A variety of funding opportunities and announcements is below for the period 08/13/22-08/25/22. While we attempt to capture a broad cross-section of funding opportunities related to public health, the Harvard T.H. Chan School of Public Health community can also access several proprietary funding opportunity search engines that help develop and automate customized funding opportunity searches.

**Featured News and Announcements**

**NEW NOSI: Limited Submission – NIH: NCI Pathway to Independence Award for Outstanding Early-Stage Postdoctoral Researchers (K99/R00)**

Internal deadline: September 30, 2022
Sponsor deadline: February 28, 2023 (anticipated)

This program is for postdoctoral fellows with research and/or clinical doctoral degrees who do not require an extended period of mentored research training beyond their doctoral degrees and who have less than 2 years of postdoctoral research experience by the sponsor deadline. The objective of this award is to facilitate a timely transition of these fellows from their mentored, postdoctoral research positions to independent tenure-track (or equivalent) faculty positions. The program will provide independent NCI research support during this transition to help awardees to launch competitive, independent research careers. Researchers in the scientific areas of data science and cancer control science are especially encouraged to apply, specifically:

- **Data Science**: For the purposes of this K99/R00 award, data science is defined as an interdisciplinary field of inquiry in which quantitative and analytical approaches, processes, and systems are both developed and used to extract knowledge and insights from increasingly large and/or complex sets of data. This includes cancer-focused data integration and visualization, systems biology, artificial intelligence, machine learning, informatics, genomics, precision oncology, and developing analytics for epidemiological or biostatistical studies.

- **Cancer Control Science**: For the purposes of this award, cancer control science is defined as basic and applied research in the behavioral, social, and population sciences to create or enhance interventions that, independently or in combination with biomedical approaches reduce cancer risk, incidence, morbidity, and mortality, and improve quality of life. This includes research in epidemiology, behavioral sciences, health services, surveillance, cancer survivorship, and healthcare policy.

- **Other Sciences**: For the purposes of this K99/R00 award, "Other Sciences" includes all scientific fields supported by the NCI that are not included in (A) or (B). Applicants proposing research in (C) "Other Sciences" may apply only if it is reasonable to expect them to transition to independence with an abbreviated period of mentored research training beyond their original doctoral degrees.

If you are interested in applying for this award, please submit the following to the Office of Research Strategy and Development (albrown@hsph.harvard.edu) no later than September 30, 2022: PI name, department, and a brief (1-2 sentence) description of the proposed project. Based on the number of notices received, we will determine whether an internal competition is needed.
*NEW: Internal Coordination Required: Massachusetts Life Sciences Center: 2023 Capital Programs*

Internal deadline: September 2, 2022; Sponsor deadline: November 18, 2022

**Bits to Bytes:** grants for scientific projects that generate and analyze large datasets to answer pressing life science questions, and to attract and train data scientists in the Commonwealth.

**Novel Therapeutics Delivery:** capitalize and incentivize translational projects to address complex challenges in “therapeutic” delivery—from biomanufacturing, to targeted delivery, to biomaterials, etc.

**Research Infrastructure:** grants for capital projects that support the life sciences ecosystem in Massachusetts by enabling and supporting life sciences research and development.

If you are interested in applying to one of these programs, you must submit a brief Notice of Intent including PI name, department, and a brief (1-2 sentence) description of the proposed project to the Office of Research Strategy and Development (esyvester@hsph.harvard.edu) no later than 9/2/22.

To learn more about these capital programs, register for one of three informational sessions the MLSC staff will be hosting:
- Sept. 16, 2022 at 11:30 a.m. – Register now
- Sept. 26, 2022 at 2 p.m. – Register now
- Oct. 13, 2022 at 10:30 a.m. – Register now

***

*NEW: Massachusetts Life Sciences Center (MLSC): Women’s Health Innovation Program*

This year the MLSC will launch three programs in the Women's Heath space:

**First Look Awards, Women's Health Innovation Grants, Women's Health Capital Program.**

The application portal will be open from **October 3, 2022 to January 12, 2023.**

To learn more about these programs, register for one of three informational programs:
- September 16, 2022 at 11:30 a.m. – Register now
- September 26, 2022 at 2 p.m. – Register now
- October 13, 2022 at 10:30 a.m. – Register now

