

# National Institute of Justice

**Award Title:** Genetic Markers Associated with Sudden Unexplained Death or Sudden Infant Death

**Award Description:**

There are two classes that are forensically linked: sudden infant death syndrome (SIDS) and sudden unexplained death (SUD). In some cases, there is no known pathology that is identified during the autopsy, therefore a genetic screening of known mutations (in cardiac related ion channels) might identify a 'cause of death' for previously unknown cases. The researchers propose to utilize the next-generation pyrosequencing platform, 454 Roche, to identify potential mutations responsible for cardiac channel abnormalities that could potentially lead to death. A deliverable from this project would be a high throughput tool for assessing autopsy cases for the presence of genetic defects associated with channelopathies that can cause sudden cardiac death.

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**Awardee Name:** County of Harris, Texas

**Award Number:** 2010-DN-BX-K230

**Solicitation Title:** NIJ FY 10 Forensic DNA Research and Development

**Fiscal Year:** 2010

**Amount:** \$254,521.00

**Earmark:** No

**Recovery Act:** No

**State/Territory:** TX

**County:** Brazoria

**Congressional District:** 22

**Award Status:** Open