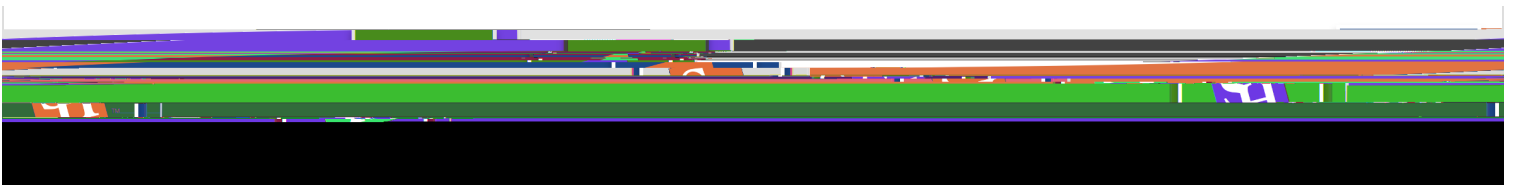


DEPARTMENT OF FORENSIC SCIENCE  
COLLEGE OF CRIMINAL JUSTICE

Dissertation Research Topics  
Forensic Science

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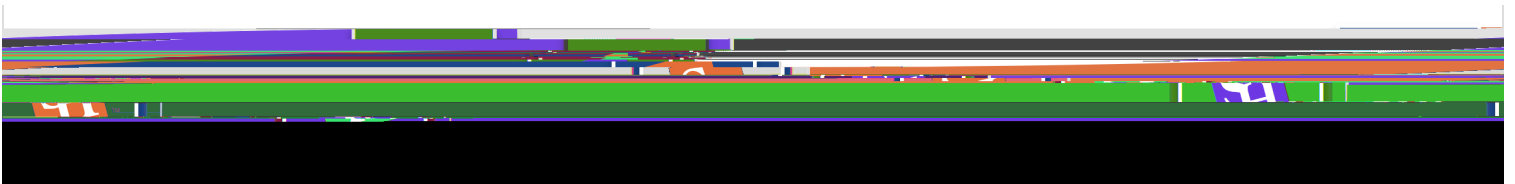


# Academic Year 2023-2024

The Analysis of Intact Explosives and Explosive Residues Using Confocal Raman Microscopy and DART-QTOF – Dr. Jared Estevanes

Differentiation of Hemp from Marijuana: Genetic and Chemical Challenges – Dr. Ya-Chih Cheng

Development of Nanomaterials in Solid Phase Microextraction and Application of Artificial





Development and Evaluation of miRNA and mRNA Panels for Body Fluid Identification –  
Carrie Mayes

Enhanced Sample Preparation and Data Interpretation Strategies Using Massively Parallel

Influence of Genetic Variation on Social Behaviors and Prefrontal Cortex Differences in  
Generalized Anxiety Disorder – Dr. Elizabeth Chesna

Metabolism and Analysis of Desomorphine – Dr. Jessica Winborn

Sequencing for Human Identification in Missing Persons' and DVI Casework –