***

The Harvard Chan Bioinformatics Core (HBC) is excited to announce the Summer and Fall 2022 schedule for the **Current Topics in Bioinformatics** series. These **free, hands-on** workshops are available to all **Harvard affiliates** and cover a variety of **bioinformatics topics & related skills.** All workshops are currently held remotely via Zoom. All workshops will require you to have a computer available and the preparation instructions completed. **More info here. Questions: hbctraining@hsph.harvard.edu**

**Summer Online RDM Mini-Workshops**

Free, open sessions where data experts provide their insights and services to help you write and implement a successful DMP.

**Oops! (I Did It Again): Issues with Human Subjects Research Data**

Wednesday, August 31, 12:00pm-12:30pm

The Harvard Chan School Quantitative Biomedical Research Center (QBRC) has expanded its services to include research software engineering. They can assist with software design, implementation, optimization, refactoring, and maintenance, cloud computing, data management, data visualization, software package management, and more. Please see their webpage for more information.
NOTE: When applying for external awards, PIs and grant managers should closely review the terms and conditions for potential conflicts. Any questions should be referred to Harvard Chan School SPA. In addition, ALL sponsored proposals must be reviewed by SPA 7 days before the sponsor due date, so please allow appropriate lead time to work with your grant manager prior to the SPA deadline. Additional information on SPA proposal development policies can be found here.

**NEW NOSI: Limited Submission – NIH: NCI Pathway to Independence Award for Outstanding Early-Stage Postdoctoral Researchers (K99/R00)**

Internal deadline: September 30, 2022
Sponsor deadline: February 28, 2023 (anticipated)

This program is for postdoctoral fellows with research and/or clinical doctoral degrees who do not require an extended period of mentored research training beyond their doctoral degrees and who have less than 2 years of postdoctoral research experience by the sponsor deadline. The objective of this award is to facilitate a timely transition of these fellows from their mentored, postdoctoral research positions to independent tenure-track (or equivalent) faculty positions. The program will provide independent NCI research support during this transition to help awardees to launch competitive, independent research careers.

Researchers in the scientific areas of data science and cancer control science are especially encouraged to apply, specifically:

- **Data Science**: For the purposes of this K99/R00 award, data science is defined as an interdisciplinary field of inquiry in which quantitative and analytical approaches, processes, and systems are both developed and used to extract knowledge and insights from increasingly large and/or complex sets of data. This includes cancer-focused data integration and visualization, systems biology, artificial intelligence, machine learning, informatics, genomics, precision oncology, and developing analytics for epidemiological or biostatistical studies.

- **Cancer Control Science**: For the purposes of this award, cancer control science is defined as basic and applied research in the behavioral, social, and population sciences to create or enhance interventions that, independently or in combination with biomedical approaches reduce cancer risk, incidence, morbidity, and mortality, and improve quality of life. This includes research in epidemiology, behavioral sciences, health services, surveillance, cancer survivorship, and healthcare policy.

- **Other Sciences**: For the purposes of this K99/R00 award, "Other Sciences" includes all scientific fields supported by the NCI that are not included in (A) or (B). Applicants proposing research in (C) "Other Sciences" may apply only if it is reasonable to expect them to transition to independence with an abbreviated period of mentored research training beyond their original doctoral degrees.

If you are interested in applying for this award, please submit the following to the Office of Research Strategy and Development (albrown@hsph.harvard.edu) no later than September 30, 2022: PI name, department, and a brief (1-2 sentence) description of the proposed project. Based on the number of notices received, we will determine whether an internal competition is needed.

*NEW: Internal - Blavatnik Biomedical Accelerator at Harvard University: Pilot Grants*

Deadline (two cycles): September 20, 2022 (pre proposal); January 16, 2023 (pre proposal)

Pilot Grants are intended to support proof-of-concept activities that (if successful) would establish a basis for a subsequent Development Grant proposal. For example: Confirmation that candidate therapeutic compounds or biologics demonstrate target-specific biological activity; Demonstration that a candidate vaccine antigen or technology elicits a functional immune response in a suitable animal model;
Demonstration that a candidate biomarker detection method is appropriately sensitive and specific under ideal lab conditions; In vitro development and validation of a therapeutic delivery platform.

