

National Institute of Justice

Award Title: Resolution of DNA Mixtures and Analysis of Degraded DNA Using the 454 DNA Sequencing Technology

Award Description:

The researchers propose to utilize the next-generation sequencing platform, 454 Roche DNA sequencing technology to establish a method to analyze mixed, limited, and/or degraded DNA samples using mtDNA and miniplex STR markers simultaneously. This project will result in two deliverables: (1) a validated "front-end" system targeting both nuclear STR and mtDNA markers for use with the 454 sequencing technology for application to forensically relevant samples (i.e. degraded and mixed); and (2) Software for the interpretation of data generated by the system.

ca/ncf

Awardee Name: Children's Hospital & Research Center at Oakland

Award Number: 2010-DN-BX-K141

Solicitation Title: NIJ FY 10 Forensic DNA Research and Development

Fiscal Year: 2010

Amount: \$699,230.00

Earmark: No

Recovery Act: No

State/Territory: CA

County: Alameda

Congressional District: 09

Award Status: Open