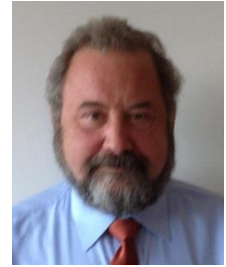




Rev: July 2023

CURRICULUM VITA

JONATHAN JOSEPH LIPMAN, Ph.D., MRSB., FACN CBiol CSci **Neuropharmacologist**



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BIRTH: 22 March 1952, Leeds, England (Naturalized USA)

AFFILIATION: *Clinical Associate Professor of Psychiatry and Behavioral Science*
Quillen College of Medicine, East Tennessee State University.

EDUCATION

High School Allerton Grange School, Leeds, England,
General Certificates of Education, June 1970

Undergraduate: Kitson College of Science, Leeds, England,
Advanced Level Certificates of Education, June 1972

Graduate: The Hatfield Polytechnic, Hertfordshire, England,
B.Sc. (Honours) Applied Biology, 1976

Externship: Department of Neurosurgical Studies, National Hospital for Nervous
Diseases, Queen Square, London, England.

State Registration: Registered Biomedical Scientist (BS17189),
United Kingdom Health Care Professions Council (1978 to present)

Postgraduate: Ph.D. (Neuropharmacology) University of Wales Institute of Science and
Technology (UWIST), Cardiff, Wales, December 1979

Postdoctoral: University of Tennessee Center for the Health Sciences (1980-1983)

REGISTRATION / CERTIFICATION:

Information/HIPPA Privacy Security Certification (CITI, recertified to Nov 2024)	
Biomedical Investigators Human Research re-certification (CITI, recertified to Nov 2024)	
Fellow of the Royal Society of Medicine (United Kingdom)	
US National Provider Identifier numbers: 1003981218, 1447325634	
Chartered Scientist, the Science Council (United Kingdom), recertified to 2023	CSci
Member of the Royal Society of Biology (United Kingdom)	MRSB
Health Care Professions Council, Biomedical Scientist (UK), Registered BS17189	
Chartered Biologist (United Kingdom) recertified to 2023	CBiol
Fellow of the Institute of Biomedical Sciences (United Kingdom)	FIBMS
Certification Board for Nutrition Specialists [recertified July 2010]	CNS
Senior Disability Analyst and Diplomate of the American Board of Disability Analysts	DABDA
Fellow, American College of Nutrition	FACN
<i>Retired board affiliations:</i>	
Fellow and Diplomate, American Board of Medical Psychotherapists & Psychodiagnosticians	DABMP
Registered Nutritionist (United Kingdom) (retiring 2022)	RNutr
Diplomate, Academy of Integrative Pain Management (re-credentialed October 2016)	DAIPM
Fellow and Diplomate - American Academy of Pain Management (recertified Sept 2015)	(renamed AIPM)
National Registry of Certified Pain Practitioners (in Neuropharmacology)	
<i>Qualified in the following boards which have ceased operation:</i>	
Fellow and Diplomate of the American Board of Forensic Examiners	DABFE
Fellow and Diplomate of the American Board of Forensic Medicine	DABFM
Diplomate of the American Board of Psychological Specialties: Psychopharmacology Board	DABPS
Diplomate of the American Board of Psychological Specialties: Substance Abuse Board	DABPS

PROFESSIONAL EXPERIENCE:

5/74 - 10/75	Institute of Neurology, Department of Neurosurgical Studies, National Hospital for Nervous Diseases, Queen Square, London, England.
9/76 - 1/80	Research Associate and Instructor, The Welsh School of Pharmacy, University of Wales Institute of Science and Technology, Cardiff, Wales.
2/80 - 9/83	Research Associate, Departments of Anesthesiology and Biochemistry and U.T. Pain Clinic, University of Tennessee Center for Health Sciences, Memphis, Tennessee
9/83 - 7/93	Research Instructor, Department of Surgery, Vanderbilt University School of Medicine, Nashville, Tennessee.
9/84 - 6/88	Research Instructor, Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee.
6/88 - 7/93	Research Assistant Professor, Departments of Medicine Surgery and Psychology (adjunct), Vanderbilt University School of Medicine, Nashville, Tennessee.

