

CURRICULUM VITAE

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EDUCATION

- **Bachelor of Science (Professional)** – Chemistry, University of Idaho, 1990
- **Graduate Non-Matriculated Student** – Computer Science and Business Management, University of South Alabama
- **Southwestern Alabama Police Academy** – 1991

EMPLOYMENT HISTORY

Forensic Scientist III

11/2004 - Present

Washington State Toxicology Laboratory

- Analyze submitted specimens for the presence of drugs, poisons and alcohol
- Utilize and maintain a variety of scientific instrumentation
- Prepare external simulator standard solutions for use with the Datamaster
- Interpret results and prepare reports
- Testify in court as an expert witness

Forensic Scientist IV – Section Chief, Drug Chemistry Section

05/2002 – 11/2004

State of Alabama Department of Forensic Sciences

- Supervisory responsibilities include overseeing the analytical and instrumental analyses of evidence and clandestine laboratories by performing all administrative and technical reviews on cases prior to release, providing technical direction and validation when necessary and training scientists and other personnel.
- Manages the section by verifying all accreditation requirements are met, ordering and maintaining appropriate supplies and equipment, maintaining a budget and evaluating and following through on all decisions and situations affecting the section personnel both individually and as a whole allowing for smoother operation.
- Regularly works in conjunction with outside agencies and individuals, i.e. law enforcement personnel, attorneys, judges, students, etc., providing training, consulting, testifying and troubleshooting.
- Provides instruction at the departmental training academy and teaches at schools and seminars on general forensic sciences and drug chemistry.
- Maintains and repairs scientific instrumentation with special emphasis on the GC/MSD.
- Analyzes evidence submitted for identification in compliance with established protocols and procedures utilizing a variety of instrumentation and techniques including GC/MSD, FT-IR, HPLC, UV, TLC, and microscopy.

- DEA certified to process clandestine laboratories with annual re-certification.
- State of Alabama P.O.S.T. certified sworn law enforcement officer with annual re-qualification.
- Coordinates and participates in research projects with colleagues.
- Court qualified in all levels of court, including federal, as an expert witness in the field of drug chemistry.

Forensic Scientist III – Drug Chemistry Section **02/2001 – 05/2002**

State of Alabama Department of Forensic Sciences

Forensic Scientist III – Assistant Section Chief, Drug Chemistry Section **1998 - 2002**

State of Alabama Department of Forensic Sciences

Forensic Scientist – Drug Chemistry Section **09/1990 - 1998**

State of Alabama Department of Forensic Sciences

Freshman Chemistry Laboratory Instructor **1988**

University of Idaho

- Responsible for course preparation and presentation inclusive of the background study of all concepts and the organization and testing of all chemicals and apparatus to be used during experimentation.
- Required to maintain and clean all laboratory apparatus.
- Graded all assignments, lab reports and examinations.

Research Student **1986 - 1987**

University of Idaho

- Assisted a graduate student and major professor in the research of porphyrin chemistry.

LICENSES AND CERTIFICATIONS

- Washington State Blood Alcohol Analyst, issued 12/2004
- State of Alabama P.O.S.T. Certification in Law Enforcement, 1991 (expires 2006)
- DEA Certification for Clandestine Laboratory Investigation, 1999

PROFESSIONAL MEMBERSHIPS

- Southern Association of Forensic Sciences
- Alabama State Association of Forensic Sciences

CONTINUING EDUCATION AND TRAINING

- **Robert F. Borkenstein Course on Alcohol and Highway Safety: Testing, Research and Litigation** Indiana University, December, 2005
- **Standardized Field Sobriety Testing Training** NHTSA-sponsored training presented by Seattle Police Department, November, 2005
- **Advanced Roadside Impaired Driving Enforcement** NHTSA-sponsored seminar presented by WSP, October, 2005
- **Methadone Related Deaths and Other Drug Trends** Problems in Forensic Pathology Seminar presented by Ann Marie Gordon, July, 2005
- **Forensic Toxicology Review** Society of Toxicologists Continuing Education, Spokane, Washington, May 2005
- **Solid Phase Extraction Workshop** United Chemical Technologies, Inc. Seattle, Washington, 2005

- **Society of Toxicologists Drinking Laboratory** Spokane, Washington, May, 2005
- **King County Drinking Laboratory** Seattle, Washington, April, 2005
- **Yakima County Drinking Laboratory** Yakima County, Washington, March, 2005
- **Physiology and Drugs** Washington State Patrol presented by Ann Marie Gordon, December, 2004
- **Ethanol – Driving and Toxicology Lab** King County Prosecutors Group presented by Ann Marie Gordon, Seattle, WA, December, 2004
- **Rave Club Drugs** DEA workshop, Birmingham, Alabama 2004
- **Employment Law** Montgomery, Alabama, 2003
- **Positive Discipline in the Workplace** Montgomery, Alabama 2003
- **Attorney General’s 2002 Law Enforcement Summit** Birmingham, Alabama 2002
- **Conflict Management in the Workplace** Montgomery, Alabama 2002
- **Shimadzu GC/MSD Training Course** Auburn, Alabama 2001
- **Attorney General’s 2001 Law Enforcement Summit** Montgomery, Alabama 2001
- **GHB Workshop** Southern Association of Forensic Scientists, Gatlinburg, Tennessee 2000
- **Methamphetamine Workshop** Southern Association of Forensic Scientists, Gatlinburg, Tennessee 2000
- **Application of FTIR/RAMAN Spectroscopy to Drug Analysis** Southern Association of Forensic Scientists, Gatlinburg, Tennessee 2000
- **Forensic Microscopy Training** Jacksonville, Alabama 2000
- **DEA Clandestine Laboratory Certification School** Quantico, Virginia, 1999
- **Techniques in HPLC School** Hewlett-Packard Atlanta, Georgia 1999
- **Crime Scene Investigation School** Gulf Shores, Alabama, 1997
- **American Academy of Forensic Sciences Meeting** New Orleans, LA 1996
- **Infrared Spectroscopy I: Interpretation of Spectra** Bowdoin College, Maine 1994
- **Infrared Spectroscopy III: Workshop on FT-IR Spectroscopy** Bowdoin College, Maine 1993
- **Troubleshooting the GC/MSD Seminar** Hewlett-Packard, Pensacola, Florida 1992
- **American Academy of Forensic Sciences Meeting** Nashville, Tennessee 1992
- **Hewlett-Packard GC/MSD School** Birmingham, Alabama, 1991
- **DEA Forensic Chemist Seminar** Quantico, Virginia, 1991