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CANCER CONSORTIUM NEWS

December 2020

2021 FUNDING OPPORTUNITIES

Mark your calendars! The Fred Hutch/University of Washington Cancer Consortium (“The Consortium”) **2021 Pilot Award Competition** will open in January 2021. These funds are available to Consortium members at all levels of faculty rank to propel a novel area of research. Project topics must be focused on cancer etiology, prevention, diagnosis, and/or treatment.

RFA Release Date: Monday, January 4, 2021

Application Due Date: Friday, March 5, 2021

Follow this [link](#) for information about previous awards.

2021 Catchment Area Health Pilot Awards - Currently Accepting Applications

Funds are available to support cancer-related pilot projects to increase cancer research that engages basic scientists and fosters the participation of community partners. The research plan should address basic research on cancers relevant to the catchment area. Pilot grants must have at least one basic scientist as a named investigator and be relevant to cancer in the Consortium’s 13-county catchment area. Direct costs should be no more than \$80,000. Follow this [link](#) for details.

Want to learn more? Join us on Tuesday, December 8th from 8:30 AM – 12:15 PM for a virtual Transdisciplinary Research Retreat with basic, clinical, and population science researchers to catalyze ideas! Registration at <https://redcap.link/2020ForumRegistration>.

RFA Release Date: Thursday, November 12, 2020

Application Due Date: Friday, January 15, 2021

ENGAGEMENT



Supporting Indigenous Communities

Indigenous (American Indian/Alaska Native) communities are suffering from COVID-19 at an extremely disproportionate rate, further exacerbating existing health disparities. The Office of Community Outreach & Engagement is partnering with the University of Washington's School of Social Work, Seven Directions and the Indigenous Wellness Research Institute on a personal protective equipment (PPE) drive for the health care facilities and programs that support Indigenous communities, including Washington State and Urban Indian health centers serving Indigenous people. They are currently raising funds to secure high need items, such as N-95 masks, hand sanitizer, disposable gowns, and disinfecting wipes, as identified by community partners.

Please consider donating at <http://engage.fredhutch.org/goto/ppe>. This opportunity to support communities' current efforts is a great example of the relationship building that comes from the Consortium listening to community needs and striving to address those needs.

As the Office of Community Outreach & Engagement has pivoted from in person to virtual outreach and education, they have launched a monthly podcast series entitled, "Cancer Health Equity NOW". Check out the November episode, "Representation Matters", which engages Indigenous colleagues from the Consortium during Native American Heritage Month. <https://cancerhealthequitynow.libsyn.com/>.

2021 Community Grant-writing Workshop

The Office of Community Outreach & Engagement (OCOE) is planning to host its annual community grant-writing workshop in late January/early February 2021. The event will be virtual. The purpose of this opportunity is to strengthen relationships between the Consortium's outreach and research programs with diverse racial, ethnic and underserved communities in Washington State. If you know of community-based organizations working to serve the needs of diverse, racial, ethnic, and/or underserved communities, who could benefit from this opportunity, send OCOE an email at EndDisparities@fredhutch.org.

FROM THE CONSORTIUM SHARED RESOURCES

Steam Plant Shared Resources

Shared Resources is excited to announce that the Immune Monitoring core and Flow Cytometry expansion are open and ready to serve your research needs!

[Flow Cytometry Core](#) expansion is located on the first floor in the northwest corner, S1-224, and has a new main number at the Steam Plant: (206) 667-1221.

The expansion allows more opportunities to schedule in Flow and convenience for the end-user. Both locations have similar instrument capabilities. If you have direct questions, reach out to flowcytometry@fredhutch.org.

[Immune Monitoring Core](#) has fully transitioned from the Thomas Building to the Steam Plant. To find us, badge in at Eastlake's main entrance, use the elevator behind the reception to the fifth floor. The core location is down the hall in S5-101, and [Dr. Cao's](#) office is S5-141.

Genomics & Bioinformatics Shared Resource

The [Genomics Shared Resource](#) has added the Illumina NextSeq 2000 sequencing platform to the facility. The NextSeq offers a single lane patterned flow cell and two dye sequencing chemistry similar to the NovaSeq. Output is currently up to 400 million read pairs with 100, 200, and 300 cycle sequencing kits available. Improved instrument efficiency and reagent packaging provide a ~25% cost reduction when compared to HiSeq 2500 Rapid runs.

For more information, please contact the Genomics Resource at genomics@fredhutch.org.

Prevention Center Shared Resource

New Equipment: The Prevention Center Shared Resource (PCSR) has acquired a Platinum Elite Series Body Plethysmograph for measuring comprehensive body plethysmography. Services will include Spirometry (FVC, SVC, MVV) as well as diffusing capacity for carbon monoxide (DLCO). The Platinum Elite is more efficient than a standard "body box" because of the contours designed to provide comfort to the research participant while offering a smaller footprint.



New Service: The PCSR Research Clinic has also piloted the processing of [Tasso](#) serum samples, as part of our service for a pilot study headed by Dr. Heather Greenlee. Investigators interested in validation studies of the device against venous draws or dried blood spot measurements is welcome to contact us to discuss options.

Vaccine Study: Earlier this month Dr. Julie McElrath's AstraZeneca vaccine study launched utilizing a space usage agreement with the PCSR for exam, interview, and conference room space for their Hutch-based study operations. The PCSR continues to maintain rigorous COVID-19 safety standards and operations, with regular notifications to

FROM THE INTEGRATED RESEARCH CENTERS



Save the Date for these 2021 Retreats

- **Monday, April 19, 2021** from 9am – 12pm: Annual Immunotherapy IRC and Consortium Cancer Immunology Research Program Virtual Retreat
- **Monday, April 26, 2021** from 9am-12pm: Annual TDS IRC and Consortium Biostatistics and Computational Biology Research Program Virtual Retreat
- **Wednesday, May 12, 2021** from 9am – 12pm: Annual PAM IRC and Consortium Pathogen Associated Malignancies Research Program Virtual Retreat

For more information, please contact, Becca Jourdan at rjourdan@fredhutch.org

FROM SEATTLE TRANSLATIONAL TUMOR RESEARCH (STTR)

Oncoscape: A powerful data visualization tool

As many of you know, Oncoscape - <https://oncoscape.sttrcancer.org/#/>, developed by STTR, is a powerful data visualization tool that allows connections to be uncovered between molecular data, patient data, and clinical timelines. Thanks to the work of Matt Jensen and others, cohorts can be easily created by specifying ranges or by visual selection, then compared with each other to see how mutational burden or survival differs between groups. Investigators can cluster patients by gene expression, genetic mutations or other “omic” information, then select and color code them by clinical values or other categorical variables of interest. In our updated timelines tool for visualizing clinical data across cohorts of patients, it is now possible to visualize patients that failed to respond to one drug, but later responded to something else. Many of these features are being tested on our development site and will be released into production early next year.

If investigators are interested in uploading their own research data for exploration or if you would like to learn more about Oncoscape get in touch with us:

oncoscape@fredhutch.org

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