*NEW: Internal - Blavatnik Biomedical Accelerator at Harvard University: Development Grants
Deadline: January 16, 2023
Development Grants will be funded at a maximum of $300k for a period of up to 24 months. Development Grants are expected to generate partnerable technology within the proposed timeframe. For example: Optimization, efficacy testing, and preclinical evaluation of lead therapeutic molecules or biologics; Demonstration that a candidate vaccine elicits protection against challenge, formulation/stability studies; Validation of a biomarker and an appropriately sensitive and specific detection method using clinical samples, correlation of biomarker status with clinical outcomes; and In vivo validation of a therapeutic delivery platform.

*NEW: Massachusetts Life Sciences Center (MLSC): Women's Health Innovation Program
This year the MLSC will launch three programs in the Women’s Heath space:

**First Look Awards:** The First Look Awards are a collaboration between the Massachusetts Life Sciences Center (MLSC) and the Mary Horrigan Connors Center for Women’s Health and Gender Biology at Brigham and Women’s Hospital (BWH). The goal of this grant program is to support translational research at Massachusetts research institutions that furthers our understanding of sex and gender differences especially for diseases or conditions that affect women exclusively, predominately, or differentially.

**Women’s Health Innovation Grants:** These Grants are aimed at innovations that have translational potential, preliminary supporting data, but still require a key set of proof of concept experiments prior to attracting a commercial partner or spinning out into a new company.

**Women’s Health Capital Program:** The Women’s Health Program will support collaborative projects that aim to improve the discovery, technical innovation, and/or analysis of datasets to answer pressing life science questions around women’s health.

The application portal will be open from October 3, 2022 to January 12, 2023. Individual deadlines and links to be updated then (links below from last year’s award).

*NEW: Internal Coordination Required: Massachusetts Life Sciences Center: 2023 Capital Programs
Internal deadline: September 2, 2022
Sponsor deadline: November 18, 2022
If you are interested in applying to one of the programs below, you must submit a brief Notice of Intent including PI name, department, and a brief (1-2 sentence) description of the proposed project to the Office of Research Strategy and Development (esylvester@hsph.harvard.edu) no later than 9/2/22.

**Bits to Bytes:** grants for scientific projects that generate and analyze large datasets to answer pressing life science questions, and to attract and train data scientists in the Commonwealth.

**Novel Therapeutics Delivery:** capitalize and incentivize translational projects to address complex challenges in “therapeutic” delivery—from biomanufacturing, to targeted delivery, to biomaterials, etc.
Research Infrastructure: grants for capital projects that support the life sciences ecosystem in Massachusetts by enabling and supporting life sciences research and development.

Deadline: October 12, 2022
This CFP aims to fund research on how COVID-19-related relief and recovery policies, and now the post-pandemic recession, impact child health and well-being. HER is interested in understanding how pandemic-driven social and economic programs and policies related to poverty reduction—such as financial payments to families, income assistance programs, housing assistance or housing security programs, and increased access to social services—impact child obesity, diet quality, food and nutrition security, and other relevant child and family health outcomes among lower-income families and populations of color.

*NEW: American Lung Association: Public Policy Research Award
Deadline: December 15, 2022
This award supports research on and evaluation of existing public policy and programs, as well as pilot and demonstration projects that inject innovative ideas and provide evidence for the development of new public policies impacting lung health.

*NEW: American Lung Association: Dalsemer Research Grant
Deadline: December 15, 2022
This Grant is a mentored award meant to provide seed monies to junior investigators on the path to independence for researching the

*NEW: American Lung Association: Catalyst Award
Deadline: December 15, 2022
This mentored award supports outstanding investigators on the path to independence for research into the mechanisms of lung disease and general lung biology. Preference is given to projects that are novel; innovative in design/approach; utilize modern technologies; and incorporate a multidisciplinary collaborative training plan.

