

**Anisha Paul, M.S.F.S., D-ABFT-FT**  
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## **EDUCATION**

- M.S.** Masters of Science in Forensic Science (May 2013) Arcadia University; Glenside, PA
- P.G.D.** Post Graduate Diploma in Bioinformatics (April 2011), Osmania University; Hyderabad, India
- B.Sc.** Bachelors of Science [*Triple Major*] [1] Biochemistry [2] Microbiology [3] Chemistry (May 2010)  
St. Francis Degree College; Hyderabad, India

## **BOARD CERTIFICATION**

Diplomate of the American Board of Forensic Toxicology (D-ABFT-FT) **9/2021—Present**

## **PROFESSIONAL EXPERIENCE**

### **Forensic Chemist IV-Toxicology Section Vermont Forensic Laboratory**

**10/2020—Present**

- Performs toxicological analysis for drugs in whole blood using the Randox Evidence Investigator and Waters TQ-S Micro instruments
- Analyzes blood for ethanol content using Perkin Elmer Clarus 580 Gas Chromatograph (GC) coupled with Flame Ionization Detector (FID)
- Validates new methodology and instrumentation using ANSI/ASB guidelines for drugs in whole blood DUI samples
- Reviews documentation and interprets case information for retrograde extrapolation calculations
- Working knowledge and experience with Laboratory Information Management Systems (LIMS)
- Provides oversight, mentorship, goal setting, technical training and review of new employees in the department
- Reviews current literature and studies on alcohol and drug pharmacology, physiology and testing
- Provides expert witness testimony regarding alcohol and drug physiology, pharmacology and testing procedures
  - Previously - **Forensic Chemist III: April 2018-October 2020**  
**Forensic Chemist II: October 2017-April 2018**

### **Adjunct Professor- ITS Faculty Champlain College**

**01/2017—Present**

- Facilitates learning of biology, genetics, chemistry, entomology, and physics involved in the forensic investigation of crimes
- Demonstrates competency in basic chemical and biological lab procedures, including the identification of various compounds, the forensic analysis of DNA and blood typing
- Applies scientific principles of crime scene investigation and reconstruction, including evidence collection, preservation, and documentation
- Summarizes the criminal justice system and explain the role of a forensic scientist and physical evidence within the criminal justice system

**Scientist- Confirmations Department****12/2015—10/2017****Aspenti Health**

- Performed clinical testing for drugs of abuse using various confirmation methods
- Performed routine maintenance and conducted instrument troubleshooting on Sciex, Shimadzu, and Agilent LC-MS/MS when required
- Communicated with clinicians and counselors to interpret reported results
- Provided technical training of new employees in the department
- Conducted annual safety audits, OSHA trainings, and safety tours for employees as safety officer

**Lab Support Specialist II- LCMS Department****8/2013—11/2015****NMS Labs**

- Routinely performed analytical testing and reviewed case documentation
- Conducted maintenance on Waters LC-MS/MS instruments and conducted advance instrument troubleshooting when required
- Assisted with training and professional development of new employees in the department

**Lab Intern- Metals Department****6/2013—8/2013****NMS Labs**

- Performed analytical testing under supervision
- Conducted routine maintenance and troubleshooting on the Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and Ion Chromatography (IC) instruments

**PROFESSIONAL MEMBERSHIPS**

<b>2023-Present</b>	National Safety Council – Cannabis Division
<b>2021-Present</b>	International Alliance of Clinical and Forensic Toxicologists (IACFT)
<b>2020-Present</b>	National Safety Council -Alcohol, Drugs, and Impairment Division (NSC-ADID)
<b>2020-Present</b>	Council of Forensic Science Educators (COFSE)
<b>2019-Present</b>	Society of Forensic Toxicologists (SOFT)
<b>2016-Present</b>	North Eastern Association of Forensic Scientists (NEAFS) <ul style="list-style-type: none"><li>○ January 2022 – Director, Board of Directors</li><li>○ January 2019 – January 2022 Membership Chair</li></ul>
<b>2008-2013</b>	American Academy of Forensic Sciences (AAFS)

