

National Institute of Justice

Award Title: Raman spectroscopy for analyzing body fluid traces, stain aging, differentiation between races, genders and species

Award Description:

This research project is in continuation of an ongoing award ultimately targeting the development of an easy-to-use, portable instrument for the rapid, non-destructive, and confirmatory identification of body fluids in biological stains recovered at a crime scene. The main goals of the proposed study are to build a library of Raman signatures, and develop/validate the methodology and software for the automatic analysis of Raman spectroscopic data for (i) determining the age of a biological stain under various environmental conditions, (ii) differentiating human and animal blood, and (iii) determining race and gender based on human body fluid traces including blood, menstrual blood, vaginal fluid, semen, saliva and sweat.

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Awardee Name: The Research Foundation of SUNY, University at Albany

Award Number: 2011-DN-BX-K551

Solicitation Title: NIJ FY 11 Applied Research and Development in Forensic Science for Criminal Justice Purposes

Fiscal Year: 2011

Amount: \$615,575.00

Earmark: No

Recovery Act: No

State/Territory: NY

County: Albany

Congressional District: 21

Award Status: Open