

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

Professional Profile & Current Faculty Appointment:

The City University of New York, New York, NY 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
- Courses presently taught: Forensic Toxicology, Toxicology, Analytical Toxicology, Forensic Pharmacology, Clinical Toxicology and Toxicology of Environmental and Occupational Chemicals

Current Position:

Navis Clinical Laboratories 2022-Present
President & Chief Executive Officer
751 Cool Springs Blvd.
Franklin, TN 37067

- Provide direct oversight and leadership to three laboratories in Tacoma, WA, Huntington NY, and Worcester MA in response to the opioid crisis, substance use disorder and behavioral health co-morbidities.
- Oversee the technical and business operations of the enterprise.
- Assure compliance with local, state, and federal guidelines.
- Develop a growth strategy utilizing best practices of clinical testing.
- Serve as an advisor and source of information to clinicians requiring medically necessary clinical testing.

American Scientific Consultants Corp
President & Chief Science Officer
Huntington, NY 11743

2007-Present

Duties:

- Serves as an expert scientific consultant for Cordant Health Solutions
- 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 senior management on all scientific matters. This may include making recommendations on future projects, new research opportunities or technological ventures.
- Coordinates and oversees all company related research and development activities
- Provides leadership to the senior laboratory directors and R&D personnel
- Responsible for recruitment of qualified senior scientific personnel and researchers
- Serves at 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
- Establishes and maintains advantageous relationships with government, academia, and related industry.
- Provides oversight and direction to the Technical Advisory Board
- Consults 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
- In response to the COVID-19 Pandemic; developed a full-service bio-molecular testing laboratory. This institution is a licensed, Yale University certified saliva testing platform for both diagnostic and surveillance of COVID-19 infection.

United States Navy
Expert Witness
Brussels, Belgium 1110

2018-Present

Served as an expert consultant at the Supreme Headquarters Allied Powers of Europe (SHAPE)
United States Congress
Washington D.C.

Prescription Opioid and Heroin Epidemic Awareness Week 2018
-Met with members and staff to discuss potential solutions
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

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

Long Island University
1994-2001
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

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

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
1983-1984
Chemist-Toxicology
New York, NY 10016

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:

St. John's University (9/93-present)

College of Pharmacy and Allied Health Professions, Jamaica, NY 11439

- Methods of Toxicology, Biochemistry, Clinical Toxicology, Forensic Toxicology, Analytical Toxicology, and Principles of Toxicology

State University of New York

Downstate Health Sciences Center-School of Health Professions, Brooklyn, NY 11203

- Pathophysiological Basis of Clinical Practice, Pathophysiology for Physicians Assistants

The City University of New York, Queensborough Community College, Queens, NY

- Pharmacology, Human Anatomy & Physiology

Professional & University Activities

- 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
- 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 and Presentations (10 years, full list available upon request)

Payes, K., Borg, D., Stripp, R. 2022. Chiral Analysis of Methamphetamine in Hair Samples.

Presented at the 58th Annual Meeting of The International Association of Forensic Toxicologists. Virtual.

Gunning, E., Borg, D., Stripp, R. 2022. The Detection of Clozapine in Oral Fluid via a Kinetic Interaction of Microparticles in Solution (KIMS) Assay. In Draft for publication.

Mitrani, R., Borg, D., Stripp, R. 2022. Effects of External Decontamination of Methamphetamine in Juvenile Hair. In Draft for publication.

Centonza, D., Borg, D., Stripp, R. 2022. Development of an ELISA screen for Ketamine in Hair. In Draft for publication.

Shin S, Borg D, Stripp R. Developing and Validating a Fast and Accurate Method to Quantify 18 Antidepressants in Oral Fluid Samples Using SPE and LC-MS-MS. J of Analytical Toxicology, 29 February 2020

Chomin J, Heuser W, Nogar J, Ramnarine M, Stripp R, Sud P. Delayed hyperthermia from chlorfenapyr overdose. Am J Emerg Med., July 2018

Borg, D., Kolb L., Lantigua, C., Stripp, RA. Chiral Analysis of Methamphetamine in Oral Fluid Samples: A Method to Distinguish Licit from Illicit Drug Use. J of Analytical Toxicology, 25 September 2017

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.

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

Kunkel, 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. Kobilinsky, L., 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.

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

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.