

Curriculum Vitae

MATTHEW M. QUARTARO, M.S.

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Education

M.S. Molecular and Cell Biology, University of Texas at Dallas, Richardson, TX, 2001

B.S. Cell and Molecular Biology, Texas A&M University, College Station, TX, 1998

Professional Experience

Owner December 2015 – Present
Quartaro Forensics, LLC, Plano, TX

IQAS Proficiency Test Program Quality Manager August 2012 – December 2015
Orchid Cellmark Inc., Dallas, Texas

Acting Autosomal DNA Technical Leader March 2012 – May 2012
Orchid Cellmark Inc., Dallas, Texas

Associate Laboratory Director August 2013 – December 2015
Cellmark Forensics, Dallas, Texas

- Responsible for directing and supervising all laboratory work performed by DNA analysts and technicians for designated clients. Continue to perform duties as forensic analyst.

Supervisor, Forensics August 2005 – August 2013
Orchid Cellmark Inc., Dallas, Texas

- Responsible for directing and supervising all laboratory work performed by DNA analysts and technicians for designated clients. Continue to perform duties as forensic analyst.

Forensic Analyst February 2002 - August 2005
Orchid Cellmark Inc., Dallas, Texas

- Responsible for accessioning of evidence, isolation of DNA from evidentiary and known samples, PCR amplification, and analysis and interpretation of STR results for forensic casework and contract casework. Prepare written reports reflecting results and present them in courts of law as an Expert Witness.

Laboratory Technician January 2000 – December 2001
University of Texas at Dallas, Richardson, Texas

- Responsible for preparing experiments for all undergraduate biology classes including making reagents and media, setting up equipment and growing cultures.

Teaching Assistant for Secondary Mathematics Classes May 2000 – July 2000
Dallas Independent School District, Dallas, Texas

- Assisted in a pilot program utilizing interactive algebra software. Duties included teaching class lessons, providing assistance in computer lab, and tutoring.

Research Assistant/Laboratory Technician May 1998 – November 1999
Texas A&M University Health Science Center
Department of Pathology and Laboratory Medicine, College Station, Texas

- Responsible for general lab work in efforts to identify novel proteins associated with the oncogene p53.

Forensic Laboratory Experience	Qualified
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| • Forensic Biology Testing | 2002 |
| • DNA Extractions | 2002 |
| • Mixed Stain Extraction | 2002 |
| • Amplification | 2002 |
| • STR Case Analysis & Reporting | 2002 |

Casework Analyst Qualified – 2002 Orchid Cellmark Dallas

Professional Associations

American Academy of Forensic Scientists

Association of Forensic DNA Analysts and Administrators

Seminars/Workshops/Continuing Education
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Expert Witness Testimony, Rockville, MD, May 2002

Population Genetics Workshop, Dallas, TX, April 2003

Association of Forensic DNA Analysts and Administrators Summer Meeting,
Austin, TX, July 2003

American Academy of Forensic Sciences Annual Meeting, Dallas, TX, Feb. 2004

Association of Forensic DNA Analysts and Administrators Summer Meeting,
Austin, TX, August 2004

16th Annual International Symposium on Human Identification, Promega Corp.,
September 2005, Grapevine, TX.

17th Annual International Symposium on Human Identification, Promega Corp., October
2006, Nashville, TN.

American Academy of Forensic Sciences Annual Meeting, San Antonio, TX, Feb. 2007

18th Annual International Symposium on Human Identification, Promega Corp., October 2007,
Hollywood, CA.

19th Annual International Symposium on Human Identification, Promega Corp., October 2008,
Hollywood, CA.

Association of Forensic DNA Analysts and Administrators Summer Meeting,
Austin, TX, August 2009

Seminar on “Considerations for the Analysis of Low-Level Forensic Samples”, presented
by Dr. Rick W. Staub. September 17, 2009. Orchid Cellmark, Farmers Branch, TX.

20th Annual International Symposium on Human Identification, Promega Corp., October 2009,
Las Vegas, NV.

Seminar on “Low Copy Number Threshold”, presented by Dr. Rick W. Staub and
Cynthia Smitherman. December 17, 2009. Orchid Cellmark, Farmers Branch, TX.

“Quality Assurance Standards Auditor Training”. FBI Virtual Academy. December 2010.

CODIS: Information, Requirements and Updates Workshop by G. Molina. 33rd Annual
Southwestern Association of Forensic Scientists Conference Houston, TX October 5, 2011

NFSTC: DNA Mixture Interpretation. 33rd Annual Southwestern Association of Forensic
Scientists Conference Houston, TX October 6, 2011

American Academy of Forensic Sciences Annual Meeting, Atlanta, GA Feb. 2012

24th Annual International Symposium on Human Identification, Promega Corp., October 2013, Atlanta, GA.

A Review of PCR Inhibition and Its Implication for Human Identity Testing presented by Dr. Joe Warren at Cellmark Forensics; Dallas, Texas; June 28, 2013.

American Academy of Forensic Sciences Annual Meeting, Seattle, WA Feb. 2014

26th Annual International Symposium on Human Identification, Promega Corp., October 2015, Grapevine, TX.

Association of Forensic DNA Analysts and Administrators Summer Meeting, Austin, TX, July 6-7, 2017

29th Annual International Symposium on Human Identification, Promega Corp., September 2018, Phoenix, AZ.

Seminar on “Preparing as an Expert Witness for DNA Testimony in Today’s Courtroom” 29th Annual International Symposium on Human Identification, Promega Corp., September 27, 2018, Phoenix, AZ.

Association of Forensic DNA Analysts and Administrators Summer Webex Meeting, August 2020

ISHI Forensic Genetic Genealogy Webinar Three Part Series. December 2022

Stability and Persistence of Touch DNA for Forensic Analysis, Webinar from Forensic Technology Center of Excellence December 2022

Strangulation in Sexual Assault Cases: Considerations for Evidence Collection and Supporting Healing, Webinar from Forensic Technology Center of Excellence December 2022

Presentations

“Introduction to DNA” Presentation to the Chicago Police Department Cold Case Squad, Chicago, IL January 22, 2009

“Rapid Stranger Rape Program” Presentation to the Crimes Against Children Conference Dallas, TX August 19, 2009

“DNA for Attorneys” Presented to the Harris County District Attorney’s Office Houston, TX September 2, 2010

“DNA Basics” Presented to the Public Defender’s Office 15th Circuit of Horry and Georgetown Counties, SC May 22, 2019.

“Introduction to DNA” Presented in “The Anatomy of a Homicide” at American University September 30, 2021.