



## Alaska Scientific Crime Detection Laboratory Statement of Qualifications

Name	Sherri L Hughes-Murphree	Date	July 2019
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Job Title	Forensic Scientist I
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Indicate all disciplines in which you currently perform testing or calibration work according to the Scope of Accreditation:

<input type="checkbox"/>	Drug Chemistry	<input type="checkbox"/>	Toxicology - Testing
<input type="checkbox"/>	Biology	<input type="checkbox"/>	Firearms/Toolmarks
<input checked="" type="checkbox"/>	Latent Prints	<input type="checkbox"/>	Crime Scene
<input type="checkbox"/>	Breath Alcohol (non-accredited discipline)		

For each discipline checked in the table above, list all categories in which you perform work:

Latent Print Processing
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**Education:** List all higher academic institutions attended (list high school only if no college degree has been attained).

Institution	Dates Attended	Major	Degree Completed
Greenville Technical College	2004-2006	Biotechnology	A.S.
Clemson University	2006-2008	Genetics	B.S.
Clemson University	2009-2011	Genetics	M.S.

**Continuing Education:** List formal coursework, conferences, workshops, in-service and other training received applicable to past and current forensic related positions.

Course Title	Source of Training	Date(s) of Training
Latent Print Processing Training	State of Alaska Scientific Crime Detection Lab	July-October 2019
Fingerprint Processing on Difficult Surfaces (1hr)	Texas Forensic Science Academy (online)	September 13, 2019
Methods of Instruction (40 hours)	State of Alaska Department of Corrections	September 3-9, 2019
DNA Mixture Analysis with ArmedXpert	Niche Vision Forensics, LLC at State of Alaska Crime Detection Laboratory	May 17-19, 2016
2016 Annual Review of DNA Data Accepted at NDIS	DOJ FBI CODIS division	February 2016
Quantifiler Trio DNA Quantification and GlobalFiler PCR Amplification Kit Lecture & Teach back	Life Technology at State of Alaska Crime Detection Laboratory	March 3-5, 2015
2015 Annual Review of DNA Data Accepted at NDIS	DOJ FBI CODIS division	February 2016
Hair Evaluation for DNA Analysis	West Virginia University (online)	September 2014
Blood Stain Pattern Analysis I	Bevel Gardner & Associates at State of Alaska Crime Detection Laboratory	August 25-29, 2014

Communication Skills, Report Writing and Courtroom Testimony for Forensic Analysis	NIJ (online)	August 2014
Population Genetics and Statistics for Forensic Analysis	NIJ (online)	May 2014
STR Data Analysis and Interpretation for Forensic Analysis	NIJ (online)	May 2014
2014 Annual Review of DNA Data Accepted at NDIS	DOJ FBI CODIS division	May 2014
FBI New CODIS Administrator Training	19 <sup>th</sup> Annual National CODIS Conf.; Norman, OK	November 2013
Promega Advanced Topics in Forensic Mixture Analysis: Statistics to Technology	International Symposium on Human Identification Atlanta, GA	October 2013
Quality Assurance Standard & Auditor Training	DOJ FBI CODIS division	June 2013
2013 Annual Review of DNA Data Accepted at NDIS	DOJ FBI CODIS division	April 2013
2012 Annual Review of DNA Data Accepted at NDIS	DOJ FBI CODIS division	January 2013
CODIS 7.0 Training	DOJ FBI CODIS division	January 2013
Promega Mixture Interpretation Workshop	International Symposium on Human Identification Nashville, TN	October 2012
Ethics in Forensic Science	West Virginia University (online)	October 2012
Perspectives in Expert Testimony	West Virginia University (online)	July 2012
Class III Police Officer Training	South Carolina Criminal Justice Academy	February 2012
Emerging DNA Technology Training Workshop	Marshall University; Huntington, WV	Dec. 5-7, 2011
President's DNA Initiative, Advanced DNA Workshop	Marshall University; Huntington, WV	Nov. 14-17, 2011