*NEW: American Lung Association: COVID-19 and Emerging Respiratory Viruses Research Award
Deadline: September 15, 2022
This award seeks applications that address the following types of clinical, basic, translational, and population health questions:
- A new understanding of the basic biology of respiratory viruses that could lead to better treatment and prevention
- Understanding host factors that alter response to these infections
- Understanding individual, regional, or social factors increasing or decreasing community spread of COVID-19 and other respiratory viruses
- Case tracking and epidemiological approaches to understanding COVID-19 and other respiratory viruses

*NEW: American Lung Association: Allergic Respiratory Diseases Award
Deadline: December 15, 2022
Research is crucial to a future where lung disease no longer threatens the health of our families and friends. The American Lung Association and the American Academy of Allergy, Asthma & Immunology (AAAAI) Allergic Respiratory Diseases Research Award represents a joint effort to encourage and support applicants holding a primary faculty appointment in a Clinical Allergy and Immunology Division conducting research into advancing the understanding of allergic respiratory disease. One of goals of this collaboration is to fund researchers at important crossroads of their careers.

*NEW: American Lung Association: Innovation Award:
Deadline: December 15, 2022
This award is intended to support highly promising investigators with stellar track records of accomplishment, who have the potential to advance the field of lung disease science.

*NEW: American Lung Association: Lung Cancer Discovery Award
Deadline: September 15, 2022
The Lung Cancer Discovery Award is for highly meritorious research projects with the potential to:
- Significantly improve and transform diagnostic and therapeutic paradigms;
- Foster innovation, use novel approaches; and/or
- Accelerate progress in lung cancer research that improves patient care and helps save lives.

*NEW: Pfizer: Global Medical Grants: Global Obesity ASPIRE
Deadline: October 11, 2022 (LOI)
This RFP support research projects focused on: Pathophysiology and biology of overweight and obesity; understanding obesity as a disease; and Utilizing retrospective databases, generate evidence of optimal management of obesity and co-existing comorbid conditions.

*NEW: Alpha-1 Foundation: Pilot and Feasibility Grants
Deadline: September 30, 2022
This grant provides funds for the development and testing of new hypotheses and/or new methods in research areas relevant to AAT Deficiency. Proposed work must be hypothesis generating or hypothesis testing, reflecting innovative approaches to important questions in AAT research or development of novel methods, and providing sufficient preliminary data to justify the Foundation’s support. Results from Pilot and Feasibility Grants should lead to the submission of applications for funding from other agencies (i.e. NIH).

*NEW: Alpha-1 Foundation: Research Grants
Deadline: September 30, 2022
This grant provides funds for the development of new information that contributes to the understanding of the basic biology of alpha-1 antitrypsin expression, and the pathogenesis/management of AAT Deficiency. In addition, consideration will be given to those projects that provide insight into the development of information that may contribute to new therapies for AAT Deficiency. All proposals must be hypothesis generating or hypothesis testing and provide sufficient preliminary data to justify the Alpha-1 Foundation’s support.

*NEW: Alpha-1 Foundation: In-Cycle Grant Opportunities: Postdoctoral Research Fellowship Grant
Deadline: September 30, 2022
this grant category is intended to provide support for postdoctoral research fellows who intend to pursue a career in AAT research. It provides support for postdoctoral research fellows who are starting their
research careers and are working in the laboratories of established researchers or conducting research with the mentorship of established researchers.

**National Institutes of Health**

**Limited Submission - NIH: National Institute of Allergy and Infectious Diseases (NIAID) Clinical Data and Safety Management Center (CDSMC) (U01 Clinical Trial Not Allowed)**

- **Internal deadline:** August 26, 2022
- **Sponsor deadline:** November 30, 2022

If you are interested in applying for this award, you must submit a brief Notice of Intent including PI name, department, and a brief (1-2 sentence) description of the proposed project to the Office of Research Strategy and Development (esylvester@hsph.harvard.edu) no later than August 26, 2022. Based on the number of notices received, we will determine whether an internal competition is needed.

