

**FRED HUTCH****Office of Education & Training***Quarterly Newsletter*

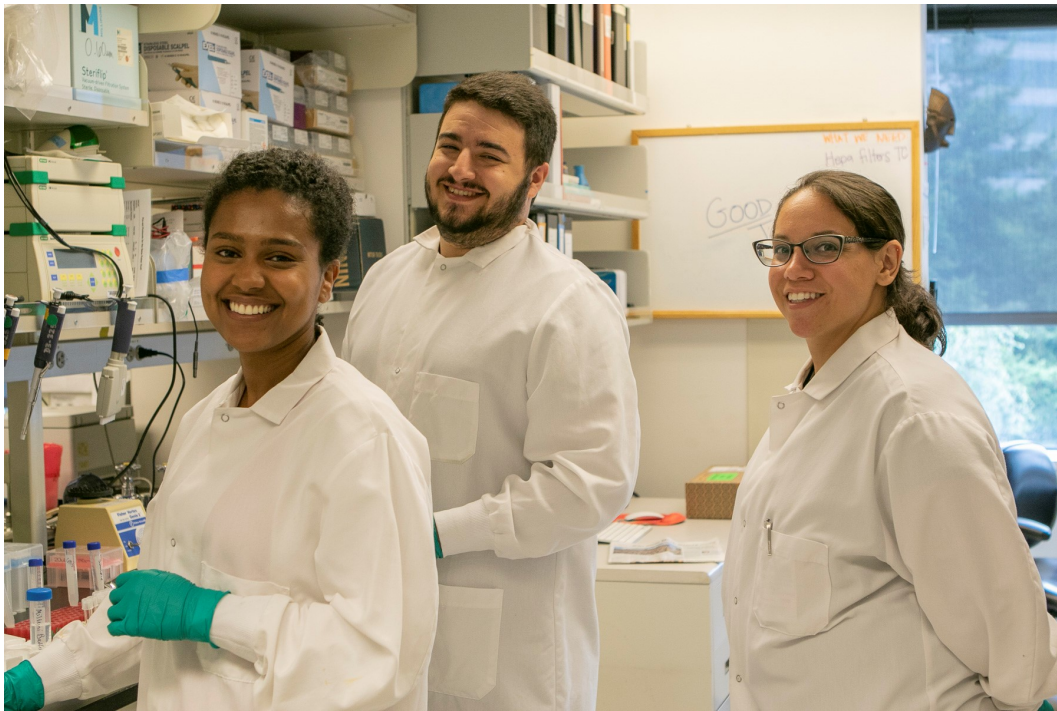
Winter 2022

The Fred Hutch Office of Education & Training (OET) houses programs for a multitude of educational levels, including secondary school teachers, high school, undergraduate and graduate students, postdoctoral fellows, and faculty. Our quarterly newsletter brings you highlights, resources, and updates from these educational initiatives at Fred Hutch. For more information on programming available at each level, please visit our [website](#).

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New Curriculum: Race, Racism & Genetics



Secondary science teachers in the Science Education Partnership program at Fred Hutch. Photo credit: Caren Brinkema.

The [Race, Racism & Genetics](#) curriculum was developed by the Fred Hutch Science Education Partnership (SEP) to help high school science teachers debunk the idea that race is an inherently genetically meaningful category. The curriculum has been under development for a few years, and was recently posted online to support teachers and students not just in Washington state, but all across the country. Over 60 teachers have accessed the materials to date, estimating that they will use the lessons with nearly 20,000 students. When one SEP teacher asked students about their most memorable unit last year, comments included "I believe that the most interesting/important topics I've ever learned in school were covered in the Race and Human Genetics unit" and "I think the Race and Genetics unit had the biggest impact on me because it tied together science and systematic racism and oppression." Check out this Hutch News [article](#) and NGS Navigators [podcast](#) to learn more about the creation of this curriculum and how it has impacted teachers and students nationwide.

