

Pathogens don't stop at borders. Neither do we.

Infectious diseases remain a major global threat, causing widespread suffering and death. Much of the progress achieved over the past century is now at risk due to cuts in U.S. public health and research funding. These diseases still account for more than a quarter of deaths worldwide, with the greatest burden falling on young children. Fortunately, we already have the tools to prevent many of these deaths. The challenge is to deliver these interventions quickly and effectively, especially in resource constrained environments. By integrating disease surveillance, laboratory science, and data analytics, we can pinpoint where and when infections emerge—and rapidly deploy the most effective prevention and treatment strategies.

Unlocking this potential requires removing artificial barriers that slow and silo scientific research. That's why we established the Experimental and Population-based Pathogen Investigation Center ([EPPICenter](#)) at UCSF, a unique environment built to bring together the disciplines essential to combating infectious diseases. At the EPPICenter, we integrate cutting-edge field studies, molecular technologies, and analytics to accelerate discovery, develop innovative laboratory and computational tools, and train the next generation of scientists. Our four principal investigators have developed innovative methods to track the spread of pathogens, trained scientists regionally and internationally, and advised public health stakeholders including the WHO, publishing over fifty papers in the last two years.

Our goal is to make infectious disease research more agile, cohesive, and responsive to emerging threats such as influenza, malaria, COVID-19, and dengue. This work is crucial for those directly affected by these diseases and for broader efforts to prevent future outbreaks. By fostering collaboration and innovation, we aim to create a healthier and more resilient world.

Flexible philanthropic support allows us to move faster, collaborate more deeply, and deliver impact where it is needed most. For example:

- \$100,000 supports a talented trainee for one year of immersive, interdisciplinary infectious disease research.
- \$500,000 funds a two-year pilot project, enabling nimble response to urgent challenges while traditional grant funding is still pending.
- \$1M supports exceptional EPPICenter trainees for five years, providing the independence to pursue work that transcends traditional grant boundaries.
- \$3M supports a dedicated research team for five years to make deep progress in a targeted area of infectious disease research.

To learn more about how your support can help accelerate progress against infectious diseases, contact us at eppicenter@ucsf.edu.



Experimental & Population-based Pathogen Investigation Center

eppicenter.ucsf.edu