

# JOHN BRICK, PH.D.

## CURRICULUM VITAE BREVIS SUMMARIUM

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### Education:

- PH.D. –State University of New York, Binghamton, NY  
Major: *Biological Psychology* (psychobiology)  
Minor: Neuroscience/Behavioral Biology/Psychopathology  
M.A. - State University of New York, Binghamton, NY  
Major: *Psychology*  
B.A. – City University of New York, Queens College  
Major: *Physiological Psychology*

### Selected Professional History:

- *Private Practice*: Forensic Consultant in Alcohol and Drug Studies ~ 1985- present
- *Executive Director (Emeritus)*, Intoxikon International, Yardley PA, 1994-2024
- *Faculty*, Rutgers School of Alcohol and Drug Studies, 1999-2002
- *Faculty*, Rutgers Advanced School of Alcohol and Drug Studies, 1986-1998
- *Visiting Faculty*, DuPont Pharma, 1995-1997; Peking University Institute of Mental Health/ICHHC, 2002
- *Research Faculty*, Rutgers University Center of Alcohol Studies, 1980-1994 (see below)
- *Associate Professor*, Rutgers University (promoted to, 1991)
- *Chief of Research*: Rutgers University Center of Alcohol Studies, Education and Training Div. 1988-1993
- *Associate Director*, Advanced School of Alcohol and Drug Studies  
Rutgers University, Rutgers Summer School of Alcohol Studies, 1988-1993
- *Lab Director*, Rutgers Alcohol Behavior Research Laboratory, 1984-1988
- *Associate Member, Graduate Faculty*, Rutgers University, Admitted, 1986
- *Research Scientist*: Neuropharmacology Laboratory, Rutgers University Center of Alcohol Studies, 1980-1984

### Publications:

Over 100 publications in scientific/medical journals, multiple textbooks, encyclopedia chapters and proceedings on the physiological, behavioral effects and measurement of alcohol and other drugs.

### Selected Consultantships:

- Executive Office of the President, Office of National Drug Control Policy, The White House
- National Institute on Alcohol Abuse and Alcoholism, National Institute of Health/NIDA
- National Geographic; Betty Ford Foundation; Editorial Boards of various international scientific journals
- Scientific Peer Reviewer for major alcohol journals published in the US
- Attorney General - State of New Jersey *and* the Commonwealth of Pennsylvania
- NJ County Prosecutors in Atlantic, Cape May, Bergen, Cumberland, Essex, Mercer, Middlesex, Monmouth, Morris, Ocean, Salem, Sussex, Union, Warren and in PA, the Bucks County District Attorney
- Rutgers-The State University of New Jersey (Police Dept. and University Counsel)
- Various County Offices of the Public Defender (New Jersey)
- Rockland County Medical Examiner's Office, Pomona, New York

**Teaching/Lecturing** *Nationally on the subjects of*: Neuropharmacology; Pharmacology and Toxicology of Alcohol and Other Drugs; Blood and Breath Alcohol Testing; Drunk Driving and related topics; Intoxication Test Evidence; Identification, Prevention and Intervention of the Biomedical/Behavioral Consequences of Alcohol and Drug Intoxication; *Internationally on the subjects of*: medical consequences and pharmacology of alcohol intoxication, addiction and related problems in the area of prevention.

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*Dr. John Brick ♦ 1006 Floral Vale, Yardley, PA 19067 ♦ (215) 504-8004*

## EXEMPLAR PUBLICATIONS IN PHARMACOLOGY/TOXICOLOGY: ALCOHOL/DRUGS

- Bochard, K., Seborowski, L. and **Brick, J.** Scientific and Legal Issues in Alcohol Extrapolation in Practice. Page 179, L68. American Academy of Forensic Sciences, Baltimore, Maryland 2025
- Brick, J.**, (2024) Drugs, the Brain and Behavior: The Pharmacology of Therapeutics and Drug Use Disorders. 3<sup>rd</sup> Edition, Routledge Press.
- Brick, J.** and Lebofsky, H. (2023). Topic Guide to Cold Case Investigations, 2<sup>nd</sup> Edition, The Vidocq Society, Philadelphia, PA.
- Brick, J.** and Lebofsky, H. (2021). Topic Guide to Cold Case Investigations. The Vidocq Society, Philadelphia, PA.
- Brick, J.** and Bennett, W. (2017) Alcohol Calculations in Emergency and Forensic Medicine. *J Addict Med Ther Sci* 3(3):024-029.
- Brick, J.** (2017) Forensic Alcohol Test Evidence. Charles Thomas Publishing Co. Springfield, IL
- Brick, J.** (2016) Time of Death Relative to Alcohol Use: Application of Brain:blood Ratios and Gastric Ethanol. *J. Addiction Medicine and Therapeutic Science* 2(1) 19-22
- Brick, J.** (2015) Alcohol Intoxication: Mode and Risk for Injury. In: Wiley Encyclopedia of Forensic Science. Jamieson, A., Moenssens, A.A. (eds). John Wiley: Chichester. DOI: 10.1002/9780470061589.fsa1131
- Brick, J.** and Erickson, C. (2013) Drugs, the Brain and Behavior: The Pharmacology of Drug Use Disorders, Routledge Publishing Company, 2<sup>nd</sup> Edition (2013)
- Brick, J.** (2012) Alcohol: Behavioral and Medical Effects. Update. In: Wiley Encyclopedia of Forensic Science. Jamieson, A., Moenssens, A.A. (eds). John Wiley: Chichester. DOI: 10.1002/9780470061589.fsa630.pub2. Published December 17, 2012.
- Brick, J.** (2012) Alcohol: Interaction with Other Drugs. Update. In: Wiley Encyclopedia of Forensic Science. Jamieson, A., Moenssens, A.A. (eds). John Wiley: Chichester. DOI: 10.1002/9780470061589.fsa629.pub2. Published December 17, 2012. Update
- Brick, J.** (2012) Alcohol: Use, Tolerance, and Dependence. Update. In: Wiley Encyclopedia of Forensic Science. Jamieson, A., Moenssens, A.A. (eds). John Wiley: Chichester. DOI: 10.1002/9780470061589.fsa.628.pub2. Published December 17, 2012. Update
- Brick, J.** (2009) Alcohol: Interaction with Other Drugs. Wiley Encyclopedia of Forensic Science. Jamieson, A., Moenssens, A. (eds). John Wiley & Sons, Ltd, Chichester, UK, pp. 108-120.
- Brick, J.** and Erickson, C. (2009) Intoxication is Not Always Visible: An Unrecognized Prevention Challenge. *Alcoholism: Clinical and Experimental Research* 33(9) 1489-1507
- Brick, J.** (2009) Alcohol Intoxication: Behavioral and Medical Effects. Wiley Encyclopedia of Forensic Science. Jamieson, A., Moenssens, A. (Eds). John Wiley & Sons, Ltd. Chichester, UK; 99-108
- Brick, J.** (2009) Alcohol: Use, Abuse, Tolerance and Dependence. Wiley Encyclopedia of Forensic Science. Jamieson, A., Moenssens, A. (Eds). John Wiley & Sons, Ltd. Chichester, UK; 120-125
- Brick, J.** (2008) Faculty Curriculum Guide for the Handbook of the Medical Consequences of Alcohol and Drug Abuse. Haworth Press, New York
- Brick, J.** (2008) Editor, Handbook of the Medical Consequences of Alcohol and Drug Abuse, 2<sup>nd</sup> Edition. Haworth Press, New York
- Brick, J.** (2008) Characteristics of Alcohol: Chemistry, Use and Abuse. In: Handbook of the Medical Consequences of Alcohol and Drug Abuse 2<sup>nd</sup> Edition, Haworth Medical Press, New York
- Brick, J.**, Wallen, M. and Lorman, W., (2008) Interaction of Alcohol with Medications and Other Drugs. In: Handbook of the Medical Consequences of Alcohol and Drug Abuse, 2<sup>nd</sup> Edition. Haworth Press, New York.

