**Name: Jack Hurd** **Date of Last Update 5/8/2024**

**Job Title: Forensic Scientist**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Seized Drugs** |  |  | **Blood Alcohol (Toxicology – Testing)** |
|  | **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:**

|  |
| --- |
|  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Institution | Dates Attended | Major | Degree Completed |
| University of Alaska – Anchorage | 1986-1993 | Chemistry | B.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 | | |
| Clandestine Laboratory Investigating Chemists Association 33rd Annual Training Seminar, Salt Lake City, Utah | CLIC | | Sept 6-9, 2023 |
| Clandestine Laboratory Investigating Chemists Association 33rd Annual Training Workshop, Salt Lake City, Utah | CLIC | | 9/5/2023 |
| Root Cause Analysis & Review of Ethics, Impartiality and Confidentiality | Anja Einseln, President – Seaglass Training | | May 9-10, 2023 |
| Clandestine Laboratory Investigating Chemists Association 32nd Annual Training Seminar, Houston, Texas | CLIC | | Sept 7-10, 2022 |
| Clandestine Laboratory Investigating Chemists Association 32nd Annual Training Workshop, Houston, Texas | CLIC | | 9/6/2022 |
| ThermoFisher Webinar: “From powders to paint chips: Modern micro spectroscopy draws big information from tiny samples” | Dr. Michael Bradley – Product Manager  FTIR Spectrometer and microscopes (1 hour) | | 2/01/2022 |
| Agilent Webinar: “When Should I Change That? Ensuring Proper Instrument Performance for GC Agilent GC and GC/MS” - Educational Webinar Series | Alex Ucci – Agilent Application Engineer (1 hour) | | 12/14/2021 |
| Agilent Webinar: “Mass Spectrometer Troubleshooting - What to Check When Your Results Go Wrong” | Angela Smith Henry, Ph.D. - Applications Chemist (1 hour) | | 10/18/2021 |
| Agilent Webinar: “Stop the Bleed! Tips and Tricks on GC Column Bleed” - Agilent GC and GC/MS Educational Webinar Series | Alex Ucci – Agilent Application Engineer (1.5 hours) | | 10/14/2021 |
| Tune into your Mass Spec: Troubleshooting GC-MS and Tune Report Interpretation - Webinar | Angela Smith, PhD – Application Chemist  Agilent GC and GC/MS Educational Webinar Series (1.25 hours) | | 10/7/2021 |
| REGIONAL FENTANYL TRENDS, SAFETY & FIELD-TESTING TECHNOLOGY - Webinar | Roger Schneider - Phoenix Police Department Laboratory Services Bureau    Joshua Yohannan - Trace Drug and Chemistry Laboratory Manager, Allegheny Office of the Medical Examiner; Pittsburgh, PA    RTI International (1 hour) | | 9/7/2021 |
| The Use of a QuickProbe in the Analysis of Controlled Substances - Webinar | Erin Shonsey, PhD - Director of Research, Alabama Department of Forensic Sciences    RTI International (1 hour) | | 9/6/2021 |
| “Smart Connected Technology: The Next Evolution in Mass Spectrometry” - Webinar | David Edwards, Ph.D. - Senior Director, Marketing. Mass Spectrometry Division, Agilent Technologies, Inc.    RTI International (1 hour) | | 9/3/2021 |
| “Novel Psychoactive Substance Naming Conventions & Challenges” - Webinar | Dr. Donna Iula -Cayman Chemical; Ann Arbor, MI    Dr. Alex Krutulski - Center for Forensic Science Research and Education; Willow Grove, PA    Forensic Technology Center of Excellence (1 hour) | | 9/2/2021 |
| “Structural Characterization of Emerging Synthetic Drugs by Mass Spectrometry” - Webinar | Dr. Glen Jackson PhD - Department of Forensic and Investigative Science – West Virginia University    Forensic Technology Center of Excellence (1 hour) | | 9/2/2021 |
| “Synthetic & Emerging Drug Trends” | Moderator:  Mark Norman, PhD, Director of Field Applications, 908 Devices    Speaker: Bruce Gentner, Sr. Field Training Specialist, 908 Devices, Las Vegas Metro (Ret.) (1 hour) | | 6/8/2021 |
