and to partner with Washington State University (WSU) to establish a parallel, collaborative program at that institution later this year. The Postdoctoral Entrepreneurship Program supports early-career innovators to improve the likelihood of successfully commercializing their technologies for public benefit. [Read More](#)

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### Upcoming Events in Seattle

- Sept 20 - 24  
9:00 AM

**14<sup>th</sup> Annual In-Person Comprehensive Hematology & Oncology Review Course**  
Fred Hutch
- Sept 20  
12:00 PM

**PNRI's Science Matters Seminar: Why We Have the Diseases We Have**  
Online
- Sept 23  
8:00 AM

**BACPAC Prostate Cancer Community Research Symposium**  
Fred Hutch
- Sept 24 - 27  
9:00 AM

**PRIMeD at Fred Hutch**  
Fred Hutch
- Sept 28  
5:00 PM

**Brains, Cells, & Immune Systems: 20 Years of Impact at the Allen Institute**  
Allen Institute

[View All Events](#) 

### Science Jobs in Seattle

- Postdoctoral Fellow**  
ISB
- Clinical Research Coordinator I/II**  
Fred Hutch
- Bioinformatics Analyst II**  
Allen Institute
- Biologist II**  
AECOM
- Research Scientist I**  
Seattle Children's

[View 53 Other Science Jobs](#) 



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