- Moser, M., Frantz, C., and **Brick, J.** (2008) Neuropsychological Consequences of Alcohol and Drug Abuse. In: Handbook of the Medical Consequences of Alcohol and Drug Abuse. 2nd Edition Haworth Press, New York
- Brick, J.** (2006) Standardization of Alcohol Calculations in Research. *Alcoholism: Clinical and Experimental Research* 30(8) 1276-1287.
- Brick, J.** (2006) Interaction Between Toxicology and Burn Victim Physiology. In: *Special Forensic Aspects of Burn Injury*, A. Clark (Ed). Lawyers and Judges Publishing Company pp 221-251
- Brick, J.** (2005) Driving While Impaired. Rutgers University Center of Alcohol Studies, Piscataway, New Jersey (revised/updated from 2003).
- Brick, J.** (2003) Medical Consequences of Alcohol, Rutgers University Center of Alcohol Studies, Piscataway, NJ
- Brick, J.** (2003) Inhalants. Rutgers University Center of Alcohol Studies, Piscataway, NJ.
- Brick, J.** (2003) Alcohol Overdose. Rutgers University Center of Alcohol Studies, Piscataway, NJ.
- Brick, J.** (2003) Neuropharmacology of Alcohol, Rutgers University Center of Alcohol Studies, Piscataway, NJ.
- Brick, J.** (2001) Biobehavioral Factors in Unintended Acceleration, *Forensic Examiner*, 10(5/6): 26-30
- Brick, J.** and Carpenter, J. (2001). The Identification of Alcohol Intoxication by Police, *Alcoholism: Clinical and Experimental Research*, Vol. 25(6): 850-855.
- Brick, J.** (2000) Accident Reconstruction Analyses: An Overview of Biobehavioral Effects on Reaction Time, *Forensic Examiner*, Vol. 9(11/12): 19-23.
- Brick, J.** and Erickson, C. (1998) Drugs, the Brain and Behavior: The Pharmacology of Abuse and Dependence, Haworth Medical Press, New York (1999 – second printing)
- Brick, J.** (1994) Cocaine and Crack, New Jersey State Resource Center and Clearinghouse, Center of Alcohol and Drug Studies, Rutgers University, Piscataway, New Jersey (revised)
- Brick, J.** (1994) Driving While Intoxicated, New Jersey State Resource Center and Clearinghouse, Rutgers University Center of Alcohol and Drug Studies, Piscataway, New Jersey (revised)
- Brick, J.** (1994) Marijuana, New Jersey State Resource Center and Clearinghouse, Rutgers University Center of Alcohol and Drug Studies, Piscataway, New Jersey (revised)
- Brick, J.** (1993) Diabetes, Breath Acetone and Breathalyzer Accuracy: A Case Study. *Alcohol, Drugs and Driving* Vol. 9(1):27-28.
- Langenbucher, J., McCrady, B., **Brick, J.** and Esterly, R. (1993) Socioeconomic Evaluations of Addictions Treatment, The White House- President's Commission on Model State Drug Laws, Washington D.C.
- Bates, M., **Brick, J.** and White, H. (1993) Validation of Saliva Tests for Blood Alcohol Determination. *Journal of Studies on Alcohol* 54:17-22.
- White, H., **Brick, J.** and Hansell, S. A. (1993) Longitudinal Investigation of Alcohol Use and Aggression in Adolescence. *Journal of Studies on Alcohol*, Supplement 11: 62-77.
- Brick, J.** (1993) Commentary on Alcohol and Aggression. *Journal of Studies on Alcohol*, Supplement 11:192.
- Brick, J.**, Adler, J., Cocco, K. and Westrick, E. (1992) Alcohol Intoxication: Pharmacokinetic Prediction and Behavioral Analysis. In: *Current Topics in Pharmacology*, 1: 57-67.
- Brick, J.** (1991) Cocaine and Crack, New Jersey State Resource Center and Clearinghouse, Rutgers University Center of Alcohol and Drug Studies, Piscataway, New Jersey.