| “Minimizing Bias and Enhancing Forensic Decision Making” | Itiel Dror (PhD Harvard) - Cognitive Neuroscientist (3 hours) | | 3/17/2021 |
| “Kratom Abuse Is on The Rise: The Next Chapter in the Opioid Crisis!” - Webinar | Forensic Technology Center of Excellence – National Institute of Justice & ThermoFischer (1 hour) | | 3/11/2021 |
| Drug Exposures in the Forensic Laboratory: What We Know, What We Can Learn - Webinar | Forensic Technology Center of Excellence – National Institute of Justice (1.5 hours) | | 3/11/2021 |
| Unknowns Analysis Fundamentals – Agilent Webinar | Fundamentals of MassHunter by Kirk Lokits - Application Scientist (1 hour) | | 3/8/2021 |
| Introduction to HPLC – Lecture 1 (HPLC Basics) | ChemComplete – Professor Matthew Tomney (30 minutes) | | 3/8/2021 |
| Practical Approaches to Preparative Chromatography – Method Development of Preparative LC | Agilent Webinar (1 hour)  Carl Griffen – LC Application Chemist  Paul Dinsmoor – Large Molecule Application Engineer | | 02/09/2021 |
| Simple, Accurate and Reliable Quantification of THC and CBD in Cannabis-Infused Chocolate Edibles, baked goods and Candies | Agilent – Webinar (1 hour) | | 02/3/2021 |
| Clandestine Laboratory Investigating Chemists Association 30th Annual Training Seminar – Virtual    DEA Fentanyl Signature Profiling | CLIC – Chaired by Jack Hurd & DEA Special Testing & Research Laboratory – Jennifer R. Mitchell | | 10/01/20200 |
| Hemp/CBD Detection Webinar (Field Test Kit) | SIRCHIE | | 03/04/2020 |
| Marijuana or Hemp: From Farm Bill to Forensic Analysis | National Institute of Justice & RTI International - Webinar | | 01/15/2020 |
| Clandestine Laboratory Investigating Chemists Association 29th Annual Training Seminar, Philadelphia, PA | CLIC | | Sep. 4-7, 2019 |
| Manufacture of Tablets & Case Studies of Illicit Operations, CLIC Workshop - Philadelphia, PA | CLIC | | 09/03/2019 |
| Forensic ISO/IEC 17025:2017  Internal Auditor Training | Emma K. Dutton, Ph.D. – Instructional Designer | | June 17-20, 2019 |
| GC/IR Theory & Instrument Training | Bill Carson - Spectra Analysis | | Apr. 29 – May 1, 2019 |
| ThermoFisher Scientific (TFS) - Webinar | “The Opioid Crisis: What you need to know!” – Kim Mulcahy Product Manager TFS | | 06/21/2018 |
| DEA Webinar – Anchorage, AK | Synthetic Drug Threats in the United States: 2018 Update. Jill M. Head (Supervisory Chemist) – DEA Special Testing & Research Laboratory | | 02/28/2018 |
| Agilent Seminar – Anchorage, AK | Optimizing Important GC Parameters  Daron Decker, GC Columns Technical Specialist, Agilent | | 09/20/2017 |
| Science in the Courtroom | Val Van Brocklin | | Aug.16-17, 2017 |
| Bath Salts and Synthetic Drugs Workshop.  [TruNarc Training] – Anchorage, AK | Thermo Fisher Scientific | | 06/22/2017 |
| “Unveiling the Mysteries Behind HPLC and GC Resolution: From Theory to Practice in 30 minutes” - Webinar | Bryan Tweedy: Manager of the Office of Career & Professional Resources of the American Chemical Society.    Dr. Lee N. Polite: President & Founder of Axion Analytical Labs, Inc. | | 10/20/2016 |
| Clandestine Laboratory Investigating Chemists Association 26th Annual Training Seminar, Charleston, South Carolina | CLIC | | Sep. 7-12, 2016 |
| Refreshing Knowledge in Clan Lab Investigations & Basic Chemistry Concepts, CLIC Workshop - Charleston, South Carolina | CLIC | | 09/06/2016 |
| Clandestine Laboratory Investigating Chemists Association 25th Annual Training Seminar, Oklahoma City, Oklahoma | CLIC | | Sep. 9-12, 2015 |
| "Legal" Drug Use Through Chemistry: An Overview of the Synthetic Drug Dilemma. Presenter: Tate Yeatman | Webinar:  Justice Clearinghouse  Palm Beach County Sheriff's Office Crime Laboratory | | 04/16/2015 |
