



FRED HUTCH

Office of Education & Training

Quarterly Newsletter

*Autumn 2021*

The Fred Hutch Office of Education & Training (OET) quarterly newsletter brings you highlights, resources and updates from the educational initiatives at Fred Hutch.

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The Fred Hutch Office of Education & Training (OET) houses programs committed to training the next generation of scientists. The OET programs span the biomedical disciplines and research interests pursued at Fred Hutch — from basic, human biological, clinical, and public health sciences research to a range of cancers and infectious diseases — with a commitment to increasing access and creating pathways for those trainees historically excluded. The activities and training opportunities include:

- *Office of Science Education and Training (SciEd) - [internships](#) and programs for science [teachers](#), [high school students](#) and [undergraduates](#)*
- *[Office of Graduate Education](#) (OGE) - graduate student administration and professional development*
- *[Office of Scientific Career Development](#) (OSCD) - graduate student and postdoctoral fellow professional development*
- *[Faculty Development Program](#) - faculty training, mentoring and leadership development*

For more information on programming available at each level please visit [our website](#).

Science Education Partnership Celebrates 30 Years!



The Science Education Partnership (SEP) celebrates its 30th Anniversary this year! Watch the [SEP 30th Anniversary Celebration Video](#) to learn how SEP got started and how it has impacted teachers and students over the years.

SEP exemplifies a true partnership between scientists and educators. Since 1991, SEP has paired research scientists with over 580 secondary school science teachers in Washington state - reaching approximately 15,000 students in a school year through their [kit loan program](#). Through workshops and a summer professional development program, teachers learn molecular biology techniques and participate in laboratory research. SEP also helps mentor scientists refine their teaching skills and enhance their ability to communicate science to the broader community.

UW Biomedical Research Graduate Student & Postdoc Affinity Groups Begin this Fall

Starting in late 2020, student and staff members of the University of Washington Immunology and UW/Fred Hutch Molecular & Cellular Biology (MCB) Diversity, Equity and Inclusion (DEI) Committees worked together to create the Graduate Student & Postdoc Biomedical Research Affinity Groups. These groups started convening their first meetings this fall! They provide a "brave" space for members of a shared identity (Latinx, Middle Eastern & North African, Indigenous and LGBTQIA) to forge community through social events, outreach, professional development and more. Members of the groups come from labs across Seattle - UW, Fred Hutch, Seattle Children's Research Institute, Benaroya Research Institute, Allen Institute, and Pacific Northwest Research Institute.

Graduate students and postdocs facilitate the groups. They receive facilitator training, guidance from DEI Committee advisors, and mentorship from a faculty champion who also provides a voice with institutional leadership. Others groups have expressed interest in forming and are working with the DEI committee members on next steps. More information about the affinity groups (as well as their listserv sign-ups) can be found on the UW School of Medicine Office of Research and Graduate Education [website](#).

Student Spotlight: Elsa Bean

*Flowing Through the Fred Hutch Education Pipeline:
from SHIP & SURP to BS Biomedical Engineering*



Q&A with Elsa Bean

Hometown: Issaquah, WA

Education

*California Polytechnic State
University, San Luis Obispo*

Bachelor of Science in Biomedical
Engineering

[Summer High School Internship Program](#)
(SHIP) 2017, Ghajar Lab

[Summer Undergraduate Research
Program](#) (SURP), 2021, Dey Lab

How did you find out about the programs at Fred Hutch?

When I was a sophomore in high school, my father was diagnosed with Stage 4 gallbladder cancer and passed away four months after his diagnosis. With such a quick progression, my family had little time to register our new normal without him let

What is one valuable thing that has come out of your time in the programs at Fred Hutch?

Both programs really helped me in understanding my next steps. Specifically, SHIP helped me realize my love for biological research and ultimately led me to committing to Cal Poly where I have been able to participate in biomedical research starting my first year. More recently, SURP provided me with amazing mentors and peers, which have been instrumental in helping me determine what my next career steps will be.

Any memorable experiences or struggles in science and/or higher education that you would like to share?

As a woman in STEM, I have really struggled to find female role models and mentors in science. My department only has two female faculty members, both of whom teach only master's classes, and a majority of my research mentors have been male so I never saw myself eventually working in those positions. Even now, after participating in the Hutch's internship programs where I was in diverse groups such as my SURP cohort where a majority of us were female identifying, it felt like a novelty. I have found it so instrumental to my feeling of belonging in science to find other woman who can relate to my experiences. At Cal Poly I joined both Society of Women Engineers and a social and professional sorority for women in STEM to gain that sense of community. And at Fred Hutch, both Dr. Beverly Torok Storb's guidance during SHIP and mentorship from Dr.

alone have time or the energy to understand his diagnosis and the treatments (or lack of treatments) available. After about a year the only thing that I felt could help me combat my grief was learning about cancer and why my father may have been susceptible to it in the first place.