- Brick, J.** (1991) Driving While Intoxicated, New Jersey State Resource Center and Clearinghouse, Rutgers Center of Alcohol and Drug Studies, Piscataway, New Jersey.
- Brick, J.** (1990) Learning and Motivational Factors in Alcohol Use. In: Parameters of Alcohol as a Reinforcer. W. M. Cox, (Ed.), Gardener Press, pp. 169-205.
- Brick, J., White, H. and Bates, M.** (1990) Estimating Alcohol Intoxication From Saliva: Social Implications and Methodological Validation. Published in the Proceedings of the *Society of Drinking and Drugs Division of the Society for the Study of Social Problems*, Washington, D.C.
- Brick, J.** (1990) The Facts on Marijuana, New Jersey State Resource Center and Clearinghouse, Rutgers University Center of Alcohol and Drug Studies, Piscataway, New Jersey.
- Brick, J.** (1990) Marijuana. Center of Alcohol and Drug Studies, Rutgers University, Piscataway, NJ.
- Brick, J.** (1990) Nature of Addiction. Report of the Post-Adjudication and Community Involvement Task Force on Drugs and the Courts. Chair, NJ Supreme Court Subcommittee on Drugs and the Court.
- Pohorecky, L. and **Brick, J.** (1990) The Pharmacology of Ethanol, In: International Encyclopedia of Pharmacological Therapeutics: Psychotropic Drugs of Abuse, Pergamon Press, pp. 189-254.
- Wilson, G.T., **Brick, J.**, Adler, J.A. (1989) The effect of alcohol on social anxiety in women. *Journal of Studies on Alcohol* 50: 226-235
- Westrick, E., Shapiro, A., Nathan, P.E. and **Brick, J.** (1988) Dietary Tryptophan Reduces Alcohol-Induced Memory Impairment. *Alcoholism: Clinical and Experimental Research*, 12: 531-533.
- Pohorecky, L. and **Brick, J.** (1988), The Pharmacology of Ethanol, *Pharmacology and Therapeutics* 36: 335-427.
- Niaura, R., Nathan, P., Frankenstein, W., Shapiro, A. and **Brick, J.** (1987) Gender Differences in Acute Psychomotor & Pharmacokinetic Response to Alcohol. *Addictive Behaviors* 12:345-356.
- Brick, J.**, Nathan, P. and Westrick, E. (1986) Effect of Menstrual Cycle Phase on the Biological and Behavioral Effects of Alcohol. *Journal of Studies on Alcohol* 47:472-477.
- Pohorecky, L. and **Brick, J.** (Editors) Stress and Alcohol Use, Elsevier Biomedical Publishing Co. New York, 1983
- Pohorecky, L., and **Brick, J.** (1982). Method for the Measurement of Breath Ethanol and Acetaldehyde: Correlation with Blood and Brain Ethanol Levels. *Pharmacology, Biochemistry and Behavior* 16:693-696.

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Older publications (e.g., circa 1975-1985) focus on the neuropharmacology and biochemistry of acute and chronic alcohol intoxication on central and peripheral monoamines, non-esterified lipids, cardiac enzymes, steroids and various analytical methodologies. These publications appear in multiple peer-reviewed journals including: Brain Research, Psychopharmacology, J. Pharmacy and Pharmacology, Life Sciences, Neuroscience Methods, Alcohol, and J. Physiology and Behavior. Also see John Brick, Ph.D. (or Intoxikon) for additional articles of interest to the general public, and others on a variety of prevention topics related to pharmacology, toxicology and behavior.

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### **Publication Impact Analytics as of 2025**

According to ResearchGate, Dr. Brick's publications have been cited 1,991 times and read by 4791 scholars scientists, researchers and academics. In comparison to all registered ResearchGate members, he has a Research Interest Score higher than 92% of its more than 25 million members.

**EDITORIAL<sup>†</sup> AND JOURNAL REVIEW BOARDS** (various board appointments since ~ 1980)  
(*Pharmacology, toxicology, physiology and biobehavioral effects of alcohol and other drugs*)

- Journal of Addiction Medicine and Therapeutic Science<sup>\*\*†</sup>
- IRSN Toxicology (International Scholarly Research Network)<sup>\*\*†</sup>
- European Journal of Toxicological Sciences<sup>\*\*†</sup>
- Alcohol Health and Research World<sup>°</sup>
- Clinical Toxicology<sup>°</sup>
- Clinica Chimica Acta: International J. Clin. Chem. Diag. Laboratory Medicine<sup>°</sup>
- Alcoholism: Clinical and Experimental Research<sup>°</sup>
- Journal of Studies on Alcohol<sup>\*\*</sup>
- Pharmacology, Biochemistry and Behavior<sup>\*\*</sup>
- Physiology and Behavior<sup>\*\*</sup>
- Psychopharmacology<sup>\*\*</sup>
- Brain Research Bulletin<sup>\*\*</sup>
- The Forensic Examiner<sup>\*\*</sup>
- Addiction<sup>°</sup>

<sup>°</sup> ad hoc  
<sup>\*\*</sup> previous terms  
<sup>†</sup> Editorial Board

**EDITOR-IN-CHIEF** (2022 to present)

- *The Vidocq Society Forensic Overviews Series*: Toxicology, Genealogy, Crime Scene Anatomy, Criminal Profiling and Forensic Linguistics, Polygraph Psychophysiology, Poisons, Analytical Instrumentation, Primer on Shotguns, Death Scene Photography.
- *Vidocq Topic Guide to Cold Case Investigations*: Law and Finances, Medical Consequences, Drug Abuse, Behavioral Sciences (Psychiatry and Psychology), Pharmacology and Toxicology, Evidence at the Scene, DNA/Genealogy, Electronic Devices, People with Insight.