**PROFESSIONAL TRAINING, MEETINGS, AND WORKSHOPS**

<b>2023</b>	New England Area Toxicologists (NEAT) Annual Meeting, Maynard, MA
<b>2023</b>	Introduction to Drug Categories in Drug DUI Cases, TSRP webinars
<b>2022</b>	SOFT Annual Meeting, Cleveland, OH
<b>2022</b>	SOFT Workshop – There's Something about Fentanyl
<b>2022</b>	SOFT Workshop – Drugs and Behavior: The Role of Forensic Toxicology
<b>2022</b>	NEAFS Annual Meeting, Niagara Falls, NY
<b>2022</b>	Judge – NEAFS Peter R. De Forest Student Research Award, Niagara Falls, NY
<b>2022</b>	Instructor – NEAFS Student Workshop, Niagara Falls, NY
<b>2022</b>	Know Your Limit: Vermont Impaired Driving Summit VDTSEA Spring Conference
<b>2022</b>	New England Area Toxicologists (NEAT) Annual Meeting, Maynard, MA
<b>2021</b>	ANAB Forensic Internal Auditing to ISO/IEC 17025:2017; Instructor-led Remote Learning

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**2021** NEAFS Annual Meeting, Newport, RI  
**2021** Session Chair – NEAFS Student Forum  
**2021** Judge – NEAFS Peter R. De Forest Student Research Award, Newport, RI  
**2021** SOFT Annual Meeting, Nashville, TN  
**2021** SOFT Workshop – Guidelines for Performing Alcohol Calculations in Forensic Toxicology; Nashville, TN  
**2021** SOFT Workshop – The Importance of Collaboration: The Three-Legged Stool (DRE, Toxicology, and Prosecution); Nashville, TN  
**2021** Identifying the Possible Impaired Driver; Maine Impaired Driving Summit  
**2021** International Association of Chemical Testing (IACT) Virtual Annual Meeting  
**2021** IACT Workshop – Recommended Specimens, Scope, Cutoffs, and Strategies for DUI/D Testing and the Impact of Stop Testing Limits  
**2021** IACT Workshop – Development and Validation: Plan, Execute, Succeed  
**2021** IACT Workshop – Alcohol Concentration Extrapolation  
**2021** IACT Workshop – Quality Assurance and Uncertainty of Measurement: Fundamentals and Implementation  
**2021** IACT Workshop – Better Than Managing: Generating Positive Results Through Effective Leadership  
**2021** American Academy of Forensic Sciences (AAFS) Virtual Annual Meeting  
**2020** Road Safety Webinar; Intoximeters  
**2020** Marijuana or Hemp: From Farm Bill to Forensic Analysis; RTI International  
**2020** NEAFS Virtual Annual Meeting  
**2020** Session Chair – NEAFS Student Forum  
**2020** Session Chair – NEAFS Toxicology session  
**2020** SOFT Virtual Annual Meeting  
**2019** Advanced Roadside Impaired Driving Enforcement training (A.R.I.D.E.); Vermont Police Academy, Pittsford, VT  
**2019** NEAFS Annual Meeting, Lancaster, PA  
**2019** Session Chair – NEAFS Student Forum  
**2019** Judge – NEAFS Peter R. De Forest Student Research Award, Lancaster, PA  
**2019** NEAFS Workshop – Validating your Leadership Methods for Forensic Laboratory Professionals; Lancaster, PA  
**2019** Robert F. Borkenstein course on Effect of Drugs on Human Performance and Behavior; Long Beach, CA  
**2019** SOFT Annual Meeting, San Antonio, TX  
**2019** SOFT Workshop – Best Practices for Investigation of Overdose Deaths; San Antonio, TX  
**2019** SOFT Workshop – Oral Fluid Toxicology: Workplace Testing, Pain Management and DUI; San Antonio, TX  
**2018** NEAFS Annual Meeting, Bolton Landing, NY  
**2018** Session Chair – NEAFS Student Forum  
**2018** Judge – NEAFS Peter R. De Forest Student Research Award, Bolton Landing, NY  
**2018** NEAFS Workshop – The 2017 version of ISO/IEC 17025 and related ANAB Forensic Science Accreditation Requirements; Bolton Landing, NY  
**2018** Interpretative Toxicology for Novel Psychoactive Substances in forensic casework; CFSRE

