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| NAME: | Ashley Ann Johnson, M.S. | DATE: | 2/28/2023 |
| LABORATORY: | Houston Forensic Science Center | | |
| JOB TITLE: | Forensic Scientist-Toxicology | | |

Indicate all disciplines in which you do casework:

| | | | |
|--------------------------|-------------------|-------------------------------------|----------------------|
| <input type="checkbox"/> | Seized Drugs | <input type="checkbox"/> | Forensic Biology/DNA |
| <input type="checkbox"/> | Crime Scene | <input type="checkbox"/> | Latent Prints |
| <input type="checkbox"/> | Digital Forensics | <input checked="" type="checkbox"/> | Toxicology |
| <input type="checkbox"/> | Firearms | <input type="checkbox"/> | Forensic Audio/Video |

List all categories or sub-disciplines in which you do casework:

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| Human performance toxicology: Alcohol Analysis, Drug Screen by Immunoassay, Gas Chromatography Mass Spectrometry Analysis |
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Texas Forensic Science Commission (TFSC) Licensing

Per TFSC section 651.203, starting January 1, 2019, the following disciplines are subject to licensing: Seized Drugs, Toxicology, Forensic Biology & Firearms/Toolmarks. If applicable, select the type of license issued by TFSC (Select N/A if not applicable):

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|-------------------------|-------------------------------|
| Type of License: | Toxicologist (Interpretative) |
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Certifications:

| Organization | Discipline | Type/Level (N/A if not applicable) |
|-----------------------------|----------------------------|---------------------------------------|
| ASCP Board of Certification | Medical Laboratory Science | MLS ^{CM} |

Education:

List all higher education institutions attended (list high school if no college degree has been attained)

| Institution | Dates Attended | Major | Type of Degree Earned |
|--------------------------------------|---------------------------|---|-----------------------|
| The University of Texas at Austin | August 2006 – August 2011 | Clinical Laboratory Sciences | Bachelor of Science |
| UT Health Science Center San Antonio | August 2011 – May 2013 | Clinical Laboratory Sciences-Toxicology | Master of Science |
| The University of Texas at Austin | August 2016 – May 2018 | Master of Business Administration | Master Degree |

Other Training:

List continuing education, workshops, in service, and other formal training received. Please include the course title, source, and dates of training.