| Clandestine Laboratory Investigating Chemists Association 24th Annual Training Seminar, Vancouver, BC, Canada | CLIC | | Sep. 3-6, 2014 |
| Clandestine Laboratory Investigating Chemists Association 23rd Annual Training Seminar, Boston, Massachusetts | CLIC | | 09/02/14 |
| Introduction to Pharmacology, CLIC Workshop - Boston, Massachusetts | CLIC | | Sep. 4-7, 2013 |
| Salvia Summit II - Pasadena, CA. | Huntington Botanical Gardens | | Mar. 7-10, 2013 |
| Clandestine Laboratory Investigating Chemists Association 22nd Annual Training                         Seminar, Indianapolis, Indiana | CLIC | | 09/03/13 |
| Synthesis of Amphetamines from Phenyl-2-Propanone & Related Compounds, CLIC Workshop - Indianapolis, Indiana | CLIC | | 09/04/2012 |
| American Academy of Forensic Sciences 64th Annual Scientific Meeting, Atlanta, GA | American Academy of Forensic Sciences | | Feb. 23-25, 2012 |
| Modern Polarized Light Microscopy – Westmont Illinois | Hooke College of Applied Sciences | | Sep. 26-30, 2011 |
| Clandestine Laboratory Investigating Chemists Association 21st Annual Technical Training Seminar, Seattle, WA | CLIC | | Sep 7-10, 2011 |
| Inorganic Analysis, CLIC Workshop - Seattle, Washington | CLIC | | 09/06/2011 |
| Clandestine Laboratory Investigating Chemists Association 20th Annual Technical Training Seminar, Auckland, New Zealand | CLIC | | Nov. 3-6, 2010 |
| Weapons of Mass Destruction, CLIC Workshop - Auckland, New Zealand | CLIC | | 11/02/2010 |
| Clandestine Laboratory Investigating Chemists Association 19th Annual Technical Training Seminar, Birmingham, Alabama | CLIC | | Sep. 9-12, 2009 |
| Basic Methamphetamine Synthesis, CLIC Workshop - Birmingham, Alabama | CLIC | | 09/08/2009 |
| Clandestine Laboratory Investigating Chemists Association 18th Annual Technical Training Seminar, San Antonio, Texas | CLIC | | 09/08/2009 |
| Analysis of Natural Products, CLIC Workshop, San Antonio, Texas | CLIC | | Sep. 3-6, 2008 |
| Salvia Summit 2008 Lecture & Workshop – Aptos, CA | Cabrillo College | | 08/01-2/08 |
| Clandestine Laboratory Investigating Chemists Association 17th Annual Technical Training Seminar, Las Vegas, Nevada | CLIC | | Sep. 5-8, 2007 |
| Tryptamine and Phenethylamine Workshop, CLIC 2007 - Las Vegas, Nevada | CLIC | | 09/04/2007 |
| Special Topics in Forensic Drug Chemistry Symposium – Ames Iowa | Midwest Forensics Resource Center | | May 8-10, 2007 |
| Breath Test Operator Certification Course – Anch., AK | AK Scientific Crime Detection Laboratory | | 11/03/2005 |
| History of Microcrystal Tests for Drug Identification, Hiram K. Evans, Sciences, New Orleans, Louisiana | American Academy of Forensic Sciences | | 02/25/2005 |
| Practical Identity Using Microcrystal Tests, Wayne Moorehead, New Orleans, Louisiana | American Academy of Forensic Sciences | | 02/25/2005 |
| Analysis of Samples from Clandestine Methamphetamine Laboratories, (workshop)New Orleans, Louisiana | American Academy of Forensic Sciences | | 02/21/2005 |
| GC-MSD Troubleshooting & Maintenance -Alpharetta, GA | Agilent Technologies | | Jan. 11-13, 2005 |
| “Winning Courtroom Confrontations: A Seminar on How to be an Effective Witness in the Courtroom”.  Anch., AK | Valerie Van Brocklin, Law Enforcement Trainer | | 04/28/03 |
| Clandestine Laboratory Analysis & Synthesis, Jerry Massetti, Victor C. Reeve, Sacramento, CA | California Criminalistics Institute | | Jan. 17-21, 2003 |
| Forensic Digital Imaging - Anchorage, AK | Imaging Forensics, George Reis | | Jan. 6-8, 2003 |
| Association of Firearm and ToolMark Examiners, 32nd Annual Training Seminar, Newport Beach, California. | AFTE | | July 8-13, 2001 |
| Basic “Tactical Rifle” Armorers Course, Newport Beach, CA | Savage Arms, Inc. | | 07/11/2001 |