7/93 - 3/94	Group Leader, Pharmacology, Molecular Geriatrics Corp., Lake Bluff, IL.
10/94 -2007	Senior Vice President, R & D. Medical Toolworks Inc., Northwestern University /Evanston Research Park, Evanston, IL.
1/97-2007	President and CEO, Neuroscience Toolworks Inc., Northwestern University /Technology Innovation Center, Evanston, Illinois.
9/01 – Present	Associate Clinical Professor of Psychiatry and Behavioral Science, Quillen College of Medicine, East Tennessee State, University, Johnson City, TN.
2008-2011	<p><u>Activity Director</u>: Dept of Continuing Medical Education committee: Symposium on Controversies in Pain Management, East Tennessee State University, Johnson City, TN</p> <p>CME Program # 7983 Controversies in Pain Management: <u>Chronic Headaches</u>, Nov 14, 2008</p> <p>CME Program #10721 Controversies in Pain Management: <u>Neuropathic Pain</u>, Nov 13, 2009</p> <p>CME Program #12809 Controversies in Pain Management: <u>Pain, Dependency and Addiction</u>, November 12, 2010</p> <p><u>Controversies in Pain Management symposium</u>: The Pain Continuum- Treatment Strategies, Challenges and Pitfalls (2011)</p>
2016-2018	Program / planning committee member: <u>Psychiatry in the mountains</u> symposium series, East Tennessee State University
2018	Course coordinator: Psychiatry Residency Forensic Didactics lecture series, Quillen College of Medicine
2018/2022	Member: Grand Rounds Committee, Psychiatry Department, East Tennessee State University

CONSULTANTSHIPS / PROFESSIONAL AFFILIATION HISTORY (CURRENT*):

***Testifying forensic consultant and expert witness in neuropharmacology, neurotoxicology and idiosyncratic effects of drugs and their interactions on human behavior:** in US Military Courts and in State and Federal courts of Alaska, Alabama, Arizona, Arkansas, California, Colorado, Florida, Georgia, Illinois, Kansas, Kentucky Louisiana, Massachusetts, Mississippi, Missouri, Montana, Nevada, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, Tennessee, Texas, Utah, Vermont, Virginia, and Washington, and in the District of Columbia

Consultant:	American Academy of Pain Management Pain Clinic Accreditation/Site Visit Team
Board Member:	Executive Board of Scientific and Technical Advisers (1998-2009). American Board of Forensic Examiners, Chair Emeritus of the Executive Board of Scientific and Technical Advisers (2002-4 term), ABFE board member 2005-2009
Director	Toxicology Section, American College of Forensic Examiners
Consultant:	U.S. Department of Health & Human Services, Public Health Service, National Institute on Drug Abuse
Consultant:	In analgesic drugs; to Boehringer Ingelheim Sohn, Ingelheim- Am-Rhine, Germany.
Investigator:	Cathinone (KHAT) project; to the World Health Organization, Pharmacology Department, Vienna, Austria.
Research Collaborator	Consultant to the Program in Kidney Disease, School of Medicine, UCLA, Los Angeles, California.
Research Collaborator	Division of Nuclear Medicine, Brookhaven National Laboratory, Upton, Long Island, New York.
Principal Investigator:	Dietary Modification of Uremic Encephalopathy (Center in Nutrition Research Unit/NIH / VUMC)
Principal Investigator:	Aluminum Toxicity in Uremia (Center in Molecular Toxicology/NIH/VUMC.
Preceptor:	Diabetes Research and Training Center, Vanderbilt University Medical School, Nashville, Tennessee.
Chief Investigator:	Vanderbilt University Clinical Research Center; Heatbeam Dolorimetry for Assessment of Pain (GCRC Project #357).
Investigator:	Research Service in Brain Research Veterans' Administration Hospital Nashville, Tennessee.
Reviewer:	NIH / USPHS National Center for Complementary and Alternative Medicine (2003 and 2004).