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| <ul style="list-style-type: none"> TFSC Criner/Colone Report Training: HFSC Quality Division, Virtual, December 22, 2022 to February 13, 2023 TFSC Mandatory Legal and Professional Responsibility Course: Texas Forensic Science Commission, Virtual, November 20, 2022 |
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- Overview of the Advanced Roadside Impaired Driving Enforcement (ARIDE) Program: HPD Sergeant Salvador Corral, Houston Forensic Science Center, November 16, 2022
- 2022 Ethics Training: HFSC Quality Division, Houston, Texas, November 7, 2022
- SOFT 2022 Scientific Sessions: Society of Forensic Scientists, Cleveland, Ohio, November 2, 2022 to November 4, 2022
- SOFT 2022 Workshop 9: Driving Under the Influence – NPS Benzodiazepines: Society of Forensic Toxicologists, Cleveland, Ohio, November 1, 2022
- SOFT 2022 Workshop 6: Drugs and Behavior: The Role of Forensic Toxicology: Society of Forensic Toxicologists, Cleveland, Ohio, November 1, 2022
- SOFT 2022 Workshop 2: Work Smarter, Not Harder – Process Improvements and Automation: Society of Forensic Toxicologists, Cleveland, Ohio, October 31, 2022
- Testimony Training 2022: HFSC Quality Division, Houston, Texas, October 20, 2022
- NPS in Combination with Everything: SOFT Webinar, Virtual, June 7, 2022
- First Aid CPR AED Program: American Heart Association Heart Saver®, Houston Forensic Science Center, Houston, Texas, April 14, 2022
- TFSC Disclosure Training: HFSC Quality Section, Virtual, February 24, 2022
- Forensic ISO/IEC 17025:2017 Technical Assessor Training: ANAB, Virtual, February 21, 2022 to February 25, 2022
- Annual Safety Training – Basic Safety and Health, Bloodborne Pathogens, Compressed Gas Cylinder, Hazard Communications GHS, Personal Protective Equipment, Safety Showers and Eye Washes, and Stress Management and Prevention Modules: Texas Mutual Safety Services e-learning, Virtual, January 14, 2021 to January 31, 2021
- Introduction to Pharmacology: Dayong Lee, James Miller, and Sara Dempsey, Houston Forensic Science Center, Virtual, January 19, 2022
- Autumn 2021 IACFT Virtual Meeting: CFSRE, Virtual, November 2-3, 2021 (Live) and January 14, 2022 (On Demand)
- Why Reviews Matter: HFSC Quality Section, Virtual, January 10, 2022
- How Do I Choose? A Guide to HPLC Column Selection: Agilent, Virtual, December 16, 2021
- When Should I Change That? Ensuring Proper Instrument Performance for GC: Agilent, Virtual, December 14, 2021
- Ethics Training 2021: HFSC Quality Section, Virtual, September 12, 2014
- Headspace Analysis Just Got Smarter...Introducing Agilent's New 8697 Headspace Sampler: Agilent, Virtual, August 18, 2021
- 2021 Current Trends in Forensic Toxicology Day 2: CFSRE, Virtual, June 1, 2021
- Annual Safety Training – Basic Safety and Health, Bloodborne Pathogens, Compressed Gas Cylinder, Hazard Communications GHS, Personal Protective Equipment, Safety Showers and Eye Washes, and Stress Management and Prevention Modules: Texas Mutual Safety Services e-learning, Virtual, January 30, 2021 to February 1, 2021
- TFSC Mandatory Legal and Professional Responsibility Course: Texas Forensic Science Commission, Virtual, November 16, 2020
- SOFTember 2020 Scientific Sessions: Society of Forensic Toxicologists, Virtual, September 23, 2020 to October 21, 2020



- HFSC Quality Manual Case Record Review Refresher Training: Annalivia Harris, Houston Forensic Science Center, Virtual, August 20, 2020
- Ethics Training 2020: HFSC Quality Section, Virtual, July 28, 2020
- GC Analysis Workshop – Tips, Tricks and Tools: Chromatographic Methods to Speed Up Your Analytical Analysis and Increase Your Throughput Webinar: Shannon Colman, Agilent, Virtual, June 6, 2020
- Continuing Education Video: HFSC Quality Section, Virtual, May 20, 2020
- Testimony Video: HFSC Quality Section, Virtual, April 27, 2020
- Annual Safety Training – Basic Safety and Health, Bloodborne Pathogens, Compressed Gas Cylinder, Hazard Communications GHS, and Personal Protective Equipment Modules: Texas Mutual Safety Services e-learning, Virtual, February 16, 2020
- First Aid CPR AED Program: American Heart Association Heart Saver®, Houston Forensic Science Center, Houston, Texas, January 30, 2020
- Introduction to LC-MS/MS with Application to Forensic Chemistry: Don Noot, Agilent, Houston, Texas, December 3, 2019 and Dayong Lee, Houston Forensic Science Center, Houston, Texas, December 12-13, 17, 2019
- 2019 Meeting of The Southwestern Association of Toxicologists, Houston, Texas, May 2-3, 2019
- Wednesday Workshop: Southwester Association of Toxicologists, Houston, Texas, May 1, 2019
- Testimony Training Workshop, Houston Forensic Science Center, Houston, Texas, April 18, 2019
- Forensic Pharmacology: Lionel Raymon of The Center for Forensic Science Research and Education, Webinar, November 5-7, 2018.
- Bloodborne Pathogens-C: Texas Mutual Safety Services e-Learning, Virtual, October 21, 2018
- Compressed Gas Cylinder-C: Texas Mutual Safety Services e-Learning, Virtual, October 21, 2018
- Communication Training: Ramit Plushnick-Masti, Houston Forensic Science Center, Houston, Texas, October 17, 2018
- Statistical Refresher Workshop: Dr. Elena Grigorenko (University of Houston), Houston Forensic Science Center, Houston, Texas, September 28, 2018
- Tecan Webinar: “Care & Feeding of Your Tecan Robot”: Rick Luedke (Sr. Market Manager) of Tecan, Virtual, June 12, 2018
- Cognitive Bias Workshop: Dr. Itiel Dror, Houston Forensic Science Center, Houston, Texas, October 24, 2017.
- Ethics Training: Nicole DeBorde and Eugene Hong, Houston Forensic Science Center, Houston, Texas, August 30, 2016
- Introduction to Root Cause Analysis: Soraya McClung and Jackeline Moral, Houston Forensic Science Center, Houston, Texas, June 13, 2016
- Introduction to Uncertainty of Measurement: Soraya McClung, Houston Forensic Science Center, Houston, Texas, June 4, 2016
- Forensic Toxicology Testimony: “How to Effectively Communicate our Science to the Courts”: Society of Forensic Toxicologists Workshop, Texas Southern University, Houston, Texas, May 23, 2016
- Openlab CDS Chemstation 7679A Headspace Operation: Mario Ibarra of AIM LabService, LLC at Houston Forensic Science Center, Houston, Texas, May 12-13, 2016



