

# MOLECULAR EPIDEMIOLOGY FELLOWSHIP

Accessible link: <http://www.cdc.gov/molecular-epidemiology-fellowship/index.html>

## JOIN A TRAILBLAZING FELLOWSHIP

Develop your career as a Molecular Epidemiologist in public health!



**Nancy Chow**  
MEF Scientific Lead

*"I want fellows to have the same MEF experience I did, gaining the confidence and tools to become a molecular epidemiologist and a public health leader."*



**Rory Welsh**  
2019 MEF Alumnus

*"The fellowship provided an incredible opportunity to apply my scientific training in pathogen genomics to outbreak investigations on a national level."*



**Tom Chiller**  
MEF Director

*"MEF training connects epidemiology and laboratory sciences and breaks down silos in public health. It fills a critical need for effectively executing genomic epidemiology."*

## OVERVIEW

if you are a laboratory scientist with experience in generating or analyzing genomic data and bioinformatician with laboratory experience, who wants to expand your career as a molecular epidemiologist, the Molecular Epidemiology Fellowship (MEF) program is an exciting opportunity to train in applied epidemiology and conduct molecular epidemiology.

MEF is a 2-year program that seeks to amplify expertise by matching fellows to host sites that provide experiential training in outbreak investigations and surveillance activities. MEF fellows are assigned two supervisors. The primary supervisor is an experienced epidemiologist in the assigned host site. The secondary supervisor is an experienced laboratory scientist in the corresponding laboratory program.

Fellows also will take classes and attend lectures with established public health educators and can participate in trainings and seminars with laboratory scientists, public health advisors, bioinformaticians, and data scientists at CDC.

**Graduating from MEF opens doors for specialized/niche career development, leadership opportunities, and career advancement. COME JOIN OUR TEAM!**

## MISSION

The mission of the MEF program is to equip laboratory scientists or public health scientists with the knowledge to interpret and apply genomic data for infectious diseases by:

- ◆ Detecting outbreaks faster
- ◆ Identifying outbreaks that otherwise would go undetected
- ◆ Recognizing and classifying the sources of outbreaks
- ◆ Guiding an investigation by confirming or refuting transmission among epidemiologically linked cases
- ◆ Monitoring and predicting variant emergence and spread
- ◆ Addressing data modernization needs involving managing and sharing genomic data elements and linking with epidemiologic data
- ◆ Adapt to emerging technologies like metagenomics for routine public health use

Please direct all MEF questions to  
[mol-epifellowship@cdc.gov](mailto:mol-epifellowship@cdc.gov).





## GOAL

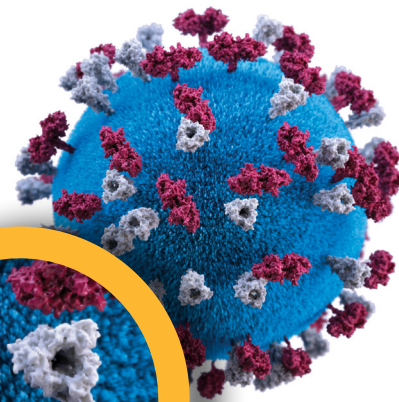
The MEF fellowship program will train efficient, competent, and well-rounded molecular epidemiologists to navigate seamlessly between laboratory science and epidemiology.

## PROGRAM BENEFITS

- ◆ Competitive stipend and benefits
- ◆ Training led by educational and professional subject matter experts
- ◆ Highly sought-after niche skill set

## WHO SHOULD APPLY

The program is open to all laboratory scientists or related public health scientists, with a minimum of a MS degree. Open to all laboratory specialties.



## TIMELINE\*

1

CANDIDATES APPLY

**DEC 2022-FEB 2023**

2

CONDUCT INTERVIEWS

**APR - MAY 2023**

3

FELLOWSHIP BEGINS

**JULY 2023**

4

FELLOWS GRADUATE

**JULY 2025**

\* Timeline dates are subject to change.

## QUESTIONS?

Email MEF @ [mol-epifellowship@cdc.gov](mailto:mol-epifellowship@cdc.gov)