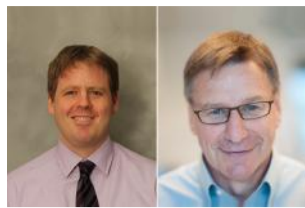


Publications of the Week
Neoantigen-Specific CD4⁺ T Cells in Human Melanoma Have Diverse Differentiation States and Correlate with CD8⁺ T Cell, Macrophage, and B Cell Function

 First Author: Joshua Veatch (*pictured, left*) | Senior Author: Stanley Riddell (*right*)
 Cancer Cell | Fred Hutch and UW


CD4⁺ T cells that recognize tumor antigens are required for immune checkpoint inhibitor efficacy in murine models, but their contributions in human cancer are unclear. The authors used single-cell RNA sequencing and T cell receptor sequences to identify signatures and functional correlates of tumor-specific CD4⁺ T cells infiltrating human melanoma. [Profile](#) | [Abstract](#)

BRCA1/BARD1 Is a Nucleosome Reader and Writer

 First Author: Samuel Witus | Senior Author: Rachel Klevit (*pictured*)
 Trends in Biochemical Science | UW


The BRCA1 and BARD1 proteins form a heterodimeric complex (BRCA1/BARD1) that regulates many biological processes, including transcription and DNA double-stranded break repair. The authors review recent advancements in structural and cellular biology that have provided critical insights into how BRCA1/BARD1 serves as both a nucleosome reader and writer to facilitate transcriptional regulation and DNA repair by homologous recombination. [Abstract](#)

[View All Publications](#)
Awards
Brian Kraemer Awarded \$250,000 by Washington Research Foundation to Develop Small Molecules to Treat Alzheimer's Disease

EIN Presswire



The Washington Research Foundation has awarded a \$250,000 technology commercialization grant to Dr. Brian Kraemer (*pictured*) to develop small molecules for the treatment of Alzheimer's disease. Dr. Kraemer, a Professor in UW's Division of Gerontology and Geriatric Medicine, will use the funding to progress his novel approach to treating the disease. [Read More](#)

The Center for Innovations in Cancer & Transplant Wins Entry to AST Transplant Visionaries Challenge

UW Division of Nephrology



Dr. Christopher Blosser (*pictured*) and the Center for Innovations in Cancer & Transplant team, along with the Kidney Research Institutes's Glenda Roberts, were selected for the American Society of Transplantation (AST) Transplant Visionaries Challenge for their work in establishing the Center for Innovations in Cancer & Transplant. Their video presentation won a \$1,000 prize for highlighting the Center's potential in moving the field of transplantation forward. [Read More](#)

[View All Awards](#)
Local News
Seagen Announces Plans to Expand Pacific Northwest Biomanufacturing Capacity to Support Growing Portfolio of Transformative Cancer Medicines

Seagen



Seagen announced plans to build a new 270,000-square-foot facility in Everett, Washington, to expand the company's biomanufacturing capacity and enable the company greater control and flexibility over the production of its medicines to treat cancer. They expect to have the facility operational in 2024 and ultimately employ up to 200 highly skilled workers to produce medicines for clinical trials and the commercial market. [Read More](#)

BioE's Believe Sleeve among Finalists in Dempsey Startup Competition

UW Department of Bioengineering



Judges selected UW Bioengineering (BioE) team Believe Sleeve to move on to the final Investment Round in this year's Dempsey Startup Competition. The Believe Sleeve team is developing a personalized device to speed relief to the 100 million people worldwide who suffer from phantom limb pain following an amputation. Currently, there is no standard treatment for phantom limb discomfort. [Read More](#)

Scientists Set Out to Map the World's Genomic Diversity

UW Medicine



An international consortium of scientists has launched a new effort to create a reference genome that captures the genetic diversity of all the peoples of the world, which was described in paper published in *Nature*. "The goal is to collect, organize and make accessible a representation of all the genetic variation that exist in humans, big, small, common and rare," said Dr. Evan Eichler (*pictured*), a Professor of Genome Sciences at UW Medicine and a co-author of the paper. [Read More](#)

Dream Team Engineers the Future of Biotech

UW Medicine



What if we could combine technology and medicine to boost the body's natural ability to fight off life-threatening diseases like cancer — without patients having to undergo harsh treatments like chemotherapy and radiation? Ambitious questions like this are at the forefront of an innovative research collaboration at UW Medicine, created by Dr. Hannele Ruohola-Baker (*pictured*), the Associate Director of the Institute for Stem Cell and Regenerative Medicine. [Read More](#)

Lumen Bioscience Announces Clinical Advancement of LMN-201 for *C. difficile* Infection

BioSpace



Lumen Bioscience announced clinical development progress for LMN-201, an investigational orally delivered cocktail to treat and prevent *C. difficile* infection. Achievements include FDA clearance of a planned Phase II study of LMN-201 and successful completion of a Phase I first-in-human study, which validated drug delivery of enteric capsules into the gut. [Read More](#)

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Upcoming Events in Seattle

April 26 8:00 AM	World IP Day: Innovating For a Better Future Online
April 26 10:00 AM	The Virtual Science Lab: Does Organelle Shape Matter? Online
April 27 9:30 AM	Distinguished Seminar: Mackenzie Mathis Online
May 4 12:00 PM	Cellular Therapy Series Part I: How Engineered Cellular Therapies Are Reshaping Medicine Online
May 7 6:00 PM	Desert Sun Guild's Spring Gala Michele's Event Center

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Science Jobs in Seattle
Postdoctoral Research Fellow, Jerome Lab
 Fred Hutch

Research Technician I
 Seattle Children's

Director, Regulatory Affairs CMC
 Chinook Therapeutics

Postdoctoral Research Associate
 Benaroya Research Institute at Virginia Mason

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