**TEACHING, LECTURING & INVITED ADDRESSES/PRESENTATIONS**  
(National and International)

**Biomedical** (*partial listing in Pharmacology/Toxicology*)

- Biomedical Effects of Opioids. Lower Makefield (PA) Town Hall Meeting, October 23, 2017. Yardley, PA
- Alcohol and Drug Abuse: Identification and Medical Consequences. Bucks County Mini- Residency Program (February 11, 2009). Washington Crossing, PA (DDSs)
- Medical Consequences of Alcohol Abuse, Annual Ocean County Professional Advisory Committee on Alcoholism and Drug Abuse (PACADA), Ocean County Board of Health, Toms River, New Jersey, November 18, 2005. Keynote Address
- Disaster Preparedness for Nurses, New Jersey Department of Human Services, New Jersey Hospital Association, Princeton, New Jersey, June 2003
- Medical Consequences of Alcohol Addiction, Peking University Institute of Mental Health- International Center for Health Concerns, Beijing Medical University, Beijing, China. Visiting Faculty, September, 2002 (MDs)

- Physiology and Neurochemistry of Addiction, Peking University Institute of Mental Health-International Center for Health Concerns, *Beijing Medical University*. Visiting Faculty, September, 2002 (MDs)
- Alcohol-Opiate Interactions, *Rutgers University School of Alcohol and Drug Studies*, New Brunswick, New Jersey, 2002. Post-graduate Education
- Neuropharmacology: Drugs, the Brain and Behavior, *Rutgers University School of Alcohol and Drug Studies*, New Brunswick, New Jersey, 1999-2002. Post-graduate Education
- Biological Warfare: Tactical, Medical and Psychological Preparedness, *New Jersey Department of Human Services*, Princeton, New Jersey 2001 (PHDs, MDs)
- Biological Warfare Preparedness: Anthrax, *Mercer County Medical Society*, West Trenton, New Jersey 2001 (MDs)
- Neuropharmacology, *Rutgers University Advanced School of Alcohol and Drug Studies*, New Brunswick, New Jersey, 1986-1998. Post-graduate Education
- Neurochemistry Related to Substance Abuse and Mental Impairment, *Texas Department of Criminal Justice*, Houston, Texas, 1997 (2)
- What Science Has Contributed to Our Understanding of Alcoholism and Addiction, *DuPont Pharma Visiting Faculty Lecture Series*, New York Region 1995 - 1997 (MDs, PHDs, RNs)
- Epidemiology of Alcohol and Drug Abuse: Local vs. National Trends, *New Jersey Municipal Alliance*, West Windsor, New Jersey, 1996, Keynote Speaker.
- Drugs, The Brain and Behavior: The Biological Psychology of Addiction, *Suffolk County Psychological Association* and *The Suffolk County Coalition for the Prevention of Alcohol and Drug Abuse*, Hauppauge, New York, 1996
- Neuropharmacology of Addicting Drugs, *Texas Commission on Alcohol and Drug Abuse*, 38th Annual Institute, Austin Texas, 1995. Post-graduate Education
- What Neuroscience Has Contributed to Our Understanding of Addiction, *Texas Commission on Alcohol and Drug Abuse*, Austin, Texas, 1994. Post-graduate Education
- Pharmacology and Physiology of Alcohol and Other Drugs, *Institute for Chemical Dependency*, Robert Wood Johnson Medical Center, Piscataway, NJ, 1994 (2)
- Alcohol Pharmacology and Toxicology, *Rowan The University of New Jersey*, Institute for Alcohol and Other Drug Issues, Glassboro, New Jersey, 1994. Post-graduate Education
- The Biology of Alcohol (Pharmacology, Toxicology and Behavior), *Rutgers Center of Alcohol and Drug Studies* Graduate Certification Program, Rutgers University, Piscataway, New Jersey, 1989-1994. Graduate (PhD Program)
- Foundations in Alcohol Studies (Pharmacology, Toxicology and Behavior), *Rutgers Center of Alcohol and Drug Studies* Graduate Certification Program, Rutgers University, Piscataway, New Jersey, 1989-1994. Graduate (PhD Program)
- Where Science and Addiction Meet, *Mid-South Summer School of Alcohol and Drug Studies*, *University of Arkansas*, Little Rock, Arkansas, 1994 (2); *Oklahoma Pharmaceutical Association Annual Meeting*, Checotah, Oklahoma, 1994; *State University of New York, Broome County Council on Alcoholism*, Binghamton, New York, 1994; *State University of New York, Seven Valley's Council on Alcoholism and Substance Abuse*, Cortland, New York, 1994; *Mohawk Valley Council Alcoholism/Addictions*, Utica, New York, 1994.
- Neuropharmacology, *Johnson & Johnson School Nurses Program*, New Brunswick, New Jersey, 1989-1993. Post-graduate Education (RNs)
- Drugs and Behavior: Introduction to Neuropharmacology, *New Jersey Summer School of Alcohol and Drug Studies* *Rutgers University Center of Alcohol Studies/New Jersey State Department of Health*, New Brunswick, New Jersey, 1982-1993. Post-graduate Education