PATENTS:

Systemes et procedes d'evaluation de douleur general, Canada CA 2426177, Issued 16 April 2003
Comprehensive pain assessment systems and methods, US20020052562, Issued 2 May 2002
Improved Heatbeam Dolorimeter US 6,248,079 issued 19 June 2001
Heatbeam Dolorimeter for Pain and Sensory Evaluation, US 5,941,833, Issued 24 Aug 1999

PEER-REVIEWED RESEARCH GRANT HISTORY:

1986-1987	Dietary Modification of Uremic Encephalopathy Vanderbilt University Center in Nutrition Research Unit – NIH-USPHS.
1987-1988	A Rodent Model of Aluminum Encephalopathy Biomedical Research Support Grant – NIH-USPHS.
1987-1988	The Effect of Aluminum On Regional Cerebral Glucose Incorporation Research Training Grant: Recipient Stephan Tolchard, Bristol Polytechnic (UK) PI/Research Director: J.J. Lipman, Ph.D.
1987-1990	Studies on the Modulation of Uremic Encephalopathy, Dialysis Clinics Incorporated.
1987-1988	Aluminum Neurotoxicity in Uremia -Vanderbilt University Center in Molecular Toxicology – NIH-USPHS.
1987-1990	Autotomy, Neuroma and Central Pain Models Veteran’s Administration, Nashville, TN VAMC, PI: B. Blumenkopf, MD (Co-Investigator: J.J. Lipman, Ph.D).
1988-1989	The Effect of age and Dietary Modification on the Quantitative Electro - Encephalogram. Research Training Grant: Recipient Deborah L. White, Bristol Polytechnic, UK (Awarded the 1989 Young Investigator Award of the American College of Nutrition).
1995-1999	A Computerized Heatbeam Dolorimeter [PHASE I and II] FROM: US Public Health Service/NIH (SBIR), National Institute for Neurological Diseases and Stroke. P.I. J.J.Lipman PhD.
2000-2004	Heatbeam Dolorimeter Commercialization, State of Illinois, Department of Commerce and Community Affairs, PI J.J. Lipman PhD.
2001-2004	Computerized Pain Assessment Tool (ComPAT) Research and Development Contract from the SBIR / NIH / NINDS – Phase I and II. P.I.: J.J.Lipman PhD

LECTURES, SEMINARS AND PRESENTATIONS (selected)

Lecturer: Neuropharmacology and the basics of drug testing, Tennessee First Judicial District Assistance Corporation, 2021 -CLE/CME Annual Seminar, November 2021

Lecturer: The Antidepressant drug pipeline ETSU Psychiatry Grand Rounds (2017)

Lecturer: Genetic testing in pain management, lecture in the “A Tough Pill to Swallow” series, East Tennessee State University Continuing Medical Education, August 2016

Lecturer: Pharmacogenetics, ETSU Psychiatry Grand Rounds (2016)

Organizing Committee: East Tennessee State University “Psychiatry in the Mountains” Continuing Medical Education Seminars (from April 2016)

Committee member: East Tennessee State University Psychiatry Faculty Research Committee (from May 2016)

Lecturer: Update on Recent Trends in Abused Drugs ETSU Psychiatry Grand Rounds: (2014)

Lecturer: New and Future Drugs of Abuse: Ninth Annual Forensics Academy, Oklahoma City, OK, 18 April 2014

Lecturer: Drug abuse, addiction and the brain: Forensic relevance, US Criminal Justice Administration / IACDL Seminar training, 9 November 2012

Organizing Committee: East Tennessee State University Continuing Medical Education Program #2012: Improving patient functionality in the primary care setting, 16 November 2012

Lecture: Understanding Addition, Drug Abuse, Brain and Behavior Criminal Justice Administration / Federal Defender Seminar, Eastern District of Michigan, 25 Sep 12

Seminar: Senior Psychiatry Resident Didactics “Consultation as Practice”, East Tennessee State University, 11 Sept 2012