I don't remember why I decided internships was the way I was going to get my answers, but I found SHIP during that search. After my summer participating in SHIP where I learned the central dogma and the basics of cancer and research I knew that I wanted a career in biological research. During COVID, I became really interested in how our lifestyle choices impact our overall health and wanted an experience in a lab that connected food, nutrition, or the gut microbiome with our health. SURP was the perfect opportunity to return to the Hutch, live back in my hometown for the summer, and participate in hands on research specific to my interests.

Norma Morella during SURP have shown me how to pave a way for myself as a woman in research.

What are you doing to stay mentally healthy during COVID times?

During COVID times I have really enjoyed learning about and caring for my houseplants! It has been really fulfilling to care for something else, specifically watching something grow, as a means for caring for myself. Adding some greenery around my bedroom to look at during zoom meetings didn't hurt either!

What are your future plans?

I am finishing up my undergraduate degree in June and would love to work in biotech specifically in cellular therapies. Currently, I am debating between pursuing a master's in regenerative medicine at Cal Poly or taking a gap year(s) working in Seattle before applying to other graduate programs.

Fun Fact: I took piano lessons for 12 years and still love playing for fun!

Jessica Gianopulos receives the Dr. Paul Neiman Outstanding Graduate Student Award



SURP intern Mackenzie Smith (left) works in the Kugel lab with mentor Jessica Gianopulos

Congratulations to Jessica Gianopulos, a University of Washington/Fred Hutch Molecular & Cellular Biology (MCB) graduate student in [Dr. Sita Kugel's lab](#), who has been named this year's winner of the Dr. Paul Neiman Outstanding Graduate Student Award. Seeking to inform future targeted therapeutic approaches for pancreatic ductal adenocarcinoma, or PDA, Jessica works to understand the molecular and epigenetic differences that distinguish transcriptional PDA subtypes.

An endowment created by the Neiman family that honors Dr. Paul Neiman, one of the Hutch's founding members, makes the Neiman Award possible. It supports an exceptional student in [MCB](#) who is training with a junior faculty member at Fred Hutch and includes funds for the student as well as their tuition costs, which in turn supports the faculty member's lab.



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@ndchiappini



Whenever I mess up an experiment I just think of what a pigeon considers a successful nest



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Events & Programs

Fred Hutch-UW Cancer Consortium Corner | Partner Events

The Institute of Translational Health Sciences (ITHS) Career Development Series (CDS) consist of monthly lectures and workshops designed to provide the translational science community with tools, a forum for discussion, and learning opportunities to help advance their careers.

Wednesday, November 17, 2021 (12 -1:30 pm)

[Crafting and Delivering Your Elevator Pitch](#)

Tuesday, December 7, 2021 (12 -1:30 pm)

[Biosketch 101: Getting \(Grant Reviewers\) to Know You](#)

Wednesday, January 19, 2022 (12:00 - 1:30 pm)

[Responding to Reviewer Comments: Turning Your Good Manuscript Into a Great Publication](#)

Recent and Upcoming Events

September 23 - November 8, 2021

NIH Office of Intermural Training and Education (OITE) *Becoming a Resilient Scientist Series* webinars and discussion groups for Fred Hutch graduate students and postdocs

Thursday, October 28, 2021

NIH Office of Intermural Training and Education (OITE) training for Fred Hutch faculty *Helping Your Trainees Develop Resilience* - [recording](#)

Monday, November 8, 2021

Achievement Rewards for College Scientists (ARCS) Foundation [Annual Luncheon](#)

Note: Trevor Bedford is the event Keynote

Tuesday, November 9, 2020

Washington State Opportunity Scholars Opportunity (WSOS) [Talks Breakfast](#)

Education Program Application & Award Nomination Deadlines

Monday, November 1, 2021

[Dr. Barbara L. Berg Scientific Transition Program](#)

Tuesday, February 1, 2022

[UW Genome Sciences Summer Research Program](#)

Wednesday, December 1, 2021

[University of Washington-Fred Hutch Molecular and Cellular Biology Ph.D. Program](#)

Monday, February 28, 2022

[Pathways Undergraduate Researchers](#)

Wednesday, December 15, 2021

[Harold M. Weintraub Graduate Student Award](#)

Thursday, March 31, 2022

[Summer High School Internship Program \(SHIP\)](#)

Wednesday, March 16, 2022

[Pathways Explorers](#)

January 7 & 14, 2022

[Summer Undergraduate Research Program \(SURP\)](#)

March 31 & April 14, 2022

[Science Education Partnership \(SEP\)](#)

Friday, January 14, 2022

[Cancer Research Internship for Graduate Students](#)

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