- Drugs and Behavior: Introduction to Neuropharmacology, *Rutgers University Center of Alcohol Studies* Continuing Education, Piscataway, New Jersey, 1983-1993. Post-graduate Education
- Fetal Alcohol and Drug Effects. *Toms River School District* (Johnson & Johnson School Nurses Fellowship Program), Toms River, New Jersey, 1993
- Future Challenges in Prevention for New Jersey. Rowan College Institute on Alcohol and Drug Abuse Studies, Glassboro, New Jersey, June 14, 1993. Keynote Speaker.
- Identification and Management of the Intoxicated Student, *Rutgers University Health Services*, New Brunswick, New Jersey, 1993
- Alcohol Pharmacology and Toxicology, *Rutgers Community Mental Health*, In Service Lecture. New Brunswick, New Jersey, 1992, 1993
- Alcohol Pharmacology/Toxicology, *Texas Commission on Alcohol and Drug Abuse*, Austin Texas, 1992. Post-graduate Education
- Pharmacology and Toxicology of Alcohol, *Rutgers University Summer School of Alcohol Studies*, New Brunswick, New Jersey 50th Anniversary, New Brunswick, NJ, 1992
- Alcohol and Aggression: Overview and Commentary of Current Research Findings. *International Conference on Alcohol and Aggression*, *Rutgers University Center of Alcohol Studies*, Piscataway, New Jersey, 1992
- Drugs and the Brain: Basic Neuropharmacology, *Texas Commission on Alcohol and Drug Abuse*, Austin, Texas, 1992 Post-graduate Education
- Clinical Psychopharmacology, *Graduate School of Applied and Professional Psychology*, *Rutgers University*, Piscataway, New Jersey, 1989~1992. Graduate Program
- Alcohol Pharmacology: Theoretical and Applied Issues, *Rutgers University Alcohol Behavioral Research Lab*, Piscataway, New Jersey, 1984-1992. Laboratory Training
- Alcohol and Aggression: Summary of Recent Biochemical and Psychosocial Research. *International Symposium on Alcohol and Aggression*. Center of Alcohol Studies, Rutgers University, October 8-9, 1992
- Alcohol Risk Reduction Training: The New Jersey Model. *Texas Commission of Health, Department of Maternal and Child Health*. Austin, Texas, 1992
- Medical Aspects and Diagnosis of Alcohol Abuse. *Northern New Jersey Association of Occupational Health Nurses, Inc.*, Edison, N.J., 1990
- Fetal Alcohol Syndrome Toxicology: A Workshop for Nurses and Physicians, *New Jersey Department of Health*, New Brunswick, New Jersey. 1990 (MDs and RNs)
- Pharmacological Problems in Medicine and Biology Today and Tomorrow. *Institute for Experimental Medicine of the Academy of Medical Sciences of the USSR*. Leningrad, Soviet Union December 4-7, 1990 (MDs, PHDs)
- Alcohol Intoxication: Identification and Medical Consequences. *Leningrad Psychoneurological Institute*, Soviet Ministry of Health, Leningrad, Russia, December 5, 1990 (MDs).
- Grand Rounds: The Interaction Between Stress and Alcohol Use. "Grand Rounds" Visiting Lecturer, Continuing Medical Education Series, *University of Connecticut Health Center*, Farmington, Connecticut 1988 (MDs, PHDs, RNs)
- Psychopharmacology: Implication for the Clinician. *State of New Jersey, Department of Human Resources, Office of Human Resources and Development*, Princeton, New Jersey, 1987(MDs, PHDs, RNs)
- Alcohol-Stress Interactions: Past, Present and Future Research. *Philadelphia Veterans Administration*, Philadelphia, Pennsylvania, 1987

- Psychopharmacology: Implication for the Clinician. *State of New Jersey, Department of Human Resources, Office of Human Resources and Development*, Princeton, New Jersey, 1987
- Alcohol Prevention: Basic and Applied Research. *Center of Alcohol Studies, Rutgers University*, Piscataway, New Jersey, 1987
- Medical Consequences of Alcohol. *XII Regional MENSA Conference*, Princeton, New Jersey, 1986
- Biochemical Evidence for the Interaction Between Alcohol and Stress: An Update. *Fifth Annual Conference in Experimental Psychology*, Adelphi University, Garden City, New York, October 24, 1986.
- Etiology of Alcoholism. *Delaware Psychological Association*. Wilmington, Delaware, 1984
- Alcohol-Other Drug Interactions. *School of Pharmacy, Rutgers University*, Piscataway, New Jersey, 1983

### **Forensics (Pharmacology/Toxicology)**

*(Partial listing of trainings/lectures related to law enforcement, forensics and investigation)*

- Drug and Alcohol Test Evidence in Fatal and Serious Motor Vehicle Collisions. Office of the Attorney General, State of New Jersey. June 4, 2015. Trenton, NJ
- Investigative Forensic Issues Involving Alcohol and Drugs in Fatal/SBI Collision Investigations. Intoxikon International-Monmouth County Prosecutor's Conference, June 17, 2013, Freehold, NJ.
- Driving Under the Influence of Drugs and Alcohol: A Review of the State of Knowledge. Annual Conference of the New Jersey Association of Accident Reconstructionists. October 8-11, 2013, Atlantic City, NJ
- Primer on Biological Warfare, InfraGard (w/Federal Bureau of Investigation) Regional Conference, Collegeville, PA, 2011 (also listed under Bioterrorism Defense Preparedness)
- Intoxication Test Evidence: Prosecutor's Guide to Cases Involving Alcohol and Other Drugs. NJ Prosecutor's College, September 11-12, 2009, Long Branch, NJ
- Technical Observation ProcesS (TOPS) training. New Jersey Division of Alcohol Beverage Control, Office of the Attorney General (required course), December 2008 (open contract)
- Review of the State of Knowledge: Alcohol, Cannabis, Stimulants, Opiates and Driving. Annual Conference of the New Jersey Association of Accident Reconstructionists. October 15-17, 2008, Atlantic City, NJ
- Pharmacology and Toxicology of Alcohol: State of Knowledge and Implication for Motorcyclists. National Transportation Safety Board, Forum on Motorcycle Safety. September 12-13, 2006 Washington, DC.
- The Effects of Alcohol and the Investigation of Alcohol-Related Crashes. New Jersey Association of Accident Reconstructionists Annual Conference, September 6-8 2006, Sayreville, NJ
- The Biopsychology of Reading the Highway. Invited presentation. National Association of Traffic Accident Reconstructionists and Investigators. Baltimore, MD 2005
- Drug and Alcohol Test Evidence in Serious and Fatal Collisions, Traffic Safety/Crash Investigation Conference, Bergen County Law & Public Safety Institute, Mahway, New Jersey 2004
- Forensic Alcohol Evidence in Criminal and Civil Cases, Monmouth County Bar Association, Monmouth County Prosecutor's Office, Freehold, New Jersey 2004
- Application of DREs in Crash Investigations. New Jersey State Prosecutor's and Crash Investigator's Association, Fire/Training Academy, Sayreville, NJ 2003