| Firearms & Toolmarks Intro. II, Sacramento, CA | California Criminalistics Institute | | Oct. 2-6, 2000 |
| Firearms & Toolmarks Intro. I, Sacramento, CA | California Criminalistics Institute | | Sep. 25-29, 2000 |
| Association of Firearm and Tool Mark Examiners, 31st Annual Training Seminar, St. Louis, Missouri | AFTE | | Jun. 11-16, 2000 |
| Firearms Safety Training Vandenburg, CA | California Criminalistics Institute | | Nov. 10-11, 1999 |
| Winning Courtroom Confrontations, Anchorage, AK | Valerie Van Brocklin | | 10/08/1999 |
| NIBIN/DRUGFIRE & APMS Training, Rosslyn, Virginia | Nichols Research | | June 22-25, 1999 |
| Drugs & Society (Jackie Long, Mick Mollica), Anch., AK | Northwest Association of Forensic Scientists | | 04/22/1999 |
| Forensic Art & Facial Reconstruction (Betty Pat Gatliff, Karen Taylor), Anchorage, AK | Northwest Association of Forensic Scientists | | 04/21/1999 |
| Clandestine Laboratory Overview for The Forensic Chemist (Roger Ely) Anchorage, AK | DEA & Northwest Association of Forensic Scientists | | 04/21/1999 |
| Courtroom Demeanor & Testimony (Ray Brown), Anchorage, AK | Northwest Association of Forensic Scientists | | 04/20/1999 |
| Basic Clandestine Laboratory Safety Certification Program, Anchorage, AK | DEA | | Dec. 7-11, 1998 |
| Clandestine Laboratory Investigations, Anchorage, AK | Multijurisdictional Counterdrug Task ForceTraining: Florida National Guard, Criminal Justice Institute | | Oct. 6-8, 1998 |
| DEA Forensic Chemist Seminar, Fairfax, Virginia | DEA | | Dec. 8-12, 1997 |
| Crime Scene Response Team Training: - Trace Evidence | ASCDL | | 02/11/97 |
| Crime Scene Response Team Training: Documenting and Collecting Snow Impressions | ASCDL | | 01/14/97 |
| Crime Scene Response Team Training: Blood Collection/Presumptive Testing | ASCDL | | 12/10/96 |
| Crime Scene Response Team Training: Fingerprints and AAFIS | ASCDL | | 11/12/96 |
| Crime Scene Response Team Training: Photography/Video Taping Crime Scenes | ASCDL | | 10/08/96 |
| Crime Scene Response Team Training: Basic Use of Camcorder | ASCDL | | 09/16/96 |
| Crime Scene Response Team Training: - Crime Scene Diagramming | ASCDL | | 09/10/96 |
| Crime Scene Response Team Training: - Evidence Evaluation/Documentation, Collection/Packaging | ASCDL | | 01/09/96 |
| Crime Scene Response Team Training: Photography | ASCDL | | 12/14/95 |
| Crime Scene Response Team Training: Preliminary Processing | ASCDL | | 10/24/95 |
| Law Enforcement Video Class & Workshop, Anch., AK | U.S. Dept. of Justice & Alaska Peace Officers Assoc. | | Nov. 4-8, 1996 |
| Breath Alcohol Supervisor School | ASCDL | | Sep. 22-27, 1996 |
| Black & White Photography Course | University of Alaska-Anchorage | | Jan-May 1996 |
| Crime Scene Investigation Course Anchorage, AK | Anchorage Police Department | | Jan. 15-19, 1996 |
| Crime Scene Reconstruction Workshop (Dr. Henry Lee) & Crime Scene Investigation (Dr. Richard Saferstein) | Northwest Association of Forensic Scientists – Anchorage, AK | | May 10-12, 1995 |

**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 |
| Controlled Substances | From 1996 to present | 242 |
| Physical Matching | From 1998 to present | 2 |

**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 |
| Clandestine Laboratory Investigating Chemist Assoc. | September 2023 | Life Member |
| Clandestine Laboratory Investigating Chemist Assoc. | Sept. 2021 – Sept. 2022 | Executive Board Member – Past President |
| Clandestine Laboratory Investigating Chemist Assoc. | Aug. 2020 – Sept. 2021 | Executive Board Member – President |
| Clandestine Laboratory Investigating Chemist Assoc. | Sept. 2019 – Aug.2020 | Executive Board Member – Vice President |
| Clandestine Laboratory Investigating Chemist Assoc. | Sept. 2007 - Present | Member |
