

**Opportunity Title:** CDC Cancer Surveillance and Researcher Analysis Fellowship

- Division of Cancer Prevention and Control

**Opportunity Reference Code:** CDC-NCCDPHP-DCPC-2023-0170

**Organization** Centers for Disease Control and Prevention (CDC)

**Reference Code** CDC-NCCDPHP-DCPC-2023-0170

**How to Apply** *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!

A complete application consists of:

- 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.

All documents must be in English or include an official English translation.

**Application Deadline** 8/21/2023 3:00:00 PM Eastern Time Zone

**Description** \*Applications will be reviewed on a rolling-basis.

**CDC Office and Location:** A research opportunity is currently available within the Division of Cancer Prevention and Control (DCPC) of the National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

The Centers for Disease Control and Prevention (CDC) is one of the major operation components of the Department of Health and Human Services. CDC works to protect America from health, safety and security threats, both foreign and in the U.S. Whether diseases start at home or abroad, are chronic or acute, curable or preventable, human error or deliberate attack, CDC fights disease and supports communities and citizens to do the same.

**Research Project:** This fellowship will focus on training and professional development for the data quality and evaluation for some newly collected and/or rarely used NPCR data elements, including different cancer stage system data, multiple cancer treatment variables, and biomarkers for the major cancer sites. The training for the ORISE participant will be focused around the analysis of cancer surveillance communities and researchers.

In line with the focus of this fellowship, the selected fellow will also:

- 1. Obtain selected factual information pertaining to the organization, its services, clients, and the organization/functions of the department/area assigned to
  - a. Conduct research from the NPCR Program Manual to understand the functions and the roles of central cancer registries (CCRs);
  - b. Receive training to understand the general data collection process of CCRs;



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- c. Receive training to understand general cancer surveillance activities in the US.
- 2. Following a period of orientation, the fellow shall be familiar with the available CCR surveillance datasets to
  - a. Conduct research to review the documents of the North American Association of Central Cancer Registries (NAACCR) on data collection standards;
  - b. Conduct research to review the NCI Surveillance, Epidemiology, and End Results (SEER) program and learn SEER\*Stat software;
  - c. Train for the understanding of the NPCR data variables and data quality improvement activities;
  - d. Train for the understanding of the US Cancer Statistics (USCS).
- 3. Conduct research for applying acquired epidemiologic knowledge and skills, develop manuscripts on agreed-upon topics to
  - a. Conduct literature reviews on the epidemiology and current clinical diagnostic and treatment recommendations;
  - b. Develop manuscript hypotheses and appropriate study questions;
  - c. Train for the evaluation and reporting on the data quality and completeness of topic-related data items;
  - d. Train for the process of evaluation of NPCR program evaluation instruments and other reports along with their results;
  - e. Prepare and submit manuscripts for CDC clearance;
  - g. Submit manuscripts for journal publication.

**Learning Objectives:** As a result of this training the participant will improve their skills in public health surveillance especially cancer surveillance, data quality evaluation and improvement, big data analysis, and epidemiology studies for cancer research.

**Mentor(s):** The mentor for this opportunity is Manxia Wu ([ilb8@cdc.gov](mailto:ilb8@cdc.gov)). If you have questions about the nature of the research please contact the mentor(s).

**Anticipated Appointment Start Date:** July 17, 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 up to five years total upon recommendation of CDC 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. citizens and Lawful Permanent Residents (LPR).

**ORISE Information:** This program, administered by ORAU through its contract with the U.S.

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Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and CDC. Participants do not become employees of CDC, 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 [ORISE.CDC.NCCDPHP@ornl.gov](mailto:ORISE.CDC.NCCDPHP@ornl.gov) and include the reference code for this opportunity.

**Qualifications** The qualified candidate should have received a master's or doctoral degree in one of the relevant fields, or be currently pursuing one of the degrees with completion before September 17, 2023. Degree must have been received within the past five years.

Preferred Skills/Experience:

- Experience with cancer surveillance standards and epidemiological studies.

**Eligibility Requirements**

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or anticipated to be received by 9/17/2023 12:00:00 AM.
- **Academic Level(s):** Graduate Students, Postdoctoral, or Post-Master's.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** ([1](#))
  - **Life Health and Medical Sciences** ([7](#))
  - **Mathematics and Statistics** ([2](#))

**Affirmation** I certify that I have not previously been employed by CDC or by a contractor working directly for CDC. I understand that CDC does not permit individuals with a prior employment relationship with CDC or its contractors to participate as trainees in the ORISE program. (Exceptions may be granted for individuals who, since the previous CDC employment, have obtained a new STEM degree which necessitates training in a new field.)