Student Spotlight: Amanda Bradley

*Flowing Through the Fred Hutch Education Pipeline:
from MCB Grad Student to Postdoc in the Berger Lab*



Growing up in southern Colorado this is nothing new to me, but it is really obvious the lack of diverse postdocs that the Hutch has. I think that is something that really can be improved, and I'm excited that I was given the opportunity to be part of that initiative. I had really good advisors on my committee, but I was also wavering about doing a postdoc or not. Being a black woman, "I thought is academia even possible for me?". I'm willing to give it a

Q&A with Amanda

Bradley, PhD

Hometown: Colorado Springs, CO

Postdoctoral Fellow - [Berger Lab](#)

Research: Using genomics technologies, I aim to dissect the genetic contributions of MET activity and drug resistance in MET-mutant lung cancers.

Education

PhD, University of Washington, [Molecular and Cellular Biology](#) (MCB) - Gardner Lab

BS, University of Colorado, Colorado Springs

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

When I was looking for grad school options, I spent a lot of time researching different programs, requirements, and faculty involved with the programs. At that time, I thought UW-Fred Hutch MCB was going to be a reach for me. As soon as I got an interview I was stunned, but totally thrilled. Coming to Seattle and meeting the program co-directors, the administrators, and seeing just how happy MCB students were and how genuine it was after having been in so many other interviews - that really stuck out with me.

As a former MCB student in a UW Lab, I was familiar with quite a few of the labs at Fred Hutch. I've heard nothing but positive things in terms of the training environment, the sense of community, and the amount of collaboration that goes on here. Since I really enjoy living in Seattle and I've been here since 2015, I wasn't interested in moving states. Coming to the Hutch for a postdoc was a great option for me because it was still technically an institution change, which is important as a postdoc.

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

As an MCB student, I really valued the opportunities students were given to participate in extracurricular activities. I was, and still am, passionate about

shot and I think I have the potential to be successful. Great advisors really made me believe that I can make it happen. I think a lot of BIPOC students, we kind of washout in academia just because it is tough to be one of the only ones.

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

For me, it is the quality of the faculty at Fred Hutch and the UW. The majority of the faculty really are supportive. That is something that I wasn't expecting, to be honest. I thought they would lead me astray and I would just be adrift. I think that having supportive faculty was really helpful for my own personal growth and something that is unique, because I know that not everyone's experience has been the same.

In terms of struggles, there have been several. Now that I'm on the other side, I'm grateful to have gone through the tough times. The one thing that I will say is that even going through one of the more challenging parts of my PhD, I really do and did value the MCB community and staff that showed up for me and supported me through an unusual and trying time.

What are your future plans?

At this point, I intend to try for academia and a tenure track faculty position. As I was starting graduate school this was definitely not my goal. I think in the bigger context of race and science, one of the barriers is the lack of representation at the very top. I really want to help change, that and I think I could be of most service as a faculty member because I'm so passionate about increasing diversity in the sciences. I know what really helped me turn the corner and made me realize I could do science was when I met an African American woman with a PhD in the biomedical sciences when I was 24. Before then I never thought Black people could do that. I'm really passionate about what I do; regardless of if the faculty position works out or not, I definitely see myself still doing bench science in some capacity.

What are you doing to stay mentally

recruitment, specifically of BIPOC people. Having the opportunity to go to recruitment conferences and talk to prospective students on behalf of MCB was one of my greatest joys. Second to that was the connection that MCB made with [Salish Kootenai College](#) in Montana. Trying to foster a pipeline to encourage their undergrads to come to MCB for graduate school – that was really positive.

Since I started at the Hutch, I've been writing a lot of fellowship applications and trying to get my research going. One thing that I was recently asked to be involved in, which I'm excited about, is being part of an underrepresented minority (URM) Postdoc Recruitment Committee. Being a person of color and having lived here in Seattle for so long, I'm used to being one of a few.

healthy during COVID times?

What has kept me sane during the pandemic is my COVID pod. Since I live alone it was important for me to have that community. Still being able to come to work has been important to me- to still have that sense normalcy. It was very inconvenient not being able to work in the lab at the time when COVID hit, but it helped me rediscover my love for bench science and the work that I do.

Fun Fact:

My fun fact is kind of tragic. But I'm just going to share it anyway because it is funny, and everyone laughs at me. I was never taught, therefore I don't know how, to parallel park. I can't do it and I just don't it! It wasn't part of my driving test in Colorado. When I know there is parallel parking involved, I just take an Uber or my friends give me a ride.