- MicroLab 600 Product Training: Amy Weaver of Hamilton Company at Houston Forensic Science Center, Houston, Texas, April 26, 2016
- Compressed Gas Safety: Safety Instruction, Houston, Texas, March 25, 2016
- “The Robert F. Borkenstein Course on Alcohol & Highway Safety: Testing, Research & Litigation” Hosted by Indiana University Center for Studies of Law in Action - December 6-11, 2015
- NMS Labs Moot Court Training: Dr. Barry Logan and Sherri Kacinkio of National Medical Services at Houston Forensic Science Center, Houston, Texas, May 12, 2015 and September 25, 2015
- 2015 Meeting of The Southwestern Association of Toxicologists: The Southwestern Association of Toxicologists, New Orleans, Louisiana, June 19-20, 2015
- Ethics Training: Ron Siger and Chris Heartsill, Houston Forensic Science Center, Houston, Texas, June 4, 2015
- Root Cause Analysis Training: Cary Oien and Marc LeBeau, Texas Forensic Science Commission, Austin, Texas, June 2, 2015
- Bloodborne Pathogen Training Program: Tamar Welch, Houston Forensic Science Center, Houston, Texas, April 22, 2015
- Evacuation Training in High-Rise Buildings and Hotels Emergency Procedures Safety Program: Adam Beltran, City of Houston Fire Department, Houston, Texas, March 2, 2015
- The CHROMacademy Essential Guide Webcast: “Troubleshooting Sample Preparation”: Dr. Doug Raynie (South Dakota State University) and Dr. Dawn Watson (Technical Expert of Crawford Scientific), CHROMacademy, February 19, 2015
- Forensic GC-MS Workshop: Glen Jackson of West Virginia University, Houston Forensic Science Center, Houston, Texas, September 18-19, 2014
- NSC First Aid and NSC CPR Courses: James M. Garza, City of Houston, Houston, Texas, August 18, 2014
- Separation Science Webinar "Tips and Tricks-Getting the Best out of your GC System": Ruth Jones (Product Manager) of GC Columns and Consumables, June 10, 2014
- Spring 2014 Meeting of The Southwestern Association of Toxicologists: Southwestern Association of Toxicologists, Sugar Land, Texas, May 15-17, 2014
- A Practical Approach to Ethics in the Forensics Science Laboratory: Joseph P. Bono, Houston, Texas, November 20, 2013
- Uncertainty of Measurement (Determining a 95% Confidence Interval): Joseph P. Bono, Houston, Texas, November 13, 2013
- Toxicology Internship, Bexar County Medical Examiner's Office Toxicology Laboratory, San Antonio, Texas, September 2012-October 2012

