



**RESUME OF  
MALLORY A. H. PAGENKOPF**

**EDUCATION**

- 5/2011**      **University of New Haven, West Haven, CT**  
Master of Science, Forensic Science- Criminalist Track
- 5/2007**      **University of Massachusetts, Amherst, MA**  
Bachelor of Science, Microbiology

**EMPLOYMENT**

- 8/2021 - Present**      **Serological Research Institute, Richmond, CA**  
Forensic DNA Analyst II
- 7/2018 – 8/2021**      Forensic Serologist I  
Handling, examination and screening of evidence items. Extraction, quantification, and amplification of DNA from known evidence samples. Analyze and interpret data, provide expert testimony and analytical reports. Experience includes organic and robotic extraction, quantitation with Real-Time PCR using Quantifiler Trio kit on the ABI 7500 and Quant Studio 5, amplification with Identifiler, Identifiler Plus, MiniFiler, GlobalFiler, Yfiler, Yfiler Plus kits, and mitochondrial DNA (mtDNA) on the ABI 9700, STR and YSTR analysis on the ABI 3130xl and 3500 using GeneMapper ID-X software, mtDNA analysis on the ABI 3130xl using Sequencher software, and statistical analysis using eDNA Bullet probabilistic genotyping software.
- 8/2015 – 8/2016**      **ARP Sciences LLC, Dover AFB, DE**  
DNA Analyst, Forensic Scientist II  
Worked in the mitochondrial DNA (mtDNA) Past Accounting section of the Armed Forces DNA Identification Laboratory (AFDIL), as a contractor supporting the Armed Forces Medical Examiners System (AFMES). Assisted in identifying missing service members through the use of mitochondrial and autosomal DNA (STR and YSTR). Experience in processing degraded DNA samples through organic and non-organic extractions of mtDNA, STR, and YSTR from: skeletal remains, teeth, hair, stamps, envelopes, bloodstains, and buccal swabs. Quantitation interpretation with Quantifiler Duo and Plexor HY kits, amplification of mtDNA on the ABI 9700, amplification of STRs with Identifiler, Minifiler, PowerPlex Fusion, and Yfiler on the ABI 9700, mtDNA sequencing, mtDNA, STR, and YSTR analysis on the ABI 3130xl using Sequencher and GeneMapper ID-X software, statistical analysis using combined likelihood ratios, and report writing.

**6/2011 – 8/2015**

***American Registry of Pathology, Dover AFB, DE***

DNA Technician, Forensic Scientist I

Worked in the mtDNA Past Accounting section of AFDIL, as a contractor supporting AFMES. Assisted in identifying missing service members through the use of mtDNA, STR, and YSTR. Experience includes processing degraded DNA samples, Chelex extraction, amplification of mtDNA and STRs with Identifiler, Minifiler, and Yfiler on the ABI 9700, mtDNA sequencing, mtDNA, STR, and YSTR analysis on the ABI 3130xl using Sequencher and GeneMapper ID-X software.

**9/2009 – 5/2011**

***University of New Haven, West Haven, CT***

Graduate Teaching Assistant

Graduate Teaching Assistant for 3 semesters of Microbiology lab and one semester of Immunology lab. Presented lab lectures, created tests, and graded reports to an average of 30 students a semester. Taught students basic microbiology laboratory skills including: microscope use, aseptic technique, bacterial slide staining, media inoculation, and identification of bacteria. Taught students basic immunology laboratory skills including: dilution, blood components and cell counting, blood typing, gel electrophoresis, immunofluorescence, and ELISA. Cultured and maintained bacterial cell lines for use in the laboratory.

**9/2007 – 8/2009**

***Rapid Micro Biosystems, Lowell, MA***

Research Assistant

Worked on the Research and Development and Technical Services teams supporting the Growth Direct™ system. Performed validation experiments, tested customer samples, and prepared media cassettes for customers. Presented monthly laboratory meetings updating co-workers on the progress of experiments and gave customer demonstrations of the Growth Direct™ System. Utilized aseptic technique to perform media prep, environmental monitoring, microscope use, funnel assembly, quality control of products, and daily laboratory maintenance. Maintained several bacterial cell culture lines for use by the laboratory. Composed and maintained an individual detailed laboratory notebook of all experiments performed.

***PROFESSIONAL AFFILIATIONS***

California Association of Criminalists: Associate Member since 2019

***LICENSES***

Texas Forensic Science Commission, Forensic Biology/DNA Analyst  
License Number: 0000732 expires 06/13/2023

***TESTIMONY EXPERIENCE***

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Tarrant County, Criminal District Court, Fort Worth, TX

June and August 2021

***CONTINUING EDUCATION AND TRAINING***

California Criminalistics Institute, Course A109: "Presentation of DNA Evidence in Court"  
October 16<sup>th</sup>-17<sup>th</sup>, 2018

California Association of Criminalist, 2019 Spring Seminar: Genetic Genealogy Workshop  
May 14<sup>th</sup>, 2019

Genetic Technologies Excelsis, "BulletProof (PG) Workshop"  
July 10<sup>th</sup>-11<sup>th</sup>, 2019

31<sup>st</sup> International Symposium on Human Identification (Virtual)  
September 14<sup>th</sup>-18<sup>th</sup>, 2020.