

EXPERT VITAE

Richard Stripp, Ph.D.

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Education

St. John's University, College of Pharmacy and Allied Health Professions
Jamaica, New York 11439

Ph.D., Pharmacology & Toxicology Specialization, 1993

MS., Forensic Toxicology Specialization, 1988

BS. Toxicology (minors in Chemistry and Biology), 1983

Toxicology Laboratory Certifications

New York State Department of Health Laboratory Director Certificate of
Qualification

- Clinical Toxicology
- Forensic Toxicology

State of New Jersey Board of Medical Examiners

- Bioanalytical Laboratory Director-Toxicology

Professional Profile & Current Faculty Appointment

The City University of New York 2001-Present

The John Jay College of Criminal Justice &

The Graduate Center of The City University of New York

Criminal Justice Doctoral Program, Forensic Science Program

Tenured Assistant Professor of Forensic Toxicology

New York, NY

List of the courses presently taught:

Forensic Toxicology

Toxicology

Analytical Toxicology

Forensic Pharmacology

Clinical Toxicology

Toxicology of Environmental and Occupational Chemicals

Current Position

Chief Scientific Officer

12/12-present

Cordant Health Solutions

Huntington, NY 11731

Serve as the Chief Science Officer (CSO) providing overall leadership and direction to five Enterprise toxicology laboratories located in Tacoma WA, Huntington, NY, Denver, CO, Flagstaff, AZ, and Worcester, MA. The Chief Scientific Officer oversees the all the scientific and technical functions of this nationally recognized toxicology testing company, including basic and applied research projects, as well

as the development of new processes, technologies and products. As the most senior scientific executive, the CSO reports directly to the CEO and Board of Directors. The CSO utilizes discipline-specific knowledge and strong leadership and business skills to promote the efficiency, profitability and competitive position of the company.

Chief Scientific Officer Job Duties

- Assure that the company remains competitive and maintains a cutting edge, state-of-the-art approach to toxicology testing.
- Keep the enterprise up-to-date on all technological advances and industry trends
- Advise the Board of Directors and senior management on all scientific matters. This may include making recommendations on future projects, new research opportunities or technological ventures.
- The CSO coordinates and oversees all company related research and development activities
- Provides leadership to the senior laboratory directors and R&D personnel
- The CSO is responsible for recruitment of qualified senior scientific personnel and researchers
- The CSO serves public relations functions by representing the scientific goals and interests of the company at scientific meetings, clinical functions and related events.
- Serves as the senior resource for scientific educational programs for the enterprise
- The CSO establishes and maintains advantageous relationships with government, academia and related industry.
- Provides oversight and direction to the Technical Advisory Board

CEO & Laboratory Director

09/09-12/12

American Forensic Toxicology Services, Inc.
East Northport, NY 11731

Directing all aspects of a clinical and forensic toxicology practices and serve as an expert consultant in the field of toxicology and pharmacology to attorneys, investigators and physicians involved in forensic and clinical toxicological evaluations associated with ethanol, drugs and chemicals. Provide expert unbiased case reviews involving drugs of abuse, iatrogenic/ therapeutic agents, lead and other toxic metals, carbon monoxide and environmental/occupational hazards. Providing services related to all aspects of forensic, clinical, environmental, and general toxicology including, impartial evaluations involving drug effects, overdose, toxic chemical exposure, medical malpractice associated with drug therapy, poisoning, and the role of drugs, alcohol, or chemical exposure in civil and criminal litigation. This covers a full breath of forensic medical-legal cases:

- Direction of all Laboratory Operations
- Review and Approve Toxicology Reports
- Consult with Clinicians Regarding Toxicology Results
- Serve as an Expert Witness: Experienced in Depositions and Court testimony

- Forensic Toxicology Case Reviews
- Litigation Support
- Workers' Compensation
- DUI/DWI.
- Drug and Alcohol Effects
- Pharmacology Evaluations
- Environmental/Occupational Chemicals & Toxic Chemical Exposure
- Interpretation of Analytical Results and Drug Testing Cases
- Continuing Education and Lectures
- Chemical and Product Safety

Other Professional Experience

St. John's University
 School of Pharmacy & Allied Health Professions
 Visiting Associate Professor of Toxicology
 Jamaica, NY 11439 1993-present