Lecture: Addiction, the Brain and Behavior: National Federal Defender Training Seminar, Atlanta, GA, May 30,31, 2012

Lecture: Altered by drug use: Acute and chronic, licit and illicit, Federal Defender Capital Habeas Unit Conference, Portland, Oregon, May 2012

Activity Director: The Pain Continuum: treatment strategies, challenges and pitfalls, ETSU CME Program 15 November 2011

Lecture: Future Trends in Drugs of Abuse, Psychiatry Grand Rounds, East Tennessee State University, February 2011; <http://qcom.etsu.edu/cmefiles/handouts/02-04-11Lipman.pdf>

Activity Director: ETSU Continuing Medical Education Program #12809 Controversies in Pain Management: Pain, Dependency and Addiction, November 12, 2010

Activity Director: ETSU Continuing Medical Education Program #10721 Controversies in Pain Management: Neuropathic Pain, Nov 13, 2009

Activity Director: ETSU Continuing Medical Education Program # 7983 Controversies in Pain Management: Chronic Headaches, Nov 14, 2008

Lectures, faculty: Biopsychology of Pain – Psychiatry postgraduate didactic lectures, Quillen College of Medicine, Johnson City, Tennessee (2005, 2006, 2007)

Organizing Committee: Seminar: Common Back Pain Syndromes and Treatment Options, Office of Continuing Medical Education, East Tennessee State University, Nov 16, 2007

Lecture: Neurobehavioral changes due to stimulant treatment Pediatric Grand Rounds, East Tennessee State University, 27 June 2007

Lecture: ADHD/ADD treatment with stimulants, Pediatric Grand Rounds, East Tennessee State University (with Stern P and Thigpen J) 14 June 2006

Moderator: American Board of Psychological Specialties Annual Meeting Presentations: Chronic Pain, Personality Attributes, Disability Evaluation, Iatrogenic Illness, New York, Oct 1999

Lecturer: The Principles of Chronic Pain Management, Symposium, faculty and lecturer. Vanderbilt University Medical Center, September 1991.

Lecturer: Mental Health Issues, Capital Litigation and Investigation Seminar, Nashville, Tennessee, January 23-25, 1992.

Lecturer, Faculty: Behavioral Psychopharmacology (plenary session) and Convenor of Evidentiary and Litigation Workshop, Airlie, Virginia, August 1-4, 1991.

SELECTED PUBLICATIONS:

Stern HP, **Lipman J**, Andersen SL, Bossaer JB, Thigpen J. (2017) Risks of Stimulant Use for Attention Deficit Hyperactivity Disorder on the Developing Brain: Primum non nocere. Clin Pediatr (Phila). 2017 Apr 1:9922817706148. <https://doi.org/10.1177/0009922817706148>

Lipman JJ (2010) Tranquilizer drug forensics, *Forensic Examiner*, 19(1):16-32
<http://www.neuroscienceconsulting.com/pdfs/Tranquilizer%20Drug%20Forensics.pdf>

Lipman JJ (2008) The Methadone Poisoning "Epidemic" *Forensic Examiner*, Summer 2008; 17 (2) 38-46
https://www.jurispro.com/files/articles/methadonepoisoningepidemic_1631.pdf

Dunn WA., Labay LM and **Lipman JJ** (2007) A method for the estimation of drug concentrations in dried bloodstains. *Proc Society of Forensic Toxicologists*, Durham NC, abs P29 , Oct 2007

Lipman, JJ (2004) Psychometric Profiles of Violent Offenders with Histories of Psychostimulant Psychosis: A Pilot Study, *International Journal of Forensic Psychology*, 1(2) 82-93(2004)
<http://www.uow.edu.au/content/groups/public/@web/@health/documents/doc/uow045076.pdf>

Lipman JJ (2001) Personality Drug Abuse and Murder: A pilot Study, *Forensic Examiner* 10 (1 & 2) 20-26
<http://www.jurispro.com/uploadArticles/Lipman-Personality.pdf>

