

Opportunity Title: HHS Lyme Innovation Fellowship
Opportunity Reference Code: HHS-OASH-2023-0063

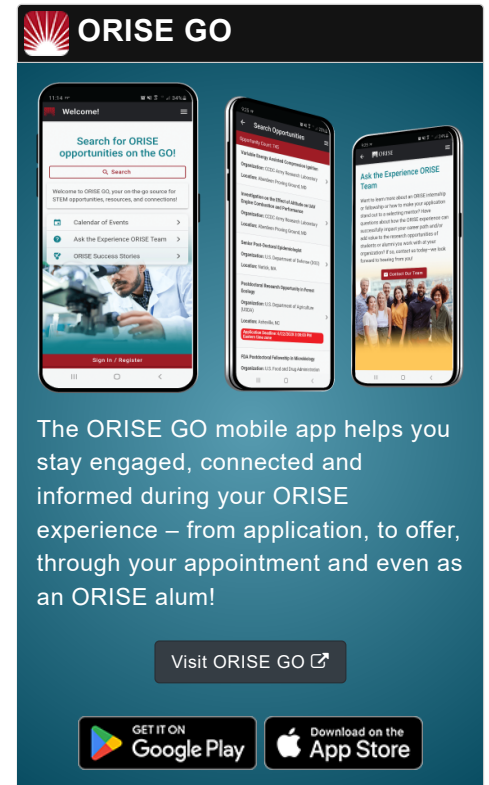
Organization	U.S. Department of Health and Human Services (HHS)
Reference Code	HHS-OASH-2023-0063
How to Apply	<p>Connect with ORISE...on the GO! Download the new ORISE GO mobile app in the Apple App Store or Google Play Store to help you stay engaged, connected, and informed during your ORISE experience and beyond!</p> <p>A complete application consists of:</p> <ul style="list-style-type: none"> • An application • Transcripts – Click here for detailed information about acceptable transcripts • A current resume/CV, including academic history, employment history, relevant experiences, and publication list • One educational or professional recommendation. Your application will be considered incomplete, and will not be reviewed until one recommendation is submitted. <p>All documents must be in English or include an official English translation.</p>
Application Deadline	5/8/2023 3:00:00 PM Eastern Time Zone
Description	<p>*Applications will be reviewed on a rolling-basis.</p>

HHS Office and Location: A fellowship is available within the Office of the Assistant Secretary for Health (OASH), with the InnovationX Team, at the U.S. Department of Health and Human Services (HHS) located in Washington, D.C.

The mission of the U.S. Department of Health and Human Services (HHS) is to enhance the health and well-being of all Americans, by providing for effective health and human services and by fostering sound, sustained advances in the sciences underlying medicine, public health, and social services.

Within HHS, the mission of OASH InnovationX is to build a healthier, more equitable nation using the power of open innovation, partnerships, and technology for exponential impact. OASH InnovationX is a small and diverse team of scientists, technologists, and out-of-the-box innovators working to drive partnerships and innovation in public health, including crowdsourcing, citizen science, prizes, and challenges. InnovationX also scales internal innovations through interagency collaborations, including partnerships with DARPA and NASA. Current portfolios include Lyme Innovation and LymeX, KidneyX, and Human-Centered Innovation.

Research Project: InnovationX applies the tools of open science, human-centered design, and data-driven innovation to accelerate progress in treating complex, multi-systemic, often invisible conditions. Opportunities include coordinating design and development of sprints, prize challenges, hackathons, and other public-private innovation initiatives.



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Lyme disease is the fastest-growing vector-borne disease in the United States, accounting for over 70% of all vector-borne disease domestically. Lyme disease is the most common tickborne disease, yet there are at least 20 different infections that are transmitted by ticks in the United States. The CDC estimates that [approximately 476,000 Americans are diagnosed and treated for Lyme disease each year](#). Due to climate change, habitat loss, and other land-use changes, humans face greater risk today than historically because of increased exposure risks to tick bites that transmit vector-borne diseases. Our team's recent accomplishments in this portfolio include completing Phase I of the LymeX Diagnostics Prize, which awarded \$1M to inventors of innovative detection methods.

Under the guidance of a mentor, the fellow would collaborate and communicate with cross-cutting, multidisciplinary teams of public health professionals, private sector technologists, medical practitioners, and federal employees to identify and explore new treatment possibilities for millions of Americans suffering from Lyme disease.

Learning Objectives: Under the guidance of a mentor, the participant will be trained in the following activities:

- New skills and techniques from federal, private, and academic partners on applying novel open innovation approaches to addressing American health challenges
- Techniques for successful public-private collaboration
- How to apply scientific/technical communication skills to brief non-technical audiences, including executive-level briefings
- How to interpret and apply policy decisions to day-to-day program execution
- How to apply strategic thinking and leadership skills to diverse, interdisciplinary working groups

Mentor(s): The mentor for this opportunity is Kristen Honey (Kristen.Honey@hhs.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: **May 1, 2023.** Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for one year, but may be renewed upon recommendation of HHS and is contingent on the availability of funds.

Level of Participation: The appointment is full-time.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience.

Citizenship Requirements: This opportunity is available to U.S.

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citizens only.

ORISE Information: This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and HHS. Participants do not become employees of HHS, DOE or the program administrator, and there are no employment-related benefits. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE.

The successful applicant(s) will be required to comply with Environmental, Safety and Health (ES&H) requirements of the hosting facility, including but not limited to, COVID-19 requirements (e.g. facial covering, physical distancing, testing, vaccination).

Questions: Please visit our [Program Website](#). After reading, if you have additional questions about the application process please email HHSrpp@orau.org and include the reference code for this opportunity.

Qualifications

The qualified candidate should be currently pursuing or have received a master's or doctoral degree in one of the relevant fields. Degree must have been received within the past five years.











Preferred Skills:

- Excellent writing and scientific/technical communication skills to brief non-technical audiences, including executive-level briefings
- Experience working with multimedia and social media for use for public outreach
- Demonstrated leadership skills and experience leading diverse, interdisciplinary groups
- Excellent strategic planning with critical thinking and problem-solving skills
- Demonstrated project management skills with ability to develop and execute multi-pronged strategies with concurrent, interdependent activities
- Familiarity or previous experience using human-centered design methods
- Demonstrated ability to transform policy, science, and data into real-world impact
- Experience coordinating cross-functional teams to deliver solutions in fast-moving, novel problem spaces, such as a startup or research environment
- Experience in community-building

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**

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- **Business** (6 )
- **Chemistry and Materials Sciences** (4 )
- **Communications and Graphics Design** (2 )
- **Computer, Information, and Data Sciences** (2 )
- **Earth and Geosciences** (1 )
- **Engineering** (6 )
- **Environmental and Marine Sciences** (10 )
- **Life Health and Medical Sciences** (26 )
- **Mathematics and Statistics** (2 )
- **Social and Behavioral Sciences** (4 )