| Clandestine Laboratory Investigating Chemist Assoc. | Sept. 2012 - 2016 | Executive Board Member (2 terms) - Member at Large |
| Clandestine Laboratory Investigating Chemist Assoc. | Sept. 2014 - Present | Historical Committee |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Job Title** | Forensic Scientist I-III | **Tenure** | 1996-Present |
| **Employer** | Alaska Department of Public Safety Scientific Crime Detection Laboratory; Anchorage, Alaska | | |
| Provide a brief description of principal duties: | | | |
| Controlled substance analysis; court testimony | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Job Title** | Laboratory Technician I | **Tenure** | 09/95 - 10/96 |
| **Employer** | Alaska Department of Public Safety Scientific Crime Detection Laboratory; Anchorage, Alaska | | |
| Provide a brief description of principal duties: | | | |
| Evidence custodian; crime scene investigations, assist in all areas of laboratory. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Job Title** | Chemist | **Tenure** | 08/94 - 08/95 |
| **Employer** | Analytical Technologies, Inc. Anchorage, Alaska | | |
| Provide a brief description of principal duties: | | | |
| Analysis & identification of petroleum hydrocarbons | | | |

**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.

|  |
| --- |
| **PRESENTATIONS:**  "Forensic Research on Salvia" - Salvia Summit II Huntington Botanical Gardens Pasadena, CA.  (March 8, 2013)    Salvia divinorum Botanical Identification - Analysis of Natural Products Workshop – CLIC. San  Antonio, Texas (September 2, 2008)    Salvia divinorum presentation - Midwest Forensics Resource Center; Ames, Iowa (May 9, 2007)  **RESEARCH:**  Chemical Chaos/Chemical Pattern Formations, University of Alaska-Anchorage, 1991-1993  Salvia divinorum, Alaska Scientific Crime Detection Laboratory, 2008-2011  **PUBLISHED PAPERS:**  “Statistical comparison of mass spectra of salvinorins in *Salvia divinorum* and related *Salvia* species” – Forensic Chemistry (Accepted October 30 2019) Volume 17, March 2020  "Marquis Color Test for the Preliminary Differentiation of the Positional Isomers 2,3-Methylenedioxymethcathinone and 3,4-Methylenedioxymethcathinone" - Clandestine Laboratory Investigating Chemists Association Journal: Volume 25 Number 2 - April 2015  "Determination of Salvinorin A in a Variety of Salvia Species" - Clandestine Laboratory Investigating Chemists Association Journal: Volume 23 Number 1 - January 2013  **CLASSES TAUGHT TO LAW ENFORCEMENT PERSONNEL:**  Physical Evidence at Crime Scenes  12/10-12/03 Village Police Officers, Anchorage, Alaska  11/10-11/99 Village Police Officers, King Salmon, Alaska  11/23-25/98 ALET #20, DPS Training Academy, Sitka, Alaska  11/24-26/97 ALET #18, DPS Training Academy, Sitka, Alaska  04/07-11/97 Village Public Safety Officer Training Academy, King Salmon, AK  11/19-21/96 ALET #16, DPS Training Academy, Sitka, Alaska  Controlled Substances  Apr. 2016 Drugs in Alaska; Color Testing of Controlled Substances, DEA Basic Course, Anchorage  Feb. 2014 Drugs in Alaska, Anchorage  Mar. 2013 Drugs in Alaska, Anchorage  May 2008 Matsu Valley & Airport Police, Anchorage, Alaska  Beta Tester (Reviewer) - Chemical Spot Tests for Illicit Drugs - Online Course; West Virginia University Forensic Science Initiative, Sherry Kuehn [Continuing & Professional Education Coordinator], May 2011  Beta Tester (Reviewer) – Introduction to Drug Chemistry - Online Course; West Virginia University Forensic Science Initiative, Samantha Huffman [Instructional Coordinator], May 2008  Served on a panel of six (6) as a subject matter expert for developing a curriculum for the American Board of Criminalistics ABC certification examination; September 4-5, 2022. (Houston, TX) |