**Testimony:** Complete the information below for testimony provided.

Discipline or Category of Testimony	Period of Time in Which Testimony Occurred	Approximate Number of Times Testified
DNA Screening	March 2017 (Kodiak), April 2017 (Juneau)	2
Biology, Nuclear DNA	January 2019 (Anchorage)	1

**Professional Affiliations:** List professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

Organization	Period of Membership	Offices or Positions Held/Dates
American Academy of Forensic Science (AAFS)	2012-2014	Trainee Affiliate

**Employment History:** List all scientific or technical positions held, particularly those related to forensic science. List current position first. Add additional sections as necessary.

Job Title	Forensic Scientist I	Tenure	July 2019-Present
Employer	Department of Public Safety, State of Alaska Scientific Crime Detection Laboratory; Physical section		
Provide a brief description of principal duties:			
Latent Print Processing			

<b>Job Title</b>	Adjunct Instructor	<b>Tenure</b>	September 2018-present
<b>Employer</b>	University of Alaska Anchorage		
Provide lectures and laboratory training for Experiential Learning for Genetics & Cell Biology			

<b>Job Title</b>	Forensic Scientist III	<b>Tenure</b>	December 2015-September 2017
<b>Employer</b>	Department of Public Safety, State of Alaska Scientific Crime Detection Laboratory; DNA Section		
Provide a brief description of principal duties:			
DNA Screening, DNA Analysis, DNA CODIS Database			

<b>Job Title</b>	Forensic Scientist II	<b>Tenure</b>	August 2014-December 2015
<b>Employer</b>	Department of Public Safety, State of Alaska Scientific Crime Detection Laboratory; DNA Section		
Provide a brief description of principal duties:			
DNA Screening, DNA CODIS Database			

<b>Job Title</b>	DNA Analyst, CODIS Administrator	<b>Tenure</b>	August 2011-July 2-14
<b>Employer</b>	Greenville County DPS Forensics		
Provide a brief description of principal duties:			
Biological Screening, DNA Analysis, Maintenance and Supervision of CODIS Database			

<b>Job Title</b>	Graduate Research Scientist	<b>Tenure</b>	August 2009-August 2011
<b>Employer</b>	Clemson University Genetics & Biochemistry Department		
Provide a brief description of principal duties:			
Research and reporting on DNA Methylation in QTL chilling regions in <i>Prunus persica</i>			

<b>Job Title</b>	Genetics Lab Lecturer	<b>Tenure</b>	Summers 2011
<b>Employer</b>	Greenville County DPS Forensics		
Provide a brief description of principal duties:			
Biological Screening, DNA Analysis, Maintenance and Supervision of CODIS Database			

**Other Qualifications:** List below all personal certifications identifying the issuing organization and the dates; all scientific publications and/or presentations you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualifications.

<p>CTGN International Symposium on Genomics-Based Breeding in Forest Trees, UC Davis, August 2011 (Poster)                  DNA Methylation Profiles Differ Between High and Low Chill Vegetative Buds in (<i>Prunus Persica</i> L. Batsch) trees</p> <p>Plant and Animal Genome Conference, San Diego, January 2011 (poster)                  Dynamic Pattern of DNA Methylation During Chill Hour Accumulation in Leaf Buds of High and Low Chill Peach Tree Individuals</p> <p>8<sup>th</sup> Annual Ecological Genomics Symposium, Kansas State, November 2010 (poster)                  DNA Methylation Profiles Differ Between Low &amp; High Chill Peach (<i>Prunus persica</i> L.) Trees</p> <p>Research in Progress Seminar, Clemson University, September 2010 (presentation)                  From Genetics to Epigenetics for Chilling Requirement Control in <i>Prunus persica</i></p> <p>Senior Research Conference, Clemson University, December 2008 (presentation)                  Genetic Resources to Understanding the Suppression of supernodulation combined with molecular Analysis of a Floral Phenotype in <i>Medicago truncatula</i></p>
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