- *The Effects of Low BACs on Driving Performance*: 4<sup>th</sup> Annual DUI Conference, Virginia Beach Police Department, Virginia Beach, VA 2003
- *Driving While Intoxicated: A Crash Course*, Rutgers University School of Alcohol and Drug Studies, New Brunswick, New Jersey, 1999~ 2002
- *Forensic Psychopharmacology: Use of Alcohol and Drug Evidence in Criminal Investigation*, Morris County Prosecutor's Office, Morris County Police Training Academy, Morristown, New Jersey, 2000
- *Forensic Psychopharmacology: Biobehavioral Evaluation of Crimes Involving Alcohol and Other Drugs*, Mercer County Prosecutor's Office, Court House, Trenton, NJ, 2000
- *Forensic Alcohol Test Evidence: Application to Criminal Investigation and Prosecution*, County Prosecutor's Association of New Jersey, Annual Conference, Atlantic City, New Jersey, September 8-10, 2000
- *Forensic Psychopharmacology: Application to Fatal Motor Vehicle Accidents*. New Jersey Prosecutor's Association, Princeton, NJ, September 29, 1999. Keynote Speaker.
- *Alcohol and Other Drugs: Factors in Driver Perception and Behavior*, 10th Annual Traffic Institute for Police Services, Pennsylvania Department of Education, Seven Springs, Pennsylvania, 1998
- *Forensic Alcohol Test Evidence*, New Jersey State Criminal Law Symposium, Middlesex County Prosecutor's Office - Rutgers University, New Brunswick, New Jersey, 1997
- *Effects of Alcohol, Drugs and Other Factors on Driver Perception and Behavior*. 17th Annual Meeting, Pennsylvania Office of the Attorney General, State College, Pennsylvania, 1997
- *Forensic Alcohol Test Evidence*, Bucks County Police Training Academy, Doylestown, Pennsylvania, 1997-1998
- *Alcohol and Drug Forensic Test Evidence*, Bucks County Police Training Academy, Doylestown, Pennsylvania, 1996
- *Intoxication Test Evidence Curriculum*, Middlesex County Police Chief's Association, Edison, New Jersey, 1996
- *Crash Course in Alcohol Intoxication Test Evidence and Accident Reconstruction*, October 6, 1995, National Association of Traffic Accident Reconstructionists and Investigators (NATARI), Lancaster, Pennsylvania.
- *Standardized Field Sobriety Tests in DWI Arrests: A Course for Law Enforcement Officers*. Rutgers Police Department, New Brunswick, New Jersey, ~1994 - 2008
- *Alcohol Intoxication Test Evidence: Use in Traffic Accident Analyses*, October 21, 1994, National Association of Traffic Accident Reconstructionists and Investigators (NATARI), National Association of Professional Accident Reconstruction Specialists (NAPARS), Atlantic City, NJ.
- *Alcohol, Drugs and the Brain*. Alcohol-Drug Training Program for D.A.R.E. New Jersey, Rutgers University, 1993 (series of lectures/trainings throughout the year)
- *Intoxication Test Evidence: Use of Toxicological Data in Accident Reconstruction*. New Jersey Association of Accident Reconstructionists, Clark, New Jersey, 1993 (2)
- *Intoxication Test Evidence: Its Use in Civil and Criminal Case Development*. New Jersey Attorney General's Office, Trenton, NJ, 1992
- *DWI: Driving Alcohol and Intoxication*. Series of Workshops for Police and Police Chiefs. New Jersey Alcohol/Drug Resource Center and Clearinghouse, Rutgers University Center of Alcohol Studies, Piscataway, New Jersey, 1991
- *Pharmacology and Addiction Process of Alcohol*, New Jersey Judicial College, Woodbridge, New Jersey, 1990. Post-graduate Education
- *Driving Under the Influence*. Continuing Education Program, Rutgers University Center of Alcohol Studies, Rutgers University Advanced School of Alcohol and Drug Studies, Piscataway, New Jersey, circa 1989-1998

- *Drug Identification and Pharmacology*, New Jersey State Police Forensic Toxicology and Training Center, Sea Girt, New Jersey, 1987
- *Neural Substrates of Alcohol and Aggression: A Theoretical Perspective, Symposium on Alcohol and Aggression*. Dept. Criminal Justice, Rutgers University, Newark, New Jersey, 1983
- *Alcohol and Aggressive Behavior. Situational Determinants of Violence*. School of Criminal Justice, Newark, New Jersey. Sept. 30- Oct. 1, 1983

