

JEREMIAH GARRIDO

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Education

UNIVERSITY OF NEW HAVEN, CT
Bachelor of Science, Chemistry, 1999
UNIVERSITY OF NEW HAVEN, CT
Bachelor of Science, Forensic Science, 1999

Work Experience

FORENSIC SCIENCE PRACTITIONER EXPERIENCE

February 2001-Present

CRIMINALIST III, Santa Clara County District Attorney Crime Laboratory - San Jose, CA

Perform forensic DNA analysis and latent fingerprint processing on various types of physical evidence in complex cases. Work closely with attorneys and law enforcement professionals to triage physical evidence that requires multiple types of forensic examinations and considerations. Prepare and write technical reports reflecting the interpretation of scientific results within strict judicial timelines. Additionally, provide testimony in court as an expert witness.

Respond to crime scenes as a Lead Criminalist. Responsible for evaluating evidence for evidentiary value, directing laboratory staff that assist and determining the method of scene processing in collaboration with law enforcement.

Develop, prepare and conduct various forensic science trainings and seminars to attorneys (prosecution and defense), law enforcement and public safety professionals, forensic scientists and medical personal. Train new staff and assign projects to interns to coach them in a career in forensic science.

Actively participate in internal and external crime laboratory audits/assessments upon being granted a qualified FBI Quality Assurance Auditor and an ASCLD/LAB-International Technical Assessor under ISO/IEC 17025:2005.

Conduct and assist in validation studies and the development of protocols for new methods to be utilized in casework. Perform various QA/QC duties.

FORENSIC SCIENCE EDUCATOR/TRAINER EXPERIENCE

August 2002-Present

INSTRUCTOR-TRAINER, California-P.O.S.T Robert Presley Institute of Criminal Investigation (ICI)

Provide training to various law enforcement agencies and professionals throughout California on a contract basis as a consultant following the successful completion of Phases I, II and III of the CA P.O.S.T ICI Instructor Certification Course.

Teach four, eight and ten hour blocks of instruction on a variety of topics including: *Forensic DNA Analysis, CODIS, Criminalists Role in a Homicide Investigation, Physical Evidence in Sexual Assault and Child Abuse Investigations and Cold Cases.*

Prepare lesson plans, learning objectives, curriculum design and perform lectures utilizing MS PowerPoint and hands-on activities/scenarios.

January 2007-Present

INSTRUCTOR-ADJUNCT, Evergreen Valley Community College- Introduction to Forensic Science

Develop and prepare lesson plans, learning objectives, and lectures on crime scenes, various forensic science disciplines and the role of the crime laboratory. Conduct lectures and demonstrations.

September 2013-Present

INSTRUCTOR-ADJUNCT, West Valley Community College- Introduction to Forensic Science

Develop and prepare lesson plans, learning objectives, and lectures on crime scenes, various forensic science disciplines and the role of the crime laboratory. Conduct lectures and demonstrations.

January 2011-2012

INSTRUCTOR-ADJUNCT, *De Anza College- Introduction to Forensic Science*

Established an Introduction to Forensic Science class curriculum which obtained approval from the De Anza College Curriculum Committee in 2011.

Develop and prepare lesson plans, learning objectives, and lectures on the crime scene and various forensic science disciplines (with emphasis given to trace evidence, DNA evidence, bloodstain patterns, firearms, tool marks, fingerprints, questioned documents, drugs, arson, explosives, computer forensics and courtroom expert witness testimony).

Conduct lectures, forensic science labs and demonstrations as well as simulated crime scene activities. Purchase supplies and equipment on behalf of De Anza College and coordinate various Forensic Practitioner guest lecturers.

January 2002-2007

CONSULTANT-TEACHING ASSISTANT, *San Jose State University- Justice Studies Department*

Developed and conducted Forensic Science laboratory exercises for undergraduate and graduate students of the Justice Studies Department. Additionally, performed lectures and demonstrations on various areas of Forensic Science.

January 2000-February 2001

DNA LABORATORY TECHNICIAN, *Forensic Biology-Westchester County Forensic Lab, New York*

Performed STR-DNA analysis of the thirteen CODIS core loci for suspect blood samples utilizing Chelex extractions, Quantiblot™ Human DNA Quantitation Kits, Applied Biosystems AmpF/STR Profiler Plus™ and COfiler™ PCR Amplification Kits, and the ABI Prism® 310 Genetic Analyzer. Profiles obtained from the suspect blood samples were used to create a DNA database.

Participated in internal and external CTS proficiency testing programs designed to demonstrate proficiency in STR-DNA analysis.

Perform extensive QC, preventive maintenance and troubleshooting on instrumentation. Prepare reagents and solutions.

May 1999-October 1999

INTERN, WESTCHESTER COUNTY FORENSIC LABORATORY, *New York*

Served as an apprentice/intern to scientists in the trace evidence, forensic biology, forensic chemistry, and toxicology sections of the laboratory.

Performed extensive QA and was responsible for developing several spreadsheets and control charts utilizing MS Excel, a NIST Traceable Filter Set, and the "S-E-E Inc. 2000 UV-VIS Microspectrophotometer" that now can be used to indicate the instruments efficiency before using it in casework.

Gained exposure and in-depth knowledge of the latest laboratory procedures, techniques and methods of analysis of physical evidence and controlled substances using microscopes and instrumentation such as the HP 6890 Series GC w/ HP 5973 MSD, HP 1050 Series LC w/ HP 5973 MSD, Nicolet Microscopic FT-IR, PE Lambda 3 UV-VIS Spectrophotometer, and the ZEISS Scanning Electron Microscope.

Assisted with the validation of STR-DNA technology by comparing allele frequencies in various databases.

Technical Presentations

Northeastern Association of Forensic Scientists, fall 1999: "*A Study Relating Fibers, Optical Brighteners and Fluorescence*"

Future Trends in Forensic DNA Technology (Applied Biosystems), 2006: "*Serving Up Justice*" & "*Validation and Implementation of GeneMapper ID*"

CAC Seminar DNA Workshop, spring 2009: *“Interesting Y-STR Cases”*

Future Trends in Forensic DNA Technology (Applied Biosystems), 2009: *“Utilizing the Quantifiler® Duo DNA Quantification Kit as a Guide to Efficient Forensic Evidence Sample Processing”*

Forensic Seminar Series, Santa Clara County Crime Laboratory, April 2010: *“Forensic DNA Analysis”*

Forensic Seminar Series, Santa Clara County Crime Laboratory April 2011: *“Santa Clara County Cold Case Files”*

California District Attorneys Association (CDAA) - Adult Sexual Assault Prosecution Seminar, Sacramento, 2011: *“Forensic DNA Testing in Sex Crimes”*

Bode Eighth Annual Advanced DNA Technical Workshop, Florida and San Diego, 2011: *“An Attempt to Understand the Effects of Fire and Heat on DNA and Screening Techniques”*

CAC Northern Study Group, DOJ Richmond, January 2012: *“Going Back To Cases with Identifier Plus”*

American Academy of Forensic Science, Atlanta, Georgia, February 2012: *“Low Copy DNA”* - Session Moderator

International Association of Arson Investigators Annual Conference, Dover, Delaware, April 2012: *“DNA and the Fire Scene” Workshop (four hour)*

Forensic Fire Investigation Course, San Luis Obispo, CA, June 2012: *“Effects of Heat and Fire on DNA”*

Professional Organizations

International Association of Bloodstain Pattern Analysts, since 2008

American Academy of Forensic Science, since 2001

California Association of Criminalists, since 2001