

National Institute of Justice

Award Title: Evaluating the Use of DNA and RNA Degradation for Estimating the Post-Mortem Interval

Award Description:

Researchers propose to investigate the potential of using relative rates of decay of different RNA and DNA markers from different tissues (ribs, nails and teeth) as a novel tool for post mortem interval (PMI) determination that examine these factors. Researchers will adapt the Promega DNA IQ extraction method to isolate RNA and DNA from sample tissues; identify candidate markers for both RNA and DNA degradation assays that differ in degradation pattern and/or frequency; use muscle samples to test and refine degradation assays; apply the RNA and DNA assays to samples of ribs, nails and teeth over a time course; and perform a statistical evaluation of the data.

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Awardee Name: The University of Tennessee	Award Number: 2010-DN-BX-K228
Solicitation Title: NIJ FY 10 Forensic DNA Research and Development	Fiscal Year: 2010
Amount: \$167,414.00	Earmark: No
Recovery Act: No	State/Territory: TN
County: Knox	Congressional District: 02
Award Status: Closed	