### **CONSULTANTSHIPS: PSYCHOPHARMACOLOGY (Alcohol and Other Drugs)**

- Psychopharmacology Consultant, Rockland County Medical Examiner's Office, Pomona, New York (open appointment from: 2004+).
- Delphi Panel (FAS/FAE/FDE), Department of Health and Human Services. Substance Abuse and Mental Health Services Administration, Washington, District of Columbia, (from c. 1997+)
- Executive Office of the President, Office of National Drug Control Policy, The White House, Washington, District of Columbia, 1992-1993
- New Jersey Governor's Council on Drug and Alcohol Prevention, Trenton, N.J., 1991-1992
- New Jersey Alcohol/Drug Resource Center and Clearinghouse, Rutgers University Center of Alcohol Studies. Scientific Consultant, 1990-1992
- New Jersey Supreme Court Subcommittee on Drugs and the Court. *Chair*, Nature of Addiction Committee, 1990.
- Alcohol, Drug Abuse and Mental Health Administration (ADAMHA), Washington District of Columbia, Member, Reviewers Reserve (ARR), c. 1988-1992. ADAMHA is now part of the National Institutes of Health (NIH).
- Alcohol, Drug Abuse and Mental Health Administration (now part of NIH), Washington District of Columbia, Member, Small Instrumentation Program, Review Panel, (from c. 1989+)
- National Institutes of Health, Washington, DC, Consultant File Project, Codes: 6465 (Neuropharmacology); 7584 (Substance Abuse Pharmacology/Toxicology), (from c. 1988+)
- National Institutes of Mental Health (now NIH), Alcohol Drug Abuse and Mental Health Administration (ADAMHA), Washington, D.C., Voting Ad-Hoc Member, IRG, Clinical & Behavioral Sciences Division, 1988-1989 (NIMH and ADAMHA are now part of NIH).
- National Institutes of Mental Health, Alcohol (NIMH), Drug Abuse, and Mental Health Administration (ADAMHA), Washington, D.C., Voting Ad-Hoc Member, Initial Review Group (IRG), Biological Neuroscience Divisions, 1988-1989 (both agencies are now part of NIH).
- Institutional Review Board for Protection of Human Subjects in Research. Rutgers University (c. 1985-1988)
- Veterans Administration, Department of Medicine and Surgery, Health Services Research and Development. Washington, District of Columbia. Evaluation of alcohol/drug programs/applications/final reports. (from c. 1983+)

### **ANALYTICAL TOXICOLOGY AND LABORATORY EXPERIENCE**

Dr. Brick's laboratory training and experience in toxicology is evidenced by the many research positions he has held. He was responsible for the development and implementation of analytical instrumentation and laboratory procedures including but not limited to the measurement and interpretation of all analytical results in various laboratories he directed or in which he worked. Specific analytical methodologies included gas chromatography (GC-FID), high-pressure liquid chromatography (HPLC-EC), column chromatography (e.g., Dowex), spectrophotofluorometric assays, and breath alcohol testing by:

infrared analysis (e.g., Datamaster®, Intoxilyzer®, Intoximeter®, BAC Verifier®), oxidation reduction (e.g., Breathalyzer) and enzymatic oxidation (e.g., ADH method). These analytical methods were used, taught and in some cases developed by Dr. Brick throughout his career at the Alcohol Behavior Research Laboratory, Rutgers University, Piscataway, NJ, Neuropharmacology Laboratory, Center of Alcohol Studies, Rutgers University, and the Neuropharmacology Laboratory, Department of Physiological Psychology, Rockefeller University, New York, NY.

## **BIOGRAPHICAL SUMMARY**

Dr. John Brick, a graduate of the joint degree program in psychobiology from Binghamton University, received his formal education and training in biological psychology (neuroscience and psychology) and has specialized for more than 45 years in alcohol and drug studies. His research career and teaching focuses on the relationship between neuropharmacology, physiology and behavior and he has been in private practice in forensic pharmacology for more than twenty-five years. He is the author of more than 100 scientific publications on the biobehavioral effects of alcohol and other drugs, including the textbooks: *Handbook of the Medical Consequences of Alcohol and Drug Abuse, 1<sup>st</sup> and 2<sup>nd</sup> Edition* (Editor/co-author), *Forensic Alcohol Test Evidence* (Charles Thomas Publishing), *The Topic Guide to Cold Case Investigations* (The Vidocq Society) and his most recent textbook, *Drugs, The Brain and Behavior: The Pharmacology of Therapeutics and Drug Use Disorder*, is now in its 3<sup>rd</sup> Edition (Routledge Press).

### ***Toxicology and Psychopharmacology of Alcohol and Other Drugs***

Dr. Brick is the Executive Director of *Intoxikon International*, a company that provides education, training and resources in drug and alcohol studies. As an Independent Forensic Examiner in private practice Dr. Brick works as a consultant in psychopharmacology, toxicology and biological psychology for the Attorney General of the Commonwealth of Pennsylvania, the Attorney General of the State of New Jersey, and numerous county prosecutor's offices and others, to evaluate alcohol and drug toxicology test results and conduct biobehavioral analyses regarding crimes and accidents. He has provided mandatory training to undercover agents and investigators for the NJ Division of Alcohol Beverage Control. Additionally, he has provided training in forensic psychopharmacology and toxicology to the Pennsylvania Traffic Institute for Police Services, Bucks County Police Training Academy, Prosecutor's Offices in Ocean, Morris, Monmouth and Middlesex County, New Jersey, numerous New Jersey police departments, and other law enforcement agencies. Dr. Brick is thoroughly familiar with all analytical aspects of blood and breath alcohol testing, and was responsible for the operational protocols for gas chromatography (GC) for the Department of Physiological Psychology Neuropharmacology Laboratory at Rockefeller University (NY), the Neuropharmacology Laboratory of the Rutgers University Center of Alcohol Studies (NJ), and the Rutgers University Alcohol Behavior Research Laboratory (GC, Breathalyzer and infra-red breath testing devices). Due to his expertise in alcohol and other drugs, Dr. Brick has worked as a consultant for numerous corporations, including National Geographic, ABC TV, NBC-TV (featured), Singer-Link, Exxon and the White House. Dr. Brick has been qualified numerous times to testify in superior courts as an expert in alcohol pharmacology, physiology of alcohol and stress interactions, the behavioral, pharmacological and physiological effects of alcohol and drug intoxication, the measurement and calculation of alcohol and other drugs in blood and body fluids and additional issues related to the neuropharmacology of drugs of abuse.

