

National Institute of Justice

Award Title: Development of an Immuno-Magnetic Procedure for the Separation of Spermatozoa from Vaginal Epithelial Cells

Award Description:

The main goals of this research are to develop a simple, robust, cost and time efficient method for the separation of spermatozoa from vaginal epithelial cells and to disseminate the methods and results to the forensic science community. This research is aimed at the development of an immuno-magnetic technique for the separation of sperm cells from vaginal epithelial cells. A direct immuno-magnetic technique will be used for sperm cell capture. Seven Protein G- magnetic bead (New England Biolabs, Ipswich, MA)- anti-human sperm complexes will be evaluated. The new method developed from this project will enhance the efficiency of crime laboratories by reducing the time required for the most time-consuming and labor-intensive step in the analysis of sexual assault swabs.

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Awardee Name: Research Foundation of CUNY c/o John Jay College

Award Number: 2011-NE-BX-K547

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

Fiscal Year: 2011

Amount: \$196,720.00

Earmark: No

Recovery Act: No

State/Territory: NY

County: New York

Congressional District: 08

Award Status: Open