



Criminalistics Section – 2006

B141 Establishment of a Forensic DNA Profiling Training and Laboratory Service Business at the Biotechnology Center, Shadow Lane Campus, University of Nevada Las Vegas

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After attending this presentation, attendees will have increased knowledge in regard to factors involved in establishing a Forensic DNA Profiling ("DNA Fingerprinting") Laboratory. They will also receive information based on methods and techniques in extraction, purification, quantification, amplification and analysis of DNA.

This presentation will impact the forensic community and/or humanity by establishing specialized short term niche training in Forensic DNA Profiling. The workshops are designed to satisfy specific individual needs of those in the forensic community. This training, as already demonstrated, is valuable in helping those in the forensic community, improve their skills, advance in the profession, or attain a professional position in the forensic community. Specialized laboratory services also are being established to augment services of others to help fulfill community and national needs. Sharing of these experiences will help others.

In a process that started early in this decade, a new Biotechnology Center has been established at the Shadow Lane Campus of the University of Nevada-Las Vegas. Within this Center, a modern Forensic DNA Laboratory is in place that provides training services in "DNA Fingerprinting" and laboratory services in DNA Profiling.

This presentation will cover the planning, development, and implementation of this laboratory. Laboratory process flow, construction history, equipment selection and implementation of the program will be described. Methods to assure that technical and economic goals are satisfied will be presented. Experiences in developing strategic partnerships essential to meeting objectives will be shared. The acquisition of skills, knowledge gained, and corrections will be covered. Experiences in conducting successful workshops and information taught will be described.

Forensic DNA Profiling, DNA Fingerprinting, UNLV