Long Island University
 Arnold & Marie Schwartz
 College of Pharmacy and Health Sciences
 Assistant Professor of Toxicology and Pathophysiology
 Division of Pharmacology, Toxicology and Medicinal Chemistry
 75 Dekalb Avenue
 Brooklyn, NY 11201 1994-2001

United States Department of Homeland Security (formerly DOE)
 Research Toxicologist
 New York, New York 10014-3621 1985-1994

Formulate, design, and direct investigations intended to determine the fate and effects of potentially toxic chemical agents, which result from energy related activities by using biomolecular and biochemical markers. The classes of contaminants studied include various heavy metals, organics, and radionuclides. Serve as the Principle Program Director responsible for the development of the scope and direction of the Laboratory's biological investigations including: planning, organization and performance of field investigations; arrangement for the biochemical and biological analyses of appropriate samples; evaluation of the quality of the analytical results; determination of the significance of the data to the research programs objectives; and dissemination of the relevant findings as written reports for peer-review publication or oral presentation at scientific symposia. Serve as an expert consultant in the field of toxicology to scientists with other Federal Agencies, D.O.E. officials, and academic organizations.

New York City Office of the Chief Medical Examiner

Chemist-Toxicology
New York, New York 10016 1983-1984

Performed the methods of forensic toxicological analysis of human samples collected at autopsy used to determine the role of drugs and other toxic chemicals in establishing the cause of death for medico-legal investigation. Determination of blood and brain alcohol concentrations.

Courses taught at other Institutions:
Methods of Toxicology, Biochemistry, Clinical Toxicology, Forensic Toxicology, Analytical Toxicology, and Principles of Toxicology
St. John's University (9/93-present)
College of Pharmacy and Allied Health Professions, Jamaica, NY 11439

Pathophysiological Basis of Clinical Practice, Pathophysiology for Physicians Assistants
State University of New York
Downstate Health Sciences Center-School of Health Professions
Brooklyn, NY 11203

Pharmacology, Human Anatomy & Physiology
The City University of New York, Queensborough Community College
Queens, NY

PROFESSIONAL & UNIVERSITY ACTIVITIES

Member of the American Pain Society
Member of the American Academy of Clinical Toxicology
Member of the National Institute of Justice Peer Review Panel in Forensic Toxicology
The International Association of Therapeutic Drug Monitoring and Clinical Toxicology
Served as a Moderator for a Criminalistics session at the Academy of Forensic Sciences Meeting. New Orleans, LA 02/05.
Appeared on various media outlets as an expert in poisoning cases presented.
President's Advisory Committee on Graduate Studies
New Directions Subcommittee of the President's Advisory Committee on Graduate Studies
Forensic Science Personnel and Budget Committee
Forensic Science Departmental Committee on Instrumentation
Forensic Science Department Curriculum Committee
Forensic Science Committee to Hear Appeals

Member of the Forensic Science Academic Standards Committee
Member of the Forensic Science Instrumentation Committee
Chairman of the Committee to Develop the Forensic Science Department 5 year
Strategic Plan

Additional Training Courses Completed
Agilent GC/MS Training 2009

Thermo Scientific Corporation Onsite Trace DSQ, GC/MS Training Course 2006

FBI Laboratory Symposium Washington D.C.
Basic Forensic Toxicology I, II, III
Chemical Terrorism and Forensic Toxicology 2004

Perkin Elmer Corporation Danbury, CT
Atomic Absorption Spectrophotometry Training Course 1987

RECENT PUBLICATIONS & PRESENTATIONS (10 years, full list available upon
request)

Shaparin, N., Mehta, N., Kunkel, F., Stripp, R., Borg, D., and Kolb, L. A Novel Chronic Opioid Monitoring
Tool to Assess Prescription Drug Steady State Levels in Oral Fluid. *Pain Medicine*, 2017: in press.

