CURRICULUM VITAE

KURT J. VARNER, Ph.D., FAHA

DATE:	July 31, 2015
DATE OF BIRTH:	October 25, 1959
HOME ADDRESS:	568 Winbourne Dr. Slidell, LA 70461 Ph. (985) 639-0969
MARITAL STATUS:	Married, Laura Children: Taylor, Erin, Ryan
OFFICE ADDRESS:	Department of Pharmacology LSU Health Sciences Center 1901 Perdido Street New Orleans, LA 70112 (504) 568-4742 (504) 568-2361 (FAX) E-mail kvarne@lsuhsc.edu
LSUHSC DATE OF APPOINTMENT:	January 1, 1991
PRESENT ACADEMIC RANK.	Professor, (July 1, 2001) Department Head (July 16, 2010)

EDUCATION:

High School	Northville High School, Northville, MI, 1978
College:	Kalamazoo College, 1978-1982, B.A. Health Sciences
Graduate School:	Michigan State University, 1987, Ph.D. - Pharmacology

ACADEMIC APPOINTMENTS:

University of Iowa, 1987-1989 Postdoctoral Fellow, Department of Pharmacology and Cardiovascular Center

University of Iowa, 1989-1990 Research Associate, Department of Pharmacology and Cardiovascular Center

Louisiana State University Health Sciences Center, 1991-1996, Assistant Professor, Department of Pharmacology

Louisiana State University Health Sciences Center, 1996-2001, Associate Professor, Department of Pharmacology

Louisiana State University Health Sciences Center, 2001- present, Professor, Department of Pharmacology

Louisiana State University Health Sciences Center, 2006- present, Adjunct-Professor, Department of Anesthesiology

Louisiana State University Health Sciences Center, 2008- present, Adjunct-Professor, Department of Pediatrics

Louisiana State University Health Sciences Center, 2006 – 2010, Interim Head, Department of Pharmacology

Louisiana State University Health Sciences Center, 2010 – present, Head, Department of Pharmacology

David R. Bethune/ Lederle Laboratories Professor, 2010 - present

Louisiana State University School of Graduate Studies Faculty, 1991 to present

Louisiana State University Neuroscience Center of Excellence Faculty, 1993 to present

Louisiana State University Cardiovascular Center of Excellence Faculty, 1995 to present

ADMINISTRATIVE AND COMMITTEE RESPONSIBILITIES:

Department of Pharmacology

Member, Departmental Graduate Training Committee, 1991-present
Member, Departmental Graduate Recruitment Committee, 1991-2003
Director, Kalamazoo College Internship Program 1992-present
Director, Student and Scientist Co-operative Exchange program with Federal University of Espirito Santo, E.S., Brazil, 1995-present.
Member, Departmental Curriculum Committee, 1995-2001

School of Medicine

Member, LCME Accreditation Committee, Institutional Self-Study Analysis Committee on Faculty, 1994
Member, LSU Medical School Honors Program Committee, 1993-1996; 2002-present
Coordinator, LSUMC Neuroscience Center of Excellence Seminar Series, 1993-1996
Member, LSU Medical Center Curriculum Development Work Group, 1997-1999
Member, LSU Medical Center Curriculum Oversight Committee, 1998-1999
Member, LSU Medical Center Curriculum Renewal Committee, 1999-2004
Member, LSU Medical Center Evaluation Work Group subcommittee, 1999
Member, Medical School Committee on International Affairs, 1998-2006
Member, LCME Accreditation Committee, Institutional Self-Study Analysis Committee on Basic Sciences, 2001
Member, LCME Accreditation Committee, Institutional Self-Study Analysis Committee on Libraries, 2001
Member, LSUHSC School of Medicine Research Advisory Committee, 2001-2010
Chairman, Search Committee for Dean, School of Medicine, LSUHSC, 2006
Member, Search Committee for Head, Department of Physiology, 2008
Member, Strategic Planning Committee, Core Facilities subgroup 2008-
Member, LCME Accreditation Committee, Institutional Self-Study Analysis Committee on Students, 2009
Member, LCME Accreditation Committee, Institutional Self-Study Analysis Committee on Facilities, 2009
Chairman, Committee to Enhance Administrative Processes, 2009-2010.
Board of Directors, LSU Cardiovascular Center of Excellence, 2014-

Health Sciences Center

Member, LSU Medical Center Library Advisory Committee, 1994-1996
Chairman, LSU Medical Center Library Advisory Committee, 1997- present
Member, LSU Medical Center work group for the Integrated Advanced Information Management System Grant, 1994-1996
Chairman, Search Committee for Director of LSU Medical Center Library, 1998
Cardiopulmonary Science Program Advisory Committee, 1994-present
Member, LSU Medical Center Cardiovascular Center Steering Committee, 1997-

Judge, Chancellor's Award Competition, 1999
Member, LSU Graduate Advisory Council, 1999-2006
Member, LSU Graduate Advisory Council, Curriculum subcommittee, 1999-2008
Chairman, LSU Graduate Advisory Council, Postdoctoral Studies subcommittee, 1999-2006
Chairman, Search Committee for Associate Director LSUHSC Library, 2006
Chairman, Search Committee for Head, Department of Cardiopulmonary Science, 2006
Chairman, Search Committee for Director LSUHSC Library, 2010

Elected positions

Alternate Member, LSU Medical School Faculty Assembly, 1994-1995, 1998-2000
Member, LSU Medical School Faculty Assembly, 2000-2007
Member, LSU Health Science Center Faculty Senate, 2000- 2005
Interim President, LSU Health Sciences Center-New Orleans Faculty Senate, 2001
President, LSU Health Sciences Center-New Orleans Faculty Senate, 2001-2002
President, LSU Medical School Faculty Assembly, 2004-2005

National

Delegate, United States Pharmacopeial Convention 2008-

LSU TEACHING RESPONSIBILITIES (2009-2010):

Dental Pharmacology
Lectures in: Local anesthetics
Autonomic Pharmacology

Medical Pharmacology
Lectures in: Antiarrhythmic agents
Local anesthetic agents
Cardiac Glycosides
Diabetes Drugs

Dental Hygiene Pharmacology
Lectures in: Local anesthetic agents
Autonomic Pharmacology

Advanced Nursing
Lectures in: Autonomics
Congestive Heart Failure
Antiarrhythmics

CARE Nursing
(course director)
Lectures in: Antiarrhythmic agents

Cardiac Glycosides
Autonomic Drugs
Diabetes Drugs

Undergraduate Nursing (fall and spring)
Lectures in: Antiarrhythmic agents
Cardiac Glycosides
Autonomic Drugs

STUDENTS AND FELLOWS TRAINED:

Undergraduate Students
Wendy Reed, Kalamazoo College Career Development Internship, 1992
Sean Mullendore, Kalamazoo College, Senior Individualized Project, 1993
Sarah Hletko, Kalamazoo College, Senior Individualized Project, 1996
Nichole Hein, Kalamazoo College, Senior Individualized Project, 2000
Lisa Badon, Loyola University, New Orleans, Senior Honors Project, 2000

Medical Students
Peggy O'Cain, M.D. Medical Honors Thesis, 1998
Karl Bischoff, Medical Honors program
Harold Bayonne, LSU Medical School Summer Internