

Shely N. Cava

Associate Toxicologist

Education:

- 2017 **Master of Science – Environmental Health & Toxicology**, Colorado State University – Fort Collins, CO
- Trained in pharmaceutical, forensic, environmental, occupational, and regulatory toxicology; public & environmental health, foodborne illness, regulatory compliance, risk assessment, A.D.M.E., PK/PD studies, molecular toxicology techniques, and advanced laboratory skills.
- 2010 **Bachelor of Science – Criminology & Forensic Chemistry (Criminalistics)**, Metropolitan State University of Denver – Denver, CO

Work History:

- 2016 – 2019 **Associate Toxicologist**, Affygility Solutions, LLC
- Responsible for all Quality Control of documents for a wide variety of clients.
 - Extensive research and writing experience of pharmaceutical monographs, Environmental Risk Assessments, and Industrial Hygiene data analysis for clientele.
 - Familiarity and expertise with FDA, REACH, and EMA regulatory requirements pertaining to the pharmaceutical industry.
- 2014 **Laboratory QA/QC & Technical Support**, Hach Corporation
- Quality assurance, technical support, and advanced troubleshooting skills acquired.
 - Exceptional compliance standards knowledge for all products, chemicals, and instrumentation distributed worldwide.
 - Experience with analytical and microbiological testing methodologies for water-borne pathogens.
- 2012-2013 **Toxicology Intern**, Colorado Dept. of Public Health & Environment
- Internship for M.Sc. in Toxicology.
 - Extensive familiarization with high volume, fast-paced laboratory.
 - Testing methodology, chain of custody and QA/QC training; EMIT, ELISA, GC/MS, LC/MS and GC-FID experience obtained.

- Compilation of scientific data and specialized research to be used during expert toxicological testimony in criminal court proceedings.

2011

Laboratory Technician, Forensic Laboratories

- Daily work with laboratory samples in fully operational CLIA certified forensics laboratory.
- Experience testing drugs of abuse for law enforcement agencies and pain management facilities.
- Fluency with LIMS, data entry, sample preparation, QA/QC, and chain of custody.
- Part-time position while working full-time to gain industry experience prior to attending graduate school.

2008-2010

Internship-Research/Teaching Assistant, Metropolitan State University of Denver

- Responsible for completing and compiling extensive research for a textbook project directed by the department chair and several faculty members.
- Teaching Assistant for department chair and associate professor in forensic chemistry department.
- Set up lab experiments, prepared reagents/instrumentation for laboratory experiments, instructed students on proper procedures, use of equipment, and chemicals in the lab and supervised lab activities and illicit drug compounds in the professor's absence, assisted students with class-related issues.

Technical Skills:

- Strong laboratory and QA/QC skills
- Certified in chain of custody, outbreak response, cGLP, and small animal research surgery
- Familiarization with GC/MS, LC/MS, GC-FID, ICP-MS; Microbiological testing including membrane filtration, Gel Electrophoresis, RNA/DNA extractions, PCR/RT-PCR
- Exemplary technical/scientific report writing and computer skills