



APHL – CDC Newborn Screening Bioinformatics Fellowship Program



Jump start your career and make a difference in the lives of children and families!

The Association of Public Health Laboratories (APHL) - US Centers for Disease Control and Prevention (CDC) Newborn Screening Bioinformatics Fellowship is an exciting opportunity for post-masters and post-doctoral bioinformatics professionals to apply their skills in a public health setting.

The fellowship is a one- to two-year program that allows fellows to work on a range of important and emerging newborn screening bioinformatics issues, while gaining invaluable experience in the bioinformatics field. Fellows are paired with an experienced mentor in a state public health laboratory, who helps outline the fellow's research objectives and guides them through the program.

The fellowship includes a stipend, opportunities to participate in training, attend conferences and many other benefits.

Fellowship applications close Spring 2020.



What is newborn screening?

Before leaving the hospital, every newborn baby is screened for certain harmful or potentially fatal conditions that are not otherwise apparent at birth. Newborn screening helps identify and treat these conditions before the babies get sick, preventing serious health problems or even death. It is the largest and most successful health promotion and disease prevention system in the country. Most newborn screening occurs at a public health laboratory.



What are public health laboratories?

Public health laboratories are highly specialized governmental laboratories that monitor and detect a range of health threats, such as genetic disorders in newborns, infectious diseases, environmental hazards and biological terrorist agents and much more.

Why are newborn screening bioinformatics fellows needed?

As newborn screening laboratories increasingly integrate molecular detection technologies (i.e., next-generation sequencing) to better identify and improve treatment for newborns with heritable diseases, they produce large amounts of high-throughput data, but currently possess limited bioinformatics expertise and resources to adequately analyze it. The APHL-CDC Newborn Screening Bioinformatics Fellowship is specifically designed to address this unmet need by connecting newborn screening laboratories with recent graduates of bioinformatics programs.

Learn more about this and other APHL-CDC Fellowships

www.aphl.org/NBS-BIF
www.aphl.org/fellowships