*NEW: NIH: Laboratory of Developmental Biology (R24 Clinical Trial Not Allowed)*

- **Deadline:** 11/3/2022

*NEW: NIH: AHRQ Conference Grant Programs (R13)*

- **Deadline:** 11/1/2026

*NEW: NIH: Integrative Research to Understand the Impact of Sex Differences on the Molecular Determinants of AD Risk and Responsiveness to Treatment (U01 Clinical Trial Optional)*

- **Deadline:** 2/22/2025

*NEW: NIH: Javits Neuroscience Investigator Award Extension Request (Type 4 Clinical Trial Optional)*

- **Deadline:** 10/3/2025

*NEW: NIH: NICHD Research Education Programs (R25 Clinical Trial Not Allowed)*

- **Expires:** 5/26/2025

*NEW: NIH: The Early Detection Research Network: Clinical Validation Centers (U01 Clinical Trial Optional)*

- **Deadline:** 9/20/2022

*NEW: NIH: MPRINT Translational Research Resource Platform (TRRP) (U24 Clinical Trial Not Allowed)*

- **Deadline:** 12/2/2022

*NEW: NIH: Limited Submission - The NCI Predoctoral to Postdoctoral Fellow Transition Award (F99/K00 Clinical Trial Not Allowed)*

- **Deadline:** 11/19/2022

*NEW: NIH: Practice-Based Research Integrating Multidisciplinary Experiences in Dental Schools (PRIMED) (U01 Clinical Trial Not Allowed)*

- **Deadline:** 2/25/2023
*NEW: NIH: Chemical Countermeasures Research Program (CCRP) Initiative: Basic Research on The Deleterious Effects of Acute Exposure to Ultra-Potent Synthetic (UPS) Opioids (R01 Clinical Trial Not Allowed)
Deadline: 11/20/2024

*NEW: NIH: HEAL Initiative: Development and validation of virtual assessments to study children and caregivers in their natural environment (R01- Clinical Trial Not Allowed)
Deadline: 2/4/2023

*NEW: NIH: HEAL Initiative: Development and validation of virtual assessments to study children and caregivers in their natural environment (R01- Basic Experimental Studies with Humans Required)
Deadline: 2/8/2023

*NEW: NIH: Fostering Mental, Emotional, and Behavioral (MEB) Health Among Children in School Settings: Opportunities for Multisite Trials of Complementary and Integrative Health Interventions (Clinical Trial Optional)
Deadline: 10/29/2022

*NEW: NIH: Training Award to Promote Cross-Training in the Fields of Traumatic Brain Injury (TBI) as a Risk Factor for Alzheimer's Disease/Alzheimer's Disease Related Dementias (AD/ADRD) (K18 Clinical Trial Not Allowed)
Deadline: 11/5/2022

*NEW: NIH: Consortium on Translational Research in Early Detection of Liver Cancer: Data Management and Coordinating Center (U24 Clinical Trial Not Allowed)
Deadline: 11/8/2022

*NEW: NIH: Consortium on Translational Research in Early Detection of Liver Cancer: Translational Research Centers (U01 Clinical Trial Optional)
Deadline: 11/8/2022

*NEW: NIH: Radiation Oncology-Biology Integration Network (ROBIN) Centers (U54 Clinical Trial Required)
Deadline: 10/4/2022

*NEW: NIH: Research Resource Center to Build an Open-Access Repository and Database for Anatomical and Physiological Correlates of Acupoints (U24, Clinical Trial Optional)
Deadline: 12/1/2022

*NEW: NIH: Cancer Adoptive Cellular Therapy Network (Can-ACT) for Adult Cancers (UG3/UH3 Clinical Trial Required)
Expires: 7/1/2023

*NEW: NIH: Cancer Adoptive Cellular Therapy Network (Can-ACT) Coordinating Center (U24 Clinical Trial Not Allowed)
Expires: 10/29/2022
*NEW: NIH: Cancer Adoptive Cellular Therapy Network (Can-ACT) for Pediatric Cancers (UG3/UH3 Clinical Trial Required)  
Expires: 7/1/2023

*NEW: NIH: Optimization of Genome Editing Therapeutics for Alzheimer's Disease and Alzheimer's Disease-Related Dementias (AD/ADRD) (U01 - Clinical Trials Not Allowed)  
Expires: 12/1/2022

*NEW: NIH: Drug Induced Liver Injury Network (DILIN) Clinical Centers (U01 - Clinical Trial Optional)  
Expires: 10/28/2022