University of Washington-Fred Hutch Molecular & Cellular Biology PhD Program's Virtual Recruitment



The 2022 [University of Washington-Fred Hutch Molecular and Cellular Biology](#) (MCB) PhD Program recruitment welcomed 79 recruits from 25 states! After last year's success

hosting recruitment in the Gather.town online platform due to pandemic precautions, the MCB team hosted multiple three-day online interactive visits for recruits on January 19–21 and February 2-4.

Providing both scientific and social interaction, MCB co-directors, Drs. Nina Salama, Celeste Berg, and incoming co-director Julian Simon, welcomed recruits, introducing them to life as an MCB student. Recruits connected with faculty during poster sessions, lightning talks and a series of individual interviews (480 in total) with 141 faculty from MCB institutions - UW, Fred Hutch, Benaroya Research Institute, Seattle Children's Research Institute, and Pacific Northwest Research Institute - offering the potential students the broad scope of MCB's scientific community. The MCB current student population shined while presenting their research, sharing their experiences in and out of the lab during student panels, hosting social nights and games, as well as supporting the recruits as mentors and guides. The visits were capped off with alumni, Drs. Amanda Bradley, Wendy Law, Patrick Mitchell, Molly OhAinle, Nathaniel Peters, and Semih Tareen, sharing their best MCB moments and their professional journeys in scientific administration, academia and biotech.

Coming Soon: Between Two Flasks YouTube Series



Former SURP intern Ricky Padilla-Del Valle (back-right) with mentor Nick Chesarino (back-left) and Robert Hood (front) filming Between Two Flasks

We are excited to announce the upcoming March 1 launch of the *Between Two Flasks* video series! The series leverages the expert advice of OET faculty, staff, and

trainees to answer the most-commonly asked questions from high school students, undergraduates, research technicians, and potential graduate students about navigating biomedical research education and careers. Be on the lookout for expert advice on successful internships from Harmit “let’s get ready to rumble” Malik and Ricky “won’t catch me sick” Padilla-Del Valle, and guidance on applying to graduate school from Maia “mom com” Low and Amy “the gene machine” Spens!

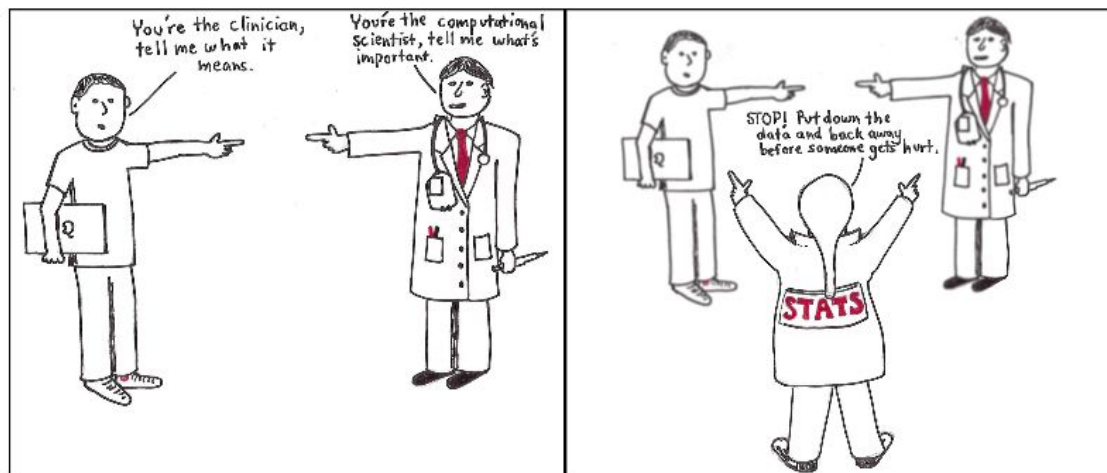
SciEd Programs Score New Funding

SARS-CoV-2 Vaccine Confidence Project

[Science Education Partnership](#) (SEP) received [supplemental funding](#) (\$50,000) from the National Institutes of Health (NIH) to develop resources related to inspiring vaccine confidence. SEP will partner with the [COVID-19 Prevention Network \(CoVPN\)](#), the [Office of Community Outreach and Engagement \(OCOPE\)](#) and [Arkitek](#) to develop and deliver informational videos that will explain the science of vaccine development and address common misconceptions. This is one of the few programs to-date at the NIH targeting the potential for education to P-12 and community audiences to fight distrust of the safety and value of vaccinations.

