**Name: Danielle Ledford Date of Last Update: 5/21/2024**

**Job Title: Forensic Scientist III**

**Indicate all disciplines in which you currently perform testing or calibration work:**

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| [ ]  | **Seized Drugs** |  | [ ]  | **Blood Alcohol (Toxicology – Testing)** |
| [x]  | **Biology** |  | [ ]  | **Firearms/Toolmarks** |
| [ ]  | **Latent Prints (Friction Ridge)** |  | [ ]  | **Crime Scene** |
| [ ]  | **Breath Alcohol (Toxicology - Calibration)** |  | [ ]  | **Impressions (Footwear)** |

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

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| Body Fluid Identification, DNA-Nuclear  |

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

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| Institution  | Dates Attended | Major | Degree Completed |
| University of Alaska Fairbanks | 2001-2006 | Biochemistry | Bachelor of Science  |
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**Continuing Education:**  List formal coursework, conferences, workshops, in-service and other training received applicable to past and current forensic related positions.

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| Course Title | Source of Training | Date(s) of Training |
| Digital Photography for Law Enforcement  | Jim Wolfe, SCDL   | October 2009  |
| Advanced Photography for Law Enforcement  | Jim Wolfe, SCDL  | December 2009  |
| Documenting and Collecting Snow Impression Evidence  | Jim Wolfe, SCDL  | January 2010  |
| Latent Print Processing and Examinations  | SCDL  | April-August 2010  |
| Documenting and Collecting Snow Impression Evidence  | Jim Wolfe, SCDL  | August 2010  |
| Finding Latent Print Evidence with Chemistry and Light  | Brian Darlrymple and Dave Sibley, Ron Smith and Associates  | May 2011  |
| Collection of Fire Debris   | John Giacallone, SCDL  | June 2011  |
| DNA Evidence Identification & Preservation for Law Enforcement  | Tim Schade and Brian Chochran, University of Tennessee Law Enforcement Innovation Center (AK)  | July 2011  |
| Intermediate Forensic Digital Imaging   | David Witzke, SCDL  | July 2011  |
| Documenting and Collecting Soil Impression Evidence  | Jim Wolfe, SCDL  | August 2011  |
| Western Identification Network Fingerprint Classification, Comparison and Identification  | Dusty Clark, Helena Montana  | September 2011  |
| Advanced Forensic Digital Image Processing   | David Witzke, SCDL  | October 2011  |
| ABC’s of Forensic Biology  | Cheryl Duda, Stacey Johnson and Kristin Vaona, SCDL  | February 2012  |
| Canon-Photography Tip for Investigators  | State of Alaska  | February 2012  |
| Biological Fluid Identification   | SCDL  | March-June 2012  |
| Life Technologies/Applied Biosystems 7500 and 3500 training  | Kellie Fenesan and Melissa Kotkin, SCDL  | September 2012  |
| Life Technologies/Applied Biosystems 3500xl Genetic Analyzer & PowerPlex 16 System and Yfiler Validation Lectures and Data Analysis Training  | Joanne Squeglia and Melissa Kotkin, SCDL  | October 2012  |
| Regional Sexual Assault Investigation Training  | Alaska Police Standards Council  | May 29- 31, 2013  |
| Methods of Instruction   | Officer Todd Kerns, Anchorage Police Department  | July 29-August 2, 2013  |
| Life Technologies Teach Back: GlobalFiler Express Direct Amp Validation Lecture and Laboratory Training  | Jennifer Elliot, SCDL  | February 4-5, 2014  |
| Blooodstain Pattern Analysis  | Gardner and Griffin, SCDL  | August 25-29, 2014  |
| DNA Screening Training Completed  | SCDL  | 25 Nov 2014  |
| Life Tehnologies/ThermoFisher Teach Back Validation of Quantifiler Trio and Global Filer Kits  | Jennifer Elliot, SCDL  | March 3-5, 2015  |
| Science in the Courtroom – A Legal, Practical & Evidence-Based Guide for the Forensic Specialist  | Val Van Brocklin  | Aug 16–17, 2017  |
| Y-STR Training  | William Frank, SCDL (Illinois State Police)  | October 11-12, 2017  |
| Post Validation PowerPlex Y23 Training  | Jonelle Thompson, SCDL (Promega)  | March 28, 2018  |
| ISO/IEC 17025 Internal Auditor Training  | Emma Dutton, ANAB  | 17 Jun 2019 –  20 Jun 2019  |
| Y-screen assay, Data Collection v. 4 software overview  | Peterjon McAnany, Thermo Fisher Scientific  | 26 Jun 2019  |
| International Symposium for Human Identification (virtual conference – general session, Rapid DNA workshop, and Probabilistic Genotyping workshop  | Promega  | 14 Sep 2020 –  17 Sep 2020  |
| International Symposium for Human Identification (general session, Lawyer Proof Your Lab Workshop)  | Promega  | 13 Sep 2021 –  17 Sep 2021  |
| Qiagen Training – EZ2 and Qiacube Connect  | Carrie Mayes and Bryan Davis  | 18 May 2022  |
| ThermoFisher Training – RapidHit ID System  | Kristen Smith  | 25 Oct 2022  |
| CODIS Conference  | FBI | 11-Nov-2022 |
| Online Workshop Series: Probabilistic Genotyping of Evidentiary DNA Typing Results (Modules 3 (partial), 5 and 6 (partial) | Forensic Technology Center of Excellence Webinar | November 2023 |

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

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| Discipline or Category of Testimony | Period of Time in Which Testimony Occurred | Approximate Number of Times Testified |
| Latent Print Processing  | October 2012-Present (Anchorage, Nome, Bethel)  | 5   |
| Forensic Biology/Biological Fluid Identification  | May 2014-Present (Anchorage, Bethel, Kenai, Palmer, Nenana, Seward, Tok, Dillingham, Unalaska, Unalakleet, Naknek, Kodiak, Fairbanks, Ketchikan, Kotzebue, Cordova, Homer, Juneau), Norfolk, VA (US Court Martial)  | 44 |

**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.

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| Organization | Period of Membership | Offices or Positions Held/Dates |
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**Employment History:** List all scientific or technical positions held, particularly those related to forensic science. **List current position first.**

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| **Job Title** | Forensic Scientist  | **Tenure** | 03/12-Present  |
| **Employer** | Alaska Department of Public Safety Scientific Crime Detection Laboratory |
| Provide a brief description of principal duties: |
| Perform biological/DNA screening and DNA analysis on forensic casework.  |

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| **Job Title** | Forensic Technician I   | **Tenure** | 04/09-03/12 |
| **Employer** | Alaska Department of Public Safety Scientific Crime Detection Laboratory |
| Provide a brief description of principal duties: |
| Forensic Support to Forensic Scientist in the latent print section. Use light and chemical techniques to process items of evidence for latent prints and digitally preserve developed latent prints for later analysis.  |

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| **Job Title** | Micro Analyst I  | **Tenure** | 06/08-04/09 |
| **Employer** | Analytica Inc.  |
| Provide a brief description of principal duties: |
| Responsibilities include conducting various analytical testing according to documented Standard Operating Procedures on drinking water and wastewater, and reporting samples using a Laboratory Information Management System (LIMS) in a specified time frame. Other responsibilities include ordering and stocking supplies for the Micro lab, performing QC for the Wet Chemistry lab, and informing clients of positive bacterial results.  |

**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.

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