**Name: Rachael Tigner Date of Last Update: 12/19/2024**

**Job Title: Forensic Scientist III - DNA**

**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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| Individual characteristic database, 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  | May 2006 - December 2012  | Biological Science  | 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 |
| Forensic Biology  | University of Nebraska Kearney  | June/July 2013  |
| Molecular Biology  | University of Alaska Anchorage  | Sep-Dec 2013  |
| Microbiology  | University of Alaska Southeast  | Sep-Dec 2014  |
| CODIS 7.0  | CODIS Computer Based Training  | 17-21 Sep 2016  |
| DNA Mixture Analysis  | NicheVision Forensics, LLC  | 17-19 May 2016  |
| Science in the Courtroom – A Legal, Practical & Evidence-Based Guide for the Forensic Specialist  | Val Van Brocklin  | 16-17 Aug 2017  |
| Y-STR Training  | William Frank – Illinois Police Department DNA Technical Manager  | 11-12 Oct 2017  |
| Post Validation PowerPlex Y23 Training  | Jonelle Thompson, SCDL (Promega)  | 28 Mar 2018  |
| Y-STR Webinars (x3)  | Promega; various speakers  | 23-25 Apr 18  |
| Forensic ISO/IEC 17025:2017 Internal Auditor Training  | ANAB (Emma Dutton)  | 17–20 Jun 19  |
| HID Future Trends in Forensic DNA Technology  | ThermoFisher (Peterjon McAnany)  | 25-26 Jun 19  |
| Quality Assurance Standards Auditor Training  | FBI  | 1 Jul 2020  |
| International Symposium on Human Identification  | Promega  | 14-17 Sep 2020  |
| CODIS Conference  | FBI  | 8-10 Dec 2020  |
| Minimizing Bias and Enhancing Forensic Decisions   | Itiel Dror   | 17 Mar 2021 |
| International Symposium on Human Identification  | Promega  | 13-16 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  | 15-18 Nov 2022   |
| Root Cause Analysis: Being Effective when Implementing Corrective Action | Anja Einseln, Seaglass Training  | 9 May 2023 |
| 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 |
| STRmix Training | Laura Russell, Kevin Chen, Jo Bright | 8-11 Apr 2024 |
| Testimony Training (Daubert) | Ben McGough | 4-5 Jun 2024 |

**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 |
| Forensic Biology | June 2023 | 1 |
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**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 I/II/III  | **Tenure** | December 2020 – Present  |
| **Employer** | State of Alaska Scientific Crime Detection Laboratory  |
| Provide a brief description of principal duties: |
| Screening and DNA analysis of forensic casework.  |

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| **Job Title** | Forensic Scientist I  | **Tenure** | July 2015 – December 2020  |
| **Employer** | State of Alaska Scientific Crime Detection Laboratory  |
| Provide a brief description of principal duties: |
| Extract and analyze DNA samples obtained from arrestee and convicted offenders for entry into CODIS. Also responsible for equipment maintenance and reagent preparation.  |

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| **Job Title** | Forensic Technician I  | **Tenure** | July 2013 – July 2015  |
| **Employer** | State of Alaska Scientific Crime Detection Laboratory  |
| Provide a brief description of principal duties: |
| Evidence room operations and lab-wide support.  |

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| **Job Title** |  | **Tenure** |  |
| **Employer** |  |
| Provide a brief description of principal duties: |
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| **Job Title** |  | **Tenure** |  |
| **Employer** |  |
| Provide a brief description of principal duties: |
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| **Job Title** |  | **Tenure** |  |
| **Employer** |  |
| Provide a brief description of principal duties: |
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**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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