<b>2018</b>	Maintaining ACQUITY UPLC Systems; Waters Corporation, Milford MA
<b>2018</b>	Creating Great Separations; Waters Corporation, Albany NY
<b>2018</b>	The Chromatography Detective: Troubleshooting Tips and Tools for LC and LC/MS; Agilent Technologies
<b>2017</b>	Robert F. Borkenstein course on Alcohol and Highway Safety; Indiana University
<b>2017</b>	NEAFS Annual Meeting, Pocono Manor, PA
<b>2017</b>	Session Chair – NEAFS Toxicology session
<b>2017</b>	NEAFS Workshop – Finding the right answer the first time with Mass Spectrometry and Spectroscopy; Agilent Technologies, Pocono Manor PA
<b>2017</b>	The Advances, Benefits, and Challenges of Oral Fluid Testing in Forensic Toxicology; Thermo Scientific
<b>2017</b>	Operation of DataMaster (DMT) breath testing Instruments; Vermont Police Academy; Pittsford, VT
<b>2017</b>	Fentanyl analogs Pharmacology, Toxicology, and Analysis; NMS Labs
<b>2016</b>	NEAFS Annual Meeting, Atlantic City, NJ
<b>2016</b>	NEAFS Workshop – Analytical Instrumentation experiences; Shimadzu Corporation
<b>2015</b>	Forensic Toxicology Certification; CFSRE, Philadelphia PA
<b>2013</b>	AAFS Annual Meeting, Washington D.C.

#### **PRESENTATIONS & POSTERS**

- **Paul, A.** Keep Calm and Trust Toxicology: From Testing to Testimony
  - Department of State's Attorneys and Sheriffs Annual Meeting, East Burke, VT (June 2023)
- **Paul, A.** What can ANSI/ASB 036 do for you?
  - New England Area Toxicologists (NEAT) Annual Meeting, Maynard, MA (May 2023)
- **Paul, A.** Drug Categories in Drug DUI Cases: CNS Stimulants - The Toxicologist [Virtual Presentation]
  - Florida Traffic Safety Research Prosecutors (TSRP) Program, (February 2023)
- **Paul, A., Belec, A.** Interviewing/Job Prospects. What to do and why?
  - NEAFS Annual Meeting, Niagara Falls, NY (October 2022)
- **Paul, A.** Forensics in the Western World [Virtual Presentation]
  - St. Ann's College for Women, Hyderabad, India (February 2022)
- **Paul, A.** Detection and Quantitation of Opiates, Opioids, and Stimulants in Whole Blood using SPE and UPLC-MS/MS Analysis
  - NEAFS Annual Meeting, Virtual (October 2020)
- **Paul, A.** Method Validation- A View from Behind the Scenes
  - NEAFS Annual Meeting, Lancaster, PA (November 2019)
- **Paul, A.** Analysis of THC and its Metabolites in Whole Blood using Oasis PRiME  $\mu$ Elution plates
  - Waters Corporation, Beverly, MA (May 2019)
- **Paul, A.** Forensic Scientists: The Bloodhounds in the Background [Virtual Presentation]
  - Stiftelsen Tromsø International school, Tromsø, Norway (September 2018)
- **Paul, A.** Going Deeper, The Forensic Analysis of Methamphetamine and Benzodiazepines
  - The Center for Forensic Science Research Foundation, Willow Grove, PA (January 2013)
- **Paul, A., Dr. Logan, B., Yeakel, J.,** Method Development and Validation for the Analysis of Fatty Acid Amide Hydrolase (FAAH) Inhibitors using Gas Chromatography Mass Spectrometry (GC/MS) and Liquid Chromatography Mass Spectrometry (LC/MS)
  - American Academy of Forensic Sciences, Washington D.C (February 2013)
  - PA Forensic Science student research exchange symposium, Penn State University (April 2013)

- Chromatography Forum of Delaware Valley, Philadelphia (March 2013)
- **Paul, A.**, Melili, B.; Trouillot, C., Whitest, D., Dr. Logan, B.; Korn, W. Method Development and Validation for the Analysis of Fatty Acid Amide Hydrolase (FAAH) Inhibitors
  - Forensic Mentoring Institute (FMI) and The Center For Forensic Science Research Education (CFSRE), Willow Grove, PA (August 2012)