Lipman JJ (1999) Chronic Pain Assessment Using Heatbeam Dolorimetry, *Proceedings of the American College of Forensic Examiners/ American Board of Psychological Specialties*, Oct/Nov 1999. *Forensic Examiner* 9 (1&2), 34

Lipman JJ (1999) Recent Developments in Chronic Pain Assessment Using Heatbeam Dolorimetry,

Proceedings of the American College of Forensic Examiners / American Board of Psychological Specialties- Annual Training, New York, October 1999

Miller BE, Miller MN, Schacht T, Kauffmann C and **Lipman JJ** (1999) Depressed Patients Report More Subjective Pain and Have a Higher Objective Pain Tolerance Than Normal Controls. Proc. Soc. Neurosci Annual Meeting, Miami, Abstract 839.3

Lipman JJ (1999) Psychopharmacology and the Disability Analyst. Chapter 2 in Anchor K and Felicetti T (eds) Disability Analysis in Practice, Kendall Hunt (pubs)

Lipman JJ and Murphy PJ, (1998) Idiosyncratic psychotoxic effect of codeine in a criminal defendant suffering Gilbert's Syndrome, Forensic Examiner, Nov-Dec 1998

Lipman JJ (1997) Recent Forensic Pharmacological Developments in Drug Abuse: The growth and problems of speedballing Forensic Examiner 6 (7-8) 9-13, 1997
<http://www.jurispro.com/uploadArticles/Speedball.pdf>

Lipman JJ, (1996) Multiple Homicides Occurring During A Time Of Abnormally Low Drug Concentration In The Hair Of A Treated Paranoid Schizophrenic, Forensic Examiner, 14-15, Mar-Apr

Lipman, JJ (1995) Objective Scientific Study of Hypnotic Analgesia on Experimental Pain. Adventures in Education. 11(3) 1-5, 1995.

McMullin MM. Selavka CM, Wheeler MT Werrell PL, Karbiwnyk CM and **Lipman JJ**, (1993) Forensic hair testing for haloperidol: A tale of two cases. Proceedings of the American Academy of Forensic Sciences, December 1993

Blumenkopf B and **Lipman JJ**.(1990) Autotomy I: Evidence supporting its being a behavioral response to nociceptive afference. Proceedings of the American Association of Neurological Surgeons, May 1990, Nashville, TN.

Blumenkopf B and **Lipman JJ** (1991). Studies in Autotomy: Its pathophysiology and usefulness as a model of chronic pain. Pain 45(2):203-211, 1991.

Lipman JJ (1991) Pain Measurement In: Contemporary Issues in Pain Management. Parris, WCV (ed.) Kluwer (Pubs).

Lipman JJ, Blumenkopf B, Lawrence PL (1990). Normal and Radiculopathic Cutaneous Pain Tolerance Levels Evaluated By Heat-Beam Dolorimetry. J. Neurosurgery 72:883-888,

Blumenkopf B, **Lipman JJ** (1990), Autotomy I: Evidence supporting its being a behavioral response to nociceptive afference, Proceedings of the 6th Annual Meeting, American Academy of Neurological Surgeons, February 1990, Captiva Island, Florida

Blumenkopf B, **Lipman JJ** (1990), Autotomy II: Evidence supporting the existence of a Transportable Autotomy Inhibitory Mediator (TAIM), Proceedings of the 6th Annual Meeting, American Academy of Neurological Surgeons, February 1990, Captiva Island, Florida

Lipman JJ, Tolchard S (1990) Separate and Combined Effects of Morphine and Amphetamine on the

Quantitative Electroencephalogram and Regional Cerebral Glucose Uptake in a Rat Model, Neuropsychobiology 23:89-98.

Lipman JJ, Miller BE, Mays KS, Miller MN, North WC and Byrne, WL (1990). Peak "B" Endorphin Concentration in Cerebrospinal Fluid: Reduced in Chronic Pain Patients and Increased During the Placebo Response. Psychopharmacology 109 (1) 112-116, 1990.

