

National Institute of Justice

Award Title: Use of Scanning Electron Microscopy / Energy Dispersive Spectroscopy (SEM/EDS) Methods for the Analysis of Trace Evidence

Award Description:

The goal of this project is to develop and test an innovative instrumental trace evidence analysis approach based on the recovery and quantitative SEM/EDS analysis of fine particles that are found adhering to the surfaces of conventional trace evidence materials. Analysis of these "piggy back" particles can remove a fundamental limitation to the probative value of trace evidence, and provide an independent quantitative means to test hypotheses of common origin. The potential significance of this new instrumental approach is extremely high ; ultimately it could provide the means to fundamentally change the probative value of trace evidence from one of class association to one of highly individual, testable associations.

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Awardee Name: Stoney Forensic, Inc.

Award Number: 2010-DN-BX-K244

Solicitation Title: NIJ FY 10 Research and Development on Instrumental Analysis for Forensic Science Applications

Fiscal Year: 2010

Amount: \$308,239.00

Earmark: No

Recovery Act: No

State/Territory: VA

County: Fairfax

Congressional District: 11

Award Status: Closed