
ALYSSA TURIN

144 Laurel Crest Dr, Wexford, PA 15090 | H: 724-875-8549 | turinalyssa@gmail.com

Summary

Experienced scientist with training in various laboratory practices and instrumentation. Seeking a new challenge that can further progress an individual's career and still have a positive impact on society.

Skills

- ABI 7500 Real Time PCR
 - ABI 9700 PCR
 - ABI 3130, 3730 Genetic Analyzer
 - Various DNA extraction techniques
 - Qiagen QIAcube
 - Qiagen QIAgility
 - Nextseq500
 - FTIR/ATR
 - Microscopy
 - Clarity LIMS
 - Chemical color tests
 - Liquid-liquid extractions
 - Solid phase extractions
 - GC-MS
 - UV-Vis Spectroscopy
 - Roche MagNa Pure 96
-

Experience

- Molecular Genomic Specialist I/II** **6/2021 to**
7/2023 (Specialist I), 7/2023-present (Specialist II)
UPMC **Pittsburgh, PA**
Provide responsible and accurate advanced molecular testing for use in the diagnosis and treatment of patients and in the evaluation of a patient's response to treatment. Apply competent clinical knowledge to achieve accurate clinical testing which leads to quality patient care outcomes.
- Special Agent Forensic Scientist (Drug Chemistry)** **10/2017 to 6/2021**
Tennessee Bureau of Investigation **Knoxville, TN**
Analyze evidence for the presence or absence of legally significant compounds that include but are not limited to controlled substances, substances that have the potential to be abused, and precursors to these compounds. I am also part of the Violent Crimes Response Team (VCRT) in which we document and process evidence related to crime scenes.
- Teaching Assistant** **08/2016 to 08/2017**
Duquesne University **Pittsburgh, PA**
Prepared and ran labs for: Forensic Molecular Biology (BIOL 579), and DNA Methods and Population Genetics (BIOL 530W)
- Intern** **06/2015 to 07/2015**
Pennsylvania State Police Forensic DNA Division - **Greensburg, PA**
Validation of two Y-STR kits for implementation into the lab
-

Education and Training

- Master of Science: Forensic Science and Law** **2017**
Duquesne University Pittsburgh, PA
- Bachelor of Arts: Biochemistry, Biology Minor** **2016**
Duquesne University Pittsburgh, PA
-

Independent Research

Quality of DNA Profiles After Multiple Secondary Transfers of Semen

Spring 2016-Spring 2017

- Comparing profiles generated after multiple transfer events of semen
- Organic and DNA IQ Extraction
- RT- PCR, PCR, and 3130 Genetic Analyzer

Leadership Trainings

TBI Director's Academy

May 2021

- Avoiding the Gray: Ethics in the Workplace
- Dealing Tactfully with Difficult People and Situations
- Strengths-Based Leadership
- Leadership Theory 101
- Succeeding Under Stress