Courtroom Experience:

List the disciplines/sub-disciplines in which you have testified as an expert witness and indicate over what time period and approximately how many times you have testified in each.

| Discipline or Sub-Discipline | Time Period | Times Testified |
|------------------------------|-------------|-----------------|
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| Toxicology – Alcohol Analysis | March 2014 – Present | 55 |
| Toxicology – Screening by Immunoassay | June 2018 – Present | 1 |

Professional Affiliations:

List any professional organizations of which you are or have been a member. Indicate any office(s) or positions held and the dates of these activities.

| Organization | Member Status & Position(s) Held | Dates of Membership |
|---|----------------------------------|---------------------|
| Southwestern Association of Toxicologists | Member | Fall 2013 – Present |
| Society of Forensic Toxicologists | Full Member | Fall 2021 – Present |

Employment History:

List all scientific or technical positions held, particularly those related to forensic science. List current position first. Be sure to indicate employer and give a brief summary of duties. Please list your dates of employment by month and year.

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| Job Title: | Forensic Scientist | Dates of Employment: | October 13, 2014 – Present |
| Employer: | Houston Forensic Science Center | | |
| Provide a brief description of duties below: | | | |
| <ul style="list-style-type: none"> • Analyze blood and liquid specimens for the presence of alcohol and other volatiles using HS-GC, writing reports, provide interpretation such as retrograde extrapolation and Widmark calculations. • Analyze blood and urine specimens for the presence of drugs by immunoassay screen. • Technically review alcohol and screen data. Technically and administratively review alcohol reports. • Perform method development, validation, verification, maintenance, and troubleshooting of instrumentation for alcohol analysis and immunoassay methods • Prepare and verify reagents and standards • Provide training in alcohol analysis and immunoassay • Testify in a court of law on alcohol analysis and interpretation as well as the immunoassay procedure. • Participate in company wide initiatives like Lean Six Sigma Quality Score project and outreach activities. | | | |

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| Job Title: | Criminalist | Dates of Employment: | October 14, 2013 – October 10, 2014 |
| Employer: | City of Houston – Houston Forensic Science Center | | |
| Provide a brief description of duties below: | | | |
| Job duties included performing analytical methods in order to detect and quantitate drugs and alcohol in human samples. Other duties were to perform any needed quality assurance/quality control and maintenance as well as testify in a court of law. | | | |



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| Job Title: | Medical Laboratory Sciences Trainee | Dates of Employment: | September 1, 2010 – August 31, 2011 |
| Employer: | Austin State Hospital | | |
| Provide a brief description of duties below: | | | |
| Job duties entailed being a paid student learning how to work in different parts of the laboratory including hematology, microbiology, clinical chemistry, immunology, urinalysis, and blood bank. This included learning how to perform routine clinical tests on patient samples. | | | |

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| Job Title: | Office Assistant | Dates of Employment: | May 2005-August 2008 |
| Employer: | Law Offices of Wm. Randell Johnson | | |
| Provide a brief description of duties below: | | | |
| Duties included answering phones, filing, helping prepare for upcoming events such as Worker's Compensation Seminar. Other job duties were overseeing putting together all the PowerPoints, speaker information, and binders as well as check in on the day of the seminar. | | | |

Other Qualifications:

List below any scientific papers authored or co-authored and/or scientific presentations given, research in which you have been involved, academic or teaching positions you have held, and any other information you consider relevant to your qualification as a forensic scientist.

- Poster Presentation "Evaluation of Volatile Stability in Whole Blood Containing Different Additives" at Society of Forensic Toxicologists 2022 Meeting, Poster session November 3, 2022
- Presented "How to Teach Science to Non-scientists" presentation at Southwestern Association of Toxicologists 2015 Meeting June 19-20, 2015
- Blood Alcohol Trainer at Texas South University Toxicology Training Workshop - February 10, 2014