



Internship, Research & Capstone / Graduates Data

| Academic Year | Type of Experience: (internship, research, or capstone): | Title or Topic of Project / Area of Study: | Location (applicable if internship is the 'type of experience'): |
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| Academic Year : Past 3rd Year 2021 - 2023 | Internship | Internal Validation of a Modified Procedure for DNA Collection from Fired Cartridge Casings | Consolidated Forensic Laboratory in Washington D.C. |
| | Internship | Development and validation of a new method for separating fluorofentanyl isomers using gas chromatography/mass spectrometry | Kentucky State Police Eastern Lab in Ashland, KY |
| | Internship | An Internal Validation of the QIAGEN QIAgility Instrument for use with Plexor Quantitation Kits and GlobalFiler Amplification Kits | D.C. Department of Forensic Sciences, Washington, DC |
| | Internship | Developing a Rapid DNA Response Plan for Mass Identification Events: An Inter-laboratory Approach to Mobilizing a Forensic DNA Laboratory | Palm Beach County Sheriff's Office |
| | Internship | A Comparison of $\Delta 9$ -THC and $\Delta 8$ -THC Identification Methods Using Thin Layer Chromatography | Indiana State Police Fort Wayne Regional Laboratory |
| | Internship | Detection of Ignitable Liquid Residues Using Crime-lite® AUTO | Fire Marshal's office at the Huntington, WV Fire Department |
| | Internship | Use of Gas Chromatography Mass Spectrometry in a Drug Chemistry Laboratory | Minnesota Bureau of Criminal Apprehension Forensic Science Services |
| Academic Year : Past 2nd Year 2022-2023 | Internship | Optimization and Expansion of Cannabinoid Assays for Quantitation of Delta-8 THC | Alabama Department of Forensic Sciences |
| | Internship | Finding A Needle In a Haystack: one laboratory's quest to streamline DNA profile interpretation | Palm Beach County Sherriff's Office |
| | Internship | Forensic Acquisition and Inspection of Aftermarket Vehicle Infotainment Systems | Marshall University Digital Forensics Laboratory |
| | Internship | Oral Fluid Validation for LC/TQD | North Louisiana Criminalistics Laboratory in Shreveport, Louisiana |
| | Internship | Development, Testing, and Comparison of Decontamination Methods for Drugs and Ignitable Liquids from Mobile Devices | Marshall University Forensic Science Center in conjunction with the United States Secret Service |
| | Internship | Probabilistic Genotyping Analysis of Trace DNA and Transfer Evidence | Marshall University Forensic Science Graduate program |
| | Internship | Validation of a Manual Selective Degradation Method of Differential Extraction | Kentucky State Police Central Laboratory in Frankfort, Kentucky |
| | Internship | Qualitative Analysis of Xylazine, Nitazenes and Common Opioids/Analogues by Liquid Chromatography Tandem Mass Spectroscopy (LC/MS/MS) Following Collection with the M-Vac® Wet-Vacuum System | Marshall University Forensic Science Graduate program in conjunction with US DHS |
| | Internship | Internal Validation of the M-Vac® for Forensic Use | Marshall University Forensic Science Center DNA Laboratory |
| | Internship | Known Hash Filtering: An Efficient Way to Eliminate Irrelevant Files and Show Files of Interest in Digital Examinations | North Carolina State Crime Laboratory in Raleigh, North Carolina |
| Internship | Validation of the DANI DiscovIR-GC™ Detection System & Identifying Complex Isomers of Controlled Substances | West Virginia State Police Forensic Laboratory | |
| Internship | Internal Validation of Janovsky Color Test and Testing Platinum Chloride Microcrystalline Method for Benzodiazepines | North Carolina State Crime Laboratory in Raleigh, North Carolina | |
| Academic Year : Previous Year: 2023-2024 | Internship | Investigation of the Impact of the Fire Debris Sample Extraction Process on Latent Prints | Marshall University Forensic Science Department |
| | Internship | Impact of Sound Suppressors on Gunshot Residue Deposition. | Harris County Institute of Forensic Sciences in Houston, Texas |
| | Internship | Determining Discriminatory Power for Tool Paint (FTIR, MSP, SEM-EDS) and Hot Melt Adhesives (XRF, SEM-EDS, FTIR) | ATF Forensic Science Laboratories (FSL) in Ammendale, Maryland |
| | Internship | Validation of Tetrahydrocannabinol Acid Derivatization | West Virginia State Police Forensic Laboratory |
| | Internship | Persistence and Recovery of Touch DNA on Door Handles Over Time | Marshall University Forensic Science Department |
| Internship | Implementation of the Intermountain Bone and Tooth Extraction and Purification Protocol to Improve DNA Extraction from Bone | Palm Beach County Sherriff's Office | |