### **Internationally and Nationally**

Dr. Brick's international work in alcohol and drug studies began in 1983, when he co-organized and chaired the First International Symposium on Alcohol and Stress. In 1990, he was one of only six American scientists invited to visit and deliver an address to the National Academy of Medicine in Leningrad/St. Petersburg, Russia on the occasion of their Centenary Anniversary. Dr. Brick was the *only American scientist working in the field of alcohol studies to receive this distinct honor*. Then, in 1992, he co-organized and chaired the International Conference on Alcohol and Aggression. From 1988-1993, Dr. Brick was Associate Director of the Rutgers University Advanced School of Alcohol and Drug Studies and the Rutgers University School of Alcohol Studies, the oldest and most well-known international alcohol studies training institute in the world. In the fall of 2002, Dr. Brick was a member of the Visiting Faculty, Peking University Institute on Mental Health/International Center of Health Concerns, where he trained physicians at Beijing Medical University, Beijing China, participated in Grand Rounds at the Mental Health

Institute of Peking University (Alcohol Unit) and An Ding Hospital (Drug Unit), part of the National Institute on Drug Dependence. Dr. Brick taught Medical Consequences of Alcohol Addiction and Physiology of Addiction as part of the World Health Organization's first medical education initiative on substance abuse in Asia. During his career, he has served on the Editorial Boards of: European Journal of Toxicological Sciences, International Scholarly Research Network (ISRN) Toxicology and the Journal of Addiction Medicine and Therapeutic Science.

As a nationally recognized expert in his field, Dr. Brick has worked as a drug and alcohol consultant to various federal agencies including: the Executive Office of the President (Office of National Drug Control Policy), DuPont Pharma (Visiting Faculty), the Research Society on Alcoholism National Advocacy Committee, the Alcoholism and Drug Research Communications Center, the Editorial Board both the Journal of Studies on Alcohol (Rutgers University) and Sci-Mat (Betty Ford Clinic), and as a member of the scientific review boards for the leading biomedical journals on drug and alcohol studies published in the US. Dr. Brick is the former alcohol and neuropharmacology consultant for, among other federal agencies, the National Institute on Drug Abuse (NIDA), the National Institute of Health (NIH), the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and the Alcohol, Drug Abuse and Mental Health Administration (now part of NIH), where because of his unique qualifications in biological psychology, he was a member of both the biological neurosciences *and* clinical behavioral sciences grant review committees. Dr. Brick was twice elected President of the National Association of Perinatal Addiction Specialists, Inc. and lectures nationally on the subject of drug and alcohol intoxication and addiction medicine. He was Senior Editor of Contemporary Issues in Neuropharmacology for Haworth Medical Press (NY) from 1999-2007. Dr. Brick has the distinction of being elected twice to Fellow status by the American Psychological Association; First in 1999, for his "*outstanding contributions to the science and profession of psychology*" and again in 2007 in recognition of the national impact of his work in *Psychopharmacology and Substance Abuse*. In 2019, he was nominated and admitted into membership of The Vidocq Society and in 2021 promoted to Full Member status (limited to 83 members world-wide). He is the recipient of the 2024 Vidocq Medal for *Extraordinary Achievement* as Editor-in-Chief of Vidocq Publications, including the *Forensic Overview Series* and *The Vidocq Topic Guide to Cold Case Investigations* (now in its 2<sup>nd</sup> edition).

### Regionally

Dr. Brick has designed and executed training programs for the New Jersey Office of the Attorney General, Division of Alcohol Beverage Control and Tort Litigation Section, the New Jersey Department of Health, served as a member of the New Jersey Governor's Council Subcommittee on Prevention and is the former chair of a New Jersey Supreme Court Subcommittee on Drugs in the Court. By invitation, Dr. Brick has lectured on the effects of alcohol and other drugs in: Arkansas, Connecticut, Delaware, Florida, Illinois, Indiana, Louisiana, New Jersey, Nevada, New York, Oklahoma, Pennsylvania, Rhode Island, Texas, Virginia and West Virginia. In New Jersey, for example, he has taught for the New Jersey Judicial College, the New Jersey State Police Training Center, the Rutgers University Police Department, the NJ Division of Alcohol Beverage Control (ABC) and the Office of the Attorney General (PA and NJ) and MENSA (Central NJ Chapter, Princeton NJ). Dr. Brick is the recipient of a Faculty Merit Award from Rutgers - the State University of New Jersey (1990) and an Addiction Service Award for Excellence in Alcohol and Drug Education (1993). In 1994, he was made an Honorary Member of the Oklahoma Pharmacy Association for his "*outstanding contributions*" to the profession of pharmacy (pharmacology and addiction). In 1998, Dr. Brick was recognized by MADD for his expertise and service related to DWI issues, and received their first New Jersey statewide Community Service Award. He received an open staff appointment with the Rockland County (NY) Office of the Medical Examiner in 1999 and was Medical Advisor to the Executive Board of the New Jersey Association of Accident Reconstructionists (NJAAR) from 1999 to 2013. In recognition of Dr. Brick's "*dedication and professionalism and contributions to the advancement of the field of crash reconstruction,*" in 2014 he was promoted to NJAAR Life Member.

Dr. Brick worked for Rutgers University for approximately twenty-seven years. During that period he served as a member of the research faculty of the Center of Alcohol Studies from 1980-1994 and the Rutgers Advanced School of Alcohol and Drug Studies from 1986-1998. Dr. Brick was Chief of Research, Rutgers Center of Alcohol Studies, Education and Training Division from 1988-1993, Lab Director of the Rutgers Alcohol Behavior Research Laboratory from 1984-1988, and Chairman of the Biology of Alcohol and the Foundations of Alcohol Studies graduate curriculum at the Center of Alcohol Studies from 1984-1993 and worked as a Forensic Alcohol/Drug Consultant to the Rutgers University and the Rutgers University Police Department from 1992-2007. Dr. Brick also held faculty appointments in the Department of Clinical Psychology/Graduate School of Applied and Professional

Psychology at Rutgers University, and elsewhere. Dr. Brick has taught graduate courses in clinical psychopharmacology, biology of alcohol, and neurophysiology at Rutgers University; as well as courses in neuropharmacology for twenty years (~1982-2002) at the Rutgers University Center of Alcohol Studies, and elsewhere.