Lipman JJ, Lawrence PL, DeBoer DK, Shoemaker MO and Teschan PE (1990) Role of dialysable solutes in the mediation of Uremic Encephalopathy Kidney International 37(3):892-900

Lipman JJ, Blumenkopf B, Lawrence PL (1990). Normal and Radiculopathic Cutaneous Pain Tolerance Levels Evaluated By Heat-Beam Dolorimetry. J. Neurosurgery 72:883-888.

Lipman JJ and Blumenkopf B (1990) No Evidence for a Segmental Local Analgesic Effect Due to Intrathecal Morphine Sulphate. Proceedings of the Intraspinal Narcotic Special Interest Group Meeting, Hawaii, April 1990.

Lipman JJ and Blumenkopf B (1990) Thermal pain tolerance dolorimetry for evaluation of the pain and sensory deficits of radiculopathy. Proceedings of the American Association of Neurological Surgeons, May 1990, Nashville, TN.

Lipman JJ, Blumenkopf B.(1989) Comparison of Subjective and Objective Analgesic Effects of Intravenous and Intrathecal Morphine in Chronic Pain patients by Heat Beam Dolorimetry. Pain 39:249-256, 1989.

Blumenkopf B and **Lipman JJ** (1989) Hyperalgesia of peripheral nerve injury (PNI) evaluated by Heat Beam Dolorimetry. Proceedings of the American Association of Neurological Surgeons, February 1989, Cancun, Mexico

Lipman JJ, Tolchard S (1989) Comparison of the Effects of Central and Peripheral Aluminum Administration on Regional 2-Deoxy-D-Glucose Incorporation In The Rat Brain. Life Sciences 45:1977-1987, 1989.

Lipman JJ,(1988) The Electroencephalogram as a Tool for Assaying Neurotoxicity Chapter 38 In Colowick and Kaplan's Methods in Enzymology, Vol. 165, Microbial Toxins, Harshman, S. (ed.), Academic Press, New York, p. 276-277, 1988.

Lipman JJ, White DL, Tolchard S, Lawrence PL (1988). The Effect of Elevated Dietary Phosphate on Uremic Progression and the Electroencephalogram in Renally Compromised Rats. Journal of the American College of Nutrition, Vol. 7, No. 5, October, 1988.

Lipman JJ, Lawrence PL, Sulser D, White DL, Tochar S, Teschan PE (1988) Uremia Produces Dialysis-Reversible Depression of Geniculate but not Superior Collicular or Cortical 2-Deoxy-D-Glucose Uptake. Society for Neuroscience Abstracts, Vol. 14, November, 1988.

Lipman JJ, Lawrence PL, DeBoer DK, Shoemaker MO, Sulser D, Tolchard S, Teschan PE (1988) The Role of Dialyzable Solutes in the Mediation of Uremic Encephalopathy in the Rat Indexed by Electroencephalography and Regional Cerebral Glucose Uptake. Proceedings: American

Society of Nephrology, 21st Annual Meeting, December, 1988.

Nishijima F, Ikoma M, **Lipman JJ**, Teschan P, Fogo A, Ichikawa I (1988) Effect of Dialytic Intervention on the Function and Morphology of Glomeruli in Rats at an Early Stage of Progressive Renal Disease. Proceedings: American Society of Nephrology, 21st Annual Meeting, Dec.1988.

Lipman JJ, Colowick SP, Lawrence PL, Abumrad NN (1988). Aluminum induced encephalopathy in the rat. Life Sciences 42(8):863-875 (1988).

Lipman JJ, White DL, Lawrence P, Teschan PE (1988). Juvenile Hypocalcemia provokes Persistent Electroencephalographic Change in Renally Compromised Rats J Am Coll Nutrition, 7(6): 453-460

Teschan PE, **Lipman JJ (1988)**, Lawrence PE, and DeBoer D. Solutes vs Symptoms in Uremia. Int'l Artificial Organs 11 (4):232-234

Lipman JJ (1988), Neurotoxic Actions on Mammalian Nerve Impulse Conduction: Chapter 37 In Colowick and Kaplan's Methods in Enzymology. Vol. 165, Microbial Toxins. Harshman, S. (ed.) Academic Press, New York, pp. 254-269

Lipman JJ, Blumenkopf B, Parris WCV (1987) Chronic Pain Assessment Using Heat- Beam Dolorimetry. Pain 30:59-67, 1987

Miller BE, **Lipman JJ**, Byrne WL (1987) Partial Characterization of a Novel Endogenous Opioid in Human Cerebrospinal Fluid. Life Sciences 41:2535-2545, 1987.

