The National Bioforensic Analysis Center (NBFAC) at the National Biodefense Analysis and Countermeasures Center (NBACC) is seeking skilled bioinformaticians to support bioforensic casework and capability expansion activities.

NBFAC is the premiere laboratory used by federal law enforcement and intelligence communities for a wide variety of bioforensic applications, ranging from traditional biodefense (primarily focused on “select agents” – i.e., highly pathogenic microbes that have the potential to be weaponized) to advanced human DNA-based forensic analysis methods.

Genomic analysis methods, including the latest short- and long-read DNA sequencing technologies and concomitant bioinformatics analysis workflows, feature prominently in NBFAC’s portfolio of forensic analysis tools.

NBFAC actively publishes the products of its scientific research and makes useful bioinformatics software tools available to the community. Notable examples include the following:

- **Mash**: fast genome and metagenome distance estimation using MinHash
- **The Harvest suite**: for rapid core-genome alignment and visualization of thousands of intraspecific microbial genomes
- **MetAMOS**: a modular and open source metagenomic assembly and analysis pipeline
- **Hybrid error correction and de novo assembly of single-molecule sequencing reads**
- **Interactive metagenomic visualization in a Web browser** (well-known “Krona” plots)

NBFAC is currently seeking to hire additional Bioinformatics personnel of several types:

- **Bioinformatics Principal Investigators** (PhD required)
- **Bioinformatics Engineers** (Bachelor’s degree in a computational discipline required; Master’s degree preferred)
- **Bioinformatics Analysts** (Bachelor’s degree required; Master’s degree preferred)

All ranges of experience are welcome. Rank and compensation are negotiable but are generally commensurate with experience.

Must be a citizen of the United States able to obtain an interim secret clearance leading to a top secret clearance and DHS suitability.

If interested, please send CV or resume to Adam Bazinet (adam.bazinet@nbacc.dhs.gov).