Partnering with *Black in Cancer* to Support Undergrads Historically Excluded in Cancer Research Education

The [Summer Undergraduate Research Program](#) (SURP) collaborated with Fred Hutch Philanthropy to secure donation funding to support five additional positions in the 2022 SURP for a cohort of Black undergraduate students. SURP is partnering with [Black in Cancer](#), a non-profit organization founded and championed by Black graduate students and postdoctoral fellows who are strengthening the network among Black people working in cancer, highlighting Black excellence in cancer research and medicine, and expanding the pipeline of Black cancer researchers. SURP looks forward to welcoming these five students to the Hutch in June and further developing their partnership with Black in Cancer!



Big Data Stalemate

REDPEN/BLACKPEN
<http://redpenblackpen.jstor.org>

Volunteer Opportunities

Washington State Opportunity Scholarship (WSOS)

WSOS is currently recruiting essay reviewers for their [Baccalaureate Scholarship \(BaS\)](#) program. If you would like to volunteer, you can access the [registration form](#) on our website.

As a volunteer, you can expect to:

- Spend an estimated 1-3 hours reviewing essays or short answers assigned to them.
- At the start of the essay review period, you'll receive a separate email with training materials and a rubric to guide you through the essay review process.
- All volunteers are **required** to review the rubric and training materials prior to beginning their reviews.

Essay review timeline:

- Registration deadline: February 23, 2022
- Review essays between March 7-16, 2022

Events & Programs

Fred Hutch-UW Cancer Consortium Corner | Partner Events

Wednesday, February 16, 2022

12:00 - 1:30 pm via Zoom
UW Institute of Translational Health Sciences
[Establish and Navigate a Research Career: Forging Your Own Path and Expecting the Unexpected](#)

Thursday, February 17, 2022

11:00am–1:00 pm via Zoom
UW Institute of Translational Health Sciences
[Networking to Enhance Development \(NED\) Conference](#)

Monday, February 28, 2022

Seattle Children's Office for Teaching, Education & Research
[SCRI Summer Scholars Program \(SSSP\)](#) application deadline

Tuesday, March 15, 2022

Fred Hutch-UW Cancer Consortium
 Submission deadline [Emerging Approaches in Cancer Basic Biology](#), Post-doctoral research symposium

Monday, April 25, 2022

2:00 - 6:00 pm in Pelton Auditorium
Fred Hutch-UW Cancer Consortium
[Emerging Approaches in Cancer Basic Biology](#), Post-doctoral research symposium and Happy Hour

Fall 2022 - schedule coming soon

UW Institute of Translational Health Sciences
[Grant Writing Course for Faculty](#)

Recent and Upcoming Events

February 1 - May 24, 2022

NIH Office of Interdepartmental Training and Education (OITE) [Raising a Resilient Scientist Series](#) for faculty and administrators who mentor students and postdocs

Friday, May 13, 2022

The annual Hutch United (HU) Symposium will highlight the science and/or the diversity, equity, and inclusion (DEI) work of its members and affiliates. Details coming soon. For more information, please contact HutchUnited@fredhutch.org

September 19 - 20, 2022

[Dr. Eddie Méndez Symposium](#)

Education Programs & Symposium Application Deadlines**Sunday, February 13, 2022**

[Exploration Program for Industry Careers \(EPIC\)](#)

Monday, February 28, 2022

[Pathways Undergraduate Researchers](#)

March 15 & March 31, 2022

[Hutch Fellowship for Excellence in STEM Teaching: application](#) due on March 15 and the Principal Commitment of Support Form is due on March 31

Wednesday, March 16, 2022

[Pathways Explorers](#)

Wednesday, March 30, 2022

[Hutch United Symposium](#)

Thursday, March 31, 2022

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

March 31 & April 14, 2022

[Science Education Partnership \(SEP\): application](#) due on March 31 and Recommendation Form due on March 31

Friday, April 1, 2022

[Dr. Eddie Mendez Post-Doctoral Research Symposium](#)

Newsletter contributors: Andrea Brocato, Carolina Chambers, Jeanne Chowning, Maura Do, Marilyn Drennan, and Hanako Osuga

The Fred Hutch OET houses programs committed to training the next generation of scientists. Our 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](#).

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