*NEW: NIH: Limited Competition for the Continuation of the Drug Induced Liver Injury Network Data Coordinating Center (DILIN) (U01 - Clinical Trial Not Allowed)  
Expires: 10/28/2022

*NEW: NIH: Limited Competition for the Continuation of the APOL1 Long-term Kidney Transplantation Outcomes Network Scientific and Data Research Center (APOLLO SDRC) (Collaborative U01 - Clinical Trial Not Allowed)  
Expires: 10/27/2022

*NEW: NIH: Exploratory/Developmental Grants Related to the World Trade Center Health Program (R21)  
Expires: 12/12/2022

*NEW: NIH: Continuation of the APOL1 Long-term Kidney Transplantation Outcomes Network (APOLLO) Clinical Centers (Collaborative U01 - Clinical Trial Not Allowed)  
Expires: 10/27/2022

*NEW: NIH: HEAL Initiative: Translational Development of Diagnostic and Therapeutic Devices (R18 Clinical Trial Not Allowed)  
Expires: 6/18/2025

*NEW: NIH: REsearch Across Complementary and Integrative Health Institutions (REACH) Virtual Resource Centers (U24 Clinical Trial Not Allowed)  
Expires: 11/11/2022

*NEW: NIH: Maintaining Immunity after Immunization (U01 Clinical Trial Not Allowed)  
Expires: 1/14/2023

*NEW: NIH: Physiomimetics and Organoids for Reproductive Health (R01 Clinical Trial Not Allowed)  
Expires: 3/30/2023

*NEW: NIH: Physiomimetics and Organoids for Reproductive Health (R21 Clinical Trial Not Allowed)  
Expires: 3/30/2023

Previously Announced Internal & Limited Submission Opportunities
See the Funding Announcement Archives for a list of ALL previously announced opportunities.
Limited Submission: NSF Major Research Instrumentation Program (MRI)
Internal deadline: September 19, 2022
Sponsor deadline: January 19, 2023
This program serves to increase access to multi-user scientific and engineering instrumentation for research and research training in our Nation's institutions of higher education and not-for-profit scientific/engineering research organizations. There are two tracks: Track 1 - Greater than or equal to $100,000 and less than 1,000,000; and Track 2- Greater than or equal to $1,000,000 and up to $4,000,000. Harvard University, as one institution, can nominate 3 proposals with no more than two submissions in Track 1 and no more than one submission in Track 2. If you are interested in applying, you must submit a brief Notice of Intent including PI name, department, and a brief (1-2 sentence) description of the proposed project to the Office of Research Strategy and Development (esylvester@hsph.harvard.edu) no later than September 19, 2022.

Internal Coordination Required: Banting Postdoctoral Fellowship
Internal deadline: September 6, 2022
Sponsor deadline: September 21, 2021
The Banting Postdoctoral Fellowship, offered by the Government of Canada, provides two-year fellowships to eligible postdoctoral students nationally and internationally. While there are no limits to the number of applications to this opportunity, and eligibility is limited to postdocs, the application requires a letter signed by the Office of the Vice Provost for Research. Applicants requesting an Institutional Letter of Endorsement are asked to provide the Office of the Vice Provost for Research with a copy of their proposed Supervisor's Statement. The hyperlink above will bring you to the application portal, where you can find more information on award eligibility and internal coordination requirements.

Internal Funding: The Harvard Data Science Initiative Faculty Special Projects Fund
Deadline: Applications accepted throughout the year.
This fund provides one-time support of up to $5,000 for data science opportunities for which other funding is not readily available.

Internal Funding: Harvard's Solar Geoengineering Research Program
Deadline: Applications accepted on a rolling basis.
Harvard’s Solar Geoengineering Research Program (SGRP) invites faculty and researchers throughout Harvard to apply for grants. No prior experience in solar geoengineering required. The goal of the program is to: Take an active stance on research with a unique mandate to develop NEW: path-breaking technologies that might improve solar geoengineering’s effectiveness and reduce its risks; Employ Harvard’s convening power to bring together scientists, environmental leaders, and government officials to discuss the technology and its governance.