

Professional Vita
Betty Blanke

Formal Education

Bachelor of Science, Biochemistry; University of California, Los Angeles (UCLA), Los Angeles, CA, 2000.

Professional Meetings, Workshops, and Specialized Courses

- California Association of Criminalists (CAC): Study Group Meeting; February 2025
- National Institute of Standards and Technology (NIST): Webinar on DNA Mixtures: A NIST Scientific Foundation Review; July 2021
- NIST: Forensics@NIST 2020 Conference; November 2020
 - Forensic Genetics: Next Generation Sequencing for Forensic Genetics
 - Trace: Development of a more comprehensive and extensible hair peptide spectral library
 - Trace: Advances in Dynamic Vapor Sampling Towards Reliable Field Deployment
 - Trace: Bulk and Micro-Scale Trace Element Analysis of Glass SRMs Using Modern Nuclear Analytical Methods and LA-ICP-MS
- National Institute of Justice Forensic Technology Center of Excellence (NIJ FTCE): Module 2: Statistical Genetics and the Mechanisms of Probabilistic Genotyping; June 2020
- NIJ FTCE: Module 1: The Elements of DNA Profile Interpretation and Probabilistic Genotyping; May 2020
- NIST: DNA Analyst Webinar Series: Validation Concepts and Resources (Part 1); August 2014
- NIST: DNA Analyst Webinar Series: Probabilistic Genotyping & Software Programs (Part 1); May 2014
- NIST: DNA Analyst Webinar Series: DNA Analyst Training on Mixture Interpretation; April 2013
- Applied Biosystems HID University: Future Trends in Forensic DNA Technology Seminar Series; September 2012

- California Association of Criminalists (CAC): Fall 2011 Seminar; DNA workshop; October 2011
- CAC: Fall 2011 Seminar; Advanced DNA Mixture Interpretation Workshop; December 2010
- CAC: Fall 2010 Seminar; DNA Study Group; March 2010
- CAC: Fall 2009 Seminar; Hair Microscopy for the DNA Analyst Workshop; October 2009
- CAC: Fall 2009 Seminar; DNA Workshop; October 2009
- CAC: Fall 2008 Seminar; DNA Workshop; October 2008
- Applied Biosystems HID University; 2007 Future Trends in Forensic DNA Technology Seminar Series; July 2007
- CAC: Spring 2007 Seminar; DNA Workshop; May 2007
- CAC: Spring 2006 Seminar; Digital Photography Workshop; DNA Workshop; May 2006
- Applied Biosystems HID University; 2006 Future Trends in Forensic DNA Technology Seminar Series; March 2006
- CAC: Fall 2005 Seminar; October 2005
- American Academy of Forensic Sciences (AAFS) 57th Annual Meeting; February 2005
 - Evaluation of Y-STR Multiplexes for Analysis of Casework Samples;
 - Optimization of DNA Extraction Procedures for Low Copy Number Degraded Samples
 - DNA Extraction of Archived Palm Prints; Implication for Cold Case Evidence
 - A Duplex Real-Time qPCR Assay for the Quantification of Human Nuclear and Mitochondrial DNA in Forensic Samples: Implications for Quantifying DNA in Degraded Samples
 - Significance of Detecting Foreign Sources of DNA Under Fingernails
 - Development of Human and Human Male DNA Quantitation Systems Using a Novel, Fluorescent, Two-Primer Real Time PCR Method
 - Utility of Quantifiler Y in Resolving Difficult Forensic Cases
- CAC: Spring 2004 Seminar; DNA Workshop, May 2004
- 14th International Symposium on Human Identification sponsored by Promega; October, 2004
 - Low Copy Number DNA Analysis and Sample Screening Workshop
 - Basic Principles of Forensic Molecular Biology Workshop
 - Y-STRs: Practical Considerations and Interpretation Issues Workshop
- CAC: Spring 2002 Seminar; Courtroom Testimony Workshop; May 2002

Occupational History

2019 –	Senior Forensic Scientist, Technical Associates, Inc., Ventura, CA.
2006 – 2017	Senior Forensic Scientist, Technical Associates, Inc., Ventura, CA.

2006 – Oct 2007 Workflow Coordinator, Technical Associates, Inc., Ventura, CA.

2000 – 2005 Forensic Scientist, Technical Associates, Inc., Ventura, CA.

Oct 1999 – June 2000 Laboratory Assistant, UCLA Department of Biological Chemistry,
Brain Research Institute, Los Angeles, CA.

Publications and Presentations

- Blanke, B., April 28, 2010, Ventura College, Ventura CA, Forensic Science, DNA Analysis and Case Work.
- Lin, B., October 24, 2006, Ventura College, Ventura CA, Forensic Science, DNA Analysis and Case Work.
- Lin, B., November 6, 2006, Ventura College, Ventura CA, Forensic Science, DNA Analysis and Case Work.
- Rowland, C.D., Van Trees, R.V., Taylor, M.S., Raymer, M.L. & Krane, D.E.; "Was the Shawnee War Chief Blue Jacket a Caucasian?"; Ohio Journal of Science, September 2006. Acknowledgement for technical assistance.
- Lin, B., January 6, 2004, Buena High School, Ventura, CA, Forensic Science, DNA Analysis and Case Work.
- Lin, B., October 18, 2003, Ventura College, Ventura CA, Forensic Science, DNA Analysis and Case Work.