

Publications of the Week

Generation of WTC11 CLYBL-CAG_GCaMP8f Cell Line for Fast and Sensitive Calcium Tracking

First Author: Noah Jackson Bowers | Senior Author: Silvia Marchiano (*pictured*)
Stem Cell Research | UW



Genetically encoded calcium indicators (GECIs), such as GFP-based GCaMP sensors, are powerful tools for monitoring electrical activity in excitable cells. Here, researchers engineered a WTC11 line by inserting the fast GCaMP8f sensor into the CLYBL safe-harbor locus under the control of the CAG promoter, together with an antibiotic selection cassette removable by Cre recombinase.

[Abstract](#) | [Press Release](#)

[View All Publications](#)

Awards

Dr. Jennifer Ray Receives Clinical Teaching Award

UW Medicine



Dr. Jennifer Ray (*pictured*), Assistant Professor of Clinical Practice of Gastroenterology, was selected by the graduating class of Gastroenterology fellows as the inaugural Clinical Teacher of the Year. This newly established award recognizes faculty who demonstrate exceptional dedication to the education, mentorship, and professional development of fellows. [Read More](#)

2026 Alan Chait Awards for Excellence in Mentorship

UW Medicine



Drs. Karin Bornfeldt (*pictured, right*) and Tracy Tylee (*left*) are the research and clinical recipients respectively of the 2026 Alan Chait Award for Excellence in Mentoring. Honoring Dr. Chait, this award recognizes faculty members who have demonstrated an outstanding commitment to mentorship, teaching, and professionalism for trainees. [Read More](#)

2026 Chair of Medicine Scholars Awards

UW Medicine



The Chair of Medicine Scholars Awards were created to assist highly qualified and meritorious trainees in their transition to the roles of physician-scientist and principal investigator. This year's winners are Drs. Sarah (Sally) Baker, Megan Capozzi, Michael Granda, and Sarah Holton (*pictured*). These awards are intended to demonstrate significant departmental or institutional commitment to awardees. [Read More](#)

Dr. James Town Receives Outstanding Achievement in Quality and Safety Award

UW Medicine



Dr. James Town (*pictured*), Associate Professor of Pulmonary, Critical Care and Sleep Medicine, is the 2026 recipient of the J. Richard Goss Outstanding Achievement in Quality and Safety Award. This award recognizes outstanding faculty and staff who advance safer, more accountable care, and strengthen quality systems across UW Medicine. [Read More](#)

[View All Awards](#)

Local News

Two Paths, One Mentor: How a PNRI Internship Helped Launch Careers in Medicine and Research

Pacific Northwest Research Institute (PNRI)



Just a few years ago, Kate Helle and Lidia Gagarina were undergraduate students participating in PNRI's Summer Undergraduate Research Internship program. Today, their paths are now taking them in different directions—Kate toward patient care and Lidia toward scientific discovery. But both trace part of that journey back to the same formative experience: working in the lab of Dr. Cláudia Carvalho (*pictured*). [Read More](#)

‘Incredible Collaboration:’ Q&A with Drs. Lea Starita and Doug Fowler on Resolving Variants of Uncertain Significance

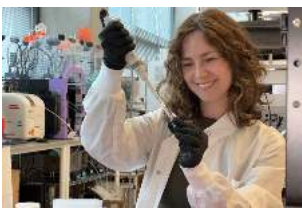
Brotman Baty Institute



A new paper led by Drs. Doug Fowler (*pictured, left*) and Lea Starita (*right*) represents a pinnacle built on an enormous amount of effort across a long stretch of time, by many people. The study, "A Scalable Approach to Resolving Variants of Uncertain Significance," reflects decades of building technologies, scaling them toward a clinical goal, and assembling the collaborations needed to get there. [Read More](#)

A WRAP for Biology’s Greasiest Problem

UW Medicine



The membrane protein surface repels water. Its hydrophobic nature has complicated the development of therapies and vaccines to target membrane proteins. Researchers, including Ljubica Mihaljevic (*pictured*), have reported for the first time that membrane protein structures can be distinguished by using computationally designed protein coverings. [Read More](#)

[View All Local News](#) | [Submit an Article](#)

Interesting Articles

Submit Your Letter of Intent for the Commercialization Gap Fund Awards

WSU Insider



The Office of Research at WSU in partnership with the Washington Research Foundation is now accepting submissions for the 2027 Commercialization Gap Fund awards. This program awards up to \$50,000 to WSU researchers from across the entire university system who demonstrate how their work will have a significant economic impact on society. [Read More](#)

[View All Interesting Articles](#) | [Submit an Article](#)

Upcoming Events in Seattle

July 27 7:00 PM	Science on Tap Ravenna Brewing Co.
August 13 4:30 PM	Life Science Washington Annual Summer Social 2026 188 E Blaine St
Sept. 10 - 11 8:00 AM	Cascadia Mucosal Biology Symposium Allen Institute
Sept. 15 - 16 8:00 AM	Emerging Connectomics of Thalamus and Striatum Workshop Allen Institute
Sept. 23 - 25 8:00 AM	Stem Cell & Developmental Biology Early Career Symposium Allen Institute

[View All Events](#) | [Submit an Event](#)

Science Jobs in Seattle

Regulatory Affairs Specialist II Seattle Children's
Pathology Associate Altasciences
Education & Engagement Specialist II Allen Institute
Principal Scientist, Purification Process Design Evotec
Research Scientist/Engineer 2, SeaHub UW

[View 80 Other Science Jobs](#) | [Submit a Job](#)

**Science Communicators to Learn From**

[READ NOW](#)

Submit your articles and events by reaching out to us at info@scienceinseattle.com.

BROUGHT TO YOU BY



STEMCELL Technologies
Products | Services

STEMCELL Science News
Free Weekly Updates on Your Field

The Stem Cell Podcast
Interviews and Updates on Stem Cell Science