Teschan PE, **Lipman JJ**, Lawrence P, DeBoer D (1987), Encephalopathic Toxicity: An Experimental Model of Uremic and Solute-Specific Dialysis (Proceedings) ISAO Symposium on Uremic Toxins; S. Ringoir, (ed.), (Plenum Pubs.) Ghent, Belgium.

White DL, **Lipman JJ**, Lawrence PL, Teschan PE (1987). Dietary Hypocalcemia Provokes Transient Uremia and Persistent Electroencephalogram Changes in Renally Compromised Juvenile Rats. J Am Coll Nutrition, Vol. 6(5), 441, 1987.

Lipman JJ, Lawrence PL, Teschan PS: (1987). Dialysate Solute Relations in Rat Uremic Neurotoxicity. Proceedings of the Xth International Congress of Nephrology (abstract), London, 1987.

Lipman JJ, Colowick SP, Lawrence PL, Abumrad NN (1987). Aluminum Induced Encephalopathy in the Rat. Proceedings of the Xth International Congress of Nephrology (abstract), London, 1987.

Teschan P, **Lipman JJ**, Lawrence PL, DeBoer D, White D, Sulser, D: (1987). Quantitative Solute-Symptom Relationships in renal Failure and Solute-Specific Dialysis. Proceedings: American Society of Nephrology, Washington, D.C., 1987.

Teschan PE, **Lipman JJ**, Lawrence P, DeBoer D: Encephalopathic Toxicity (1987): An Experimental Model of Uremic and Solute-specific Dialysis. (Proceedings), ISAO Symposium on Uremic Toxins; S. Ringoir, (ed.), (Plenum Pubs.) Ghent, Belgium, 1987.

Lipman JJ, Brill AB, Som P, Jones KW, Colowick S, Cholewa J: (1987) Studies of Aluminum in Rat Brain. Biological Trace elements Research Vol 13, pp. 44-53,

Blumenkopf B, **Lipman JJ** (1987). Objective Assessment of the Nociceptive Sensibility and Deficits Associated with Radioculopathy Using the Heat Beam Dolorimeter. Proceedings of the Fifth World Congress on Pain, Hamburg, West Germany, August 20, 1987. Pain, (Suppl. 4), 1987, S10.4

Lipman JJ, Blumenkopf B, Parris WC (1987). Chronic Pain Assessment Using Heat Beam Dolorimetry. Proceedings of the Fifth World Congress on Pain, Hamburg, West Germany, August 2-7, 1987. Pain, (Suppl.4), 1987, S353.

Mays KS, **Lipman JJ** and Schnapp M (1987). Local analgesia without anesthesia using peripheral perineural morphine injections. Anesthesia and Analgesia 66:417-420, 1987. <http://www.anesthesia-analgesia.org/content/66/5/417.full.pdf+html>

Lipman JJ and Blumenkopf B (1986): Pain Assessment Using Heat Beam Dolorimetry In Neurosurgical Patients. Proc Soc Neurol Surg (abstract), 1986.

Lipman JJ, Parris WCV, and Blumenkopf B (1986): Heat Beam Dolorimetry in the Assessment of Chronic Pain. Proceedings of the 6th Annual Meeting of the American Pain Society, Washington, D.C., (abstract), 1986.

DeBoer D, **Lipman JJ**, Lawrence PL, Teschan PE (1985). Automated EEG Monitoring System for Quantification of Uremic Encephalopathy in a rodent Model. Proceedings of the Am.Assoc. Med. Instr., 1985.

