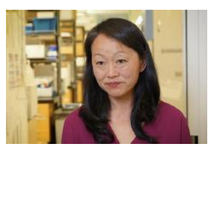
Volume 3.31: August 17, 2020

Publications of the Week

When the Damage Is Done: Injury and Repair in Thymus Function

First Author: Sinéad Kinsella *(pictured, left)* | Senior Author: Jarrod Dudakov *(pictured, right)*
Frontiers in Immunology | Fred Hutch



Even though the thymus is exquisitely sensitive to acute insults like infection, shock, or common cancer therapies such as cytoreductive chemo- or radiation-therapy, it also has a remarkable capacity for repair. This phenomenon of endogenous thymic regeneration has been known for longer even than its primary function to generate T cells, however, the underlying mechanisms controling the process have been largely unstudied. **Abstract**

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Local News

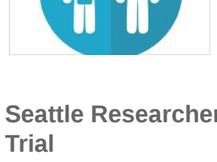
Study Sheds New Light on Why Arterial Plaques Rupture

UW Medicine

Statins that people take to combat atherosclerosis are intended to not only reduce arterial plaque mass, but also – and equally important – to make its composition more stable, as plaque rupture is the mechanism that often precipitates these grave events. New research by investigators at the UW School of Medicine sheds light on what causes plaques to rupture. **Read More**

Can a Tumor that Acts Like a Microbe Help Us Develop Better Cancer Therapies?

Fred Hutch



A tumor that jumps from host to host. A tumor that evolves to slow itself down. Both defy expectations, and both are the same tumor. Rare contagious tumors have brought Tasmanian devils to the brink of extinction, but new work from scientists at Washington State University and Fred Hutch could shed light on its weaknesses. **Read More**

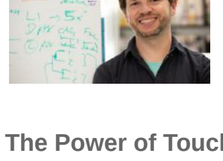
Immune Response Markers Might Predict COVID-19 Outcomes

UW Medicine

Researchers have identified five immune response markers that have collectively created "antibody signatures", which could correctly classify both COVID-19 patients who recovered and those who did not survive the disease. Co-leading the study, UW Medicine's Dr. Helen Chu (*pictured*) and her team were responsible for the enrolment, specimen collection, and management of the clinical work. **Read More**

Color-Coding Technology Reveals New Insights about Stem Cell Biology

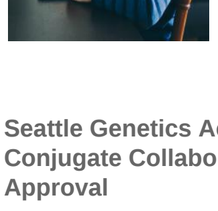
Institute for Stem Cell & Regenerative Medicine, UW



In a study by the Institute for Stem Cell and Regenerative Medicine at UW, researchers used rainbow reporters to learn more about pluripotent stem cells and three primary differentiated cell types: mesodermal cells, which give rise to bones, muscle, blood, and the heart, endodermal cells, which give rise to the tissue in the gut, and ectodermal cells, which give rise to the skin and brain. **Read More**

NIH Grants $1.44M to Cancer Targeted Technology to Support the Ongoing Prostate Cancer Clinical Trial of a Promising New Radiotherapeutic, CTT1403

Cancer Targeted Technology via Businesswire



Cancer Targeted Technology, a privately-held Seattle-based biotechnology company, has been awarded $1.44M from the National Institutes of Health (NIH) on the second year of a competitive Small Business Innovation Research Phase IIB grant. The three year grant commenced in 2019 and totals $3.3M and this second year of funding supports the current CTT1403 clinical trial. **Read More**

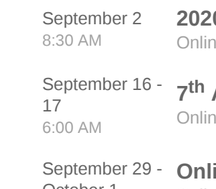
Seattle Researchers 'Excited' by Initial Results of COVID-19 Immunotherapy Trial

IDRI via King5

The Seattle nonprofit Infectious Disease Research Institute (IDRI) says early results are positive on a clinical trial for immunotherapy on COVID patients. CEO of IDRI, Dr. Corey Casper (*pictured*), said "The goal is to administer this immune therapy to patients who are not yet needing that intensive support...the main outcomes we're looking at are how quickly they get over their COVID-19 disease and whether we can prevent them from needing this intensive care." **Read More**

The McLaughlin Lab Prioritizes Curiosity, Putting Basic Science First

PNRI



Pacific Northwest Research Institute (PNRI) scientists ask questions, pursue their curiosity, and practice basic, fundamental science. Dr. Rick McLaughlin (*pictured*) and his lab are committed to finding new solutions to human health. In his words, "The kind of science that I like to do is to find a question that's really motivating, that's fundamental, that's fascinating, and chase that question." **Read More**

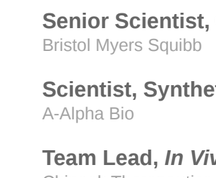
The Power of Touchscreens: ISB Researchers Develop Game to Help Students Learn Molecular Biology

Institute for Systems Biology (ISB)

Molecular biology is complicated business, and teaching core concepts to students is undoubtedly challenging—even in non-pandemic times. In response to this problem, Institute for Systems Biology researchers have created a video game that teaches secondary students (grades 6-12) the key tenets of molecular biology in a fun, interactive and engaging way, and can be used by teachers as a supplemental aide to assist with complex lessons. **Read More**

Seattle Genetics Achieves Milestone Payment Under Antibody-Drug Conjugate Collaboration with GlaxoSmithKline Triggered by BLENREP FDA Approval

Seattle Genetics via Businesswire



Seattle Genetics has announced US FDA approval of GlaxoSmithKline's (GSK) BLENREP™, an antibody-drug conjugate targeting B-cell maturation antigen that utilizes Seattle Genetics' proprietary technology. BLENREP was developed and will be commercialized by GSK. The approval triggers a $20 million milestone payment and entitles Seattle Genetics to royalties on BLENREP product sales. **Read More**

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Upcoming Events in Seattle

August 26 5:30 PM	**Women in Bio Seattle: Virtual Summer Networking** Online
September 2 8:30 AM	**2020 from the Laboratory to Leadership - Fall Program** Online
September 16 - 17 6:00 AM	**7th Annual Conference: SBI2 High Content 2020** Online
September 29 - October 1 8:00 AM	**Online Bernstein Conference 2020** Online
October 1 8:00 AM	**Distinguished Seminar Series** Online

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