Borg, D., Tverdovsky, A., Stripp, R.. A Fast and Comprehensive Analysis of 32 Synthetic Cannabinoids Urine
Agilent Triple Quadrupole LC/MSMS. *J Analytical Toxicology*. doi: 10.1093/jat/bkw104 2016

Kunkle, F., Borg D., Fey, L., Stripp, R.. Assessment of the Use of Oral Fluid as a Matrix for Drug Monitoring
in Patients Undergoing Treatment for Opioid Addiction. *J Opioid Management*. 11: 435-442. 2015

Stripp, R.A., Cheatle, M., Borg, D., and Fey, L. Detection of undisclosed prescription drugs and illicit
compounds in hair: Utility when on-boarding new patents. 4th annual International Conference on
Opioids meeting at Harvard Medical School. June 2015

Stripp, R.A., Borg, D., Fey, L. Surprising truths about opioid misuse: Correlating laboratory and pharmacy
data to identify and monitor high-risk patients. 4th annual International Conference on Opioids meeting
at Harvard Medical School. June 2015.

Stripp, R.A., Shaparin, N., Borg, D., and Fey, L. Can oral fluid replace urine and blood in the pain
management industry. *American Pain Society*. Palm Springs CA. May, 2015.

Stripp, R.A. Combining PDMP and Other Data to Combat Rx Drug Abuse. Invited lecture, 2015 National Rx
Drug Abuse Summit. April, 2015.

Sarris, G., Borg D., Liao, S., Stripp, R.. Validation of an EMIT Screening Method to Detect 6-Acetylmorphine
in Oral Fluid. *J Analytical Toxicology*. 38: 605-609. 2014

Mehta, N., Kunkel, F., and Stripp, R.A., Prediction of Plasma Oxycodone Concentration Ranges in Patients
at Steady State from Measured Oral Fluid Levels, *The International Conference on Opioids at Harvard
Medical School*, June, 2014.

Kunkel, F. and Stripp, R.A. Assessment of the use of oral fluid as a matrix for drug monitoring in patients undergoing treatment for opioid addiction. PAINWeek, Las Vegas, NV. Sept. 2013.

Stripp, R.A. Forensic and Clinical Issues in Alcohol Analysis, Book Chapter, In: *Forensic Chemistry Handbook*. Wiley. ed. L. Kobilinsky. Stripp, R.A. 2011

Stripp, R.A. The Forensic Aspects of Poisons. *The Forensic Science Series*, Ed. L. Kobilinsky. Chelsea House Publishers, Langhorne, PA 19047-1813 2007.

Stripp, R.A. and Brinsko, K. Assessment of the role of endogenous opiate receptors in the development of hyperprolactinemia following acute ethanol exposure in mice. *J. of Pharmacol. and Toxicol.* 2 (3): 290-294, 2007.

Miller G. and Stripp, R.A. A determination of the extent of adulteration of Chinese patent/herbal medicines with western drugs. *Legal Med* 9, (5): 258-264, 2007.

Stripp, R. A. and Hoffman D.. Alteration in Prolactin Secretion in Female Ovariectomized Rats by some Endocrine Disrupting Chemicals. *Int J of Toxicol.* 3 (1) 2006.

Hoffman, D. and Stripp, R. A. The role of vomitus and mouth alcohol in assessing evidential alcohol testing. *The Forensic Panel Letter*, July 2000.

Hoffman, D. and Stripp, R. A. Commentaries on blood breath alcohol ratios and testing. *The Forensic Panel Letter*, March 2000.

Stripp, R.A. Chapter 1: Normal and Altered Cellular Function. In: *Focus on Pathophysiology* ed. Bullock & Henze, J.B. Lippincott Company, Philadelphia PA. 1999.

Stripp, R. A. *A Concise Guide Medical Physiology and Pathophysiology*. WCB McGraw-Hill Company, New York 1999.

Hoffman, D. and Stripp, R. A. The technical aspects of evidential breath alcohol testing in legal cases selected for review. *The Forensic Panel Letter*, August 1999

Miller G. and Stripp, R.A.. A determination of the extent of adulteration of Chinese patent/herbal medicines with western drugs. *The American Academy of Forensic Science*. Seattle, Washington. February 2006.

Stripp, R.A. and L. Guia. A study of cross reactivity of selected animal proteins on an enzyme-linked immunoassay for recombinant human erythropoietin, Joint Meeting of the Society of Forensic Toxicologists & The International Association of Forensic Toxicologists, Washington, D.C. August 2004.

Stripp, R.A. Endocrine Disruption and the Role of Drugs and Chemicals: Consideration to Women's Health Issues, JJC Science Department Seminar Series, March 2004.