Byrne WL, **Lipman JJ**, Miller BE, Mays KS and North WC (1985). Pain and the placebo response: Involvement of CSF endorphins. Federation Proceedings, (abstract),

Wehr CJ, **Lipman JJ**, Hammon JW Jr, Bender HW Jr and Merrill WH (1985) Effect of carbon dioxide tension and hypothermia on cerebral blood flow and the electrocorticogram during cardiopulmonary bypass. Surgical Forum XXXVI:240-242

Wehr CJ, Gerhardt E, DeBoer DK and **Lipman JJ** (1984): Quantitative Electrocorticographic Effects Attendant on Cardiopulmonary Bypass (CPB) in the Dog: Correlation With Regional Cerebral Blood Flow and pCO₂. Proceedings of the Second Annual Vanderbilt University Research Forum.

Jazarevic S, **Lipman JJ**, Abumrad NN (1984): Inactivation of opioid receptors by collagenase: Relevance to studies on glucose homeostasis. Proceedings of the Second Annual Vanderbilt University Research Forum.

Wehr CJ, **Lipman JJ**, Hammon JW Jr, Bender HW JR and Merrill WH (1984). The effect of arterial carbon dioxide tension on cerebral blood flow and electroencephalogram during cardiopulmonary bypass. Surgical Forum 35:252-254,

Lipman JJ, Miller BE, Mays KS, North WC, Karkera S and Byrne WL (1983). CSF endorphin levels in

chronic pain patients and in patients before and after a placebo pain relief. In: Advances in Endogenous and Exogenous Opioids. Kodansha Press (pubs), Japan, pp.315-317,

Lipman JJ, Miller BE, Karkera S, Winfield RC, North WC and Byrne WL. (1983) Morphine tolerance is associated with elevated levels of an uncharacterized endorphin (peak B) in mouse brain with no change in ³H-dihydromorphine binding. Life Sciences 33(1):373-376, 1983.

Mays KS, Schnapp M, **Lipman JJ** and North WC (1981) Pain relief after peripheral perineural injection of morphine. Pain 10, Suppl. 120, 1981.

Mays KS, Schnapp M, North WC, **Lipman JJ** and Yodlowski E (1981) Morphine peripheral perineural injection in chronic pain syndromes. In: Rizzi R (ed). Proceedings of the International Postgraduate Course in Pain Therapy. Italian Ministry of Health (pubs).

Miller BE, **Lipman JJ**, Karkera S, Winfield R., Byrne WL, Mays KS and North WC (1981). Partial purification and characterization of a novel human endorphin from human CSF. Proc. Society for Neuroscience (abstract), 1981.

Lipman JJ, Hudson JS, Karkera S and Winfield R. (1981) CSF Endorphin changes during transcutaneous electrical nerve stimulation (TENS) for relief of causalgia-like pain: Report of a case. Proc. Memphis Neuroscience Society (abstract), 1981.

Miller BE, Byrne WL, Noel M, Ungar AL, Mays K, North WC and **Lipman JJ**. (1980) Levels of cerebrospinal fluid endorphin are elevated in placebo responding chronic pain patients. Proceedings of the Society for Neuroscience (abstract), 1980.

Lipman JJ and Spencer PSJ (1980). A new rapid technique for intracerebroventricular administration of agents in the conscious mouse. Journal of Pharmacological Methods 4:327-333, 1980.

Lipman JJ and Spencer PSJ (1980). A comparison of muscarinic cholinergic involvement in the antinociceptive effects of morphine and clonidine in the mouse. European Journal of Pharmacology 64:249-258, 1980.

Lipman JJ and Spencer PSJ (1979). An examination of tolerance to the antinociceptive effects of clonidine, morphine and their combination in the mouse tail immersion test. In: Way EL (ed.). Endogenous and Exogenous Opiate Agonists and Antagonists. London: Pergamon Press, pp. 197-200,

Lipman JJ and Spencer PSJ (1979). Further evidence for a central site of action for the antinociceptive effect of clonidine-like drugs. Neuropharmacology 18:731-733

Lipman JJ and Spencer PSJ (1978) Clonidine and opiate withdrawal. Lancet 11:521

