

**Opportunity Title:** CDC Social Contact Networks and Health Fellowship

**Opportunity Reference Code:** CDC-DGMQ-2020-0008

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

**Reference Code** CDC-DGMQ-2020-0008

**How to Apply** 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.

If you have questions, send an email to [ORISE.CDC.NCEZID@orau.org](mailto:ORISE.CDC.NCEZID@orau.org). Please include the reference code for this opportunity in your email.

**Application Deadline** 3/16/2020 3:00:00 PM Eastern Time Zone

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

A research opportunity is currently available with the Community Interventions for Infection Control Unit (CI-ICU), Division of Global Mitigation and Quarantine (DGMQ), within the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention (CDC) located in Atlanta, Georgia.

CI-ICU plays a key role in the development of recommendations on the use of non-pharmaceutical interventions (NPIs) for mitigating the transmission of pandemic influenza. NPIs that all people should practice at all times are particularly important during a pandemic. These everyday preventive actions include staying home when sick, covering coughs and sneezes, frequent and appropriate hand-washing, and routine cleaning of frequently touched surfaces. Community-level interventions can be added during pandemics and implemented in a graded fashion depending on the severity of the pandemic; these include measures aimed to reduce social contacts between people in schools, workplaces, and other community settings.

The participant will be training with CI-ICU on applied epidemiological research, development of public health programs and projects for pandemic influenza planning, preparedness and response as well as evaluation of public health projects, epidemiological investigations, and literature reviews. This training will include assessing the feasibility, acceptability, and impact of school closures and other non-pharmaceutical interventions; reporting performance measures for science, policy, and communication activities; monitoring dissemination of the non-pharmaceutical guidance for pandemic influenza preparedness and response for state and local health department usage; developing materials used in unit and/or CDC-wide events and activities for use in public health policy or communication; and collaborating with epidemiologists, health scientists, health communicators, and medical officers.

Specific opportunities may include:




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- Conducting social network analyses to assess social contact and mixing patterns in schools and workplaces
- Collaborating on epidemiological and modeling projects on NPIs
- Contributing to developing innovative data visualization products for publications, presentations, and communication materials aimed at slowing or reducing influenza transmission in key community congregate settings (e.g. schools and workplaces)

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and CDC. The initial appointment can be up to one year, but may be renewed upon recommendation of CDC contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at CDC in the Atlanta, Georgia, area. Participants do not become employees of CDC, DOE or the program administrator, and there are no employment-related benefits.



## Qualifications

The qualified candidate should have received a master's or doctoral degree in one of the relevant fields. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Proficiency in using statistical software packages (eg SAS, SPSS, or similar) and programming languages such as R, C++ or similar
- Established track record of scientific publications and/or presentations as the first (lead) author

## Eligibility Requirements

- **Degree:** Master's Degree or Doctoral Degree received within the last 60 month(s).
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 )
  - **Communications and Graphics Design** (2 )
  - **Computer, Information, and Data Sciences** (16 )
  - **Earth and Geosciences** (21 )
  - **Engineering** (27 )
  - **Environmental and Marine Sciences** (14 )
  - **Life Health and Medical Sciences** (45 )
  - **Mathematics and Statistics** (10 )
  - **Other Non-Science & Engineering** (2 )
  - **Physics** (16 )
  - **Science & Engineering-related** (1 )
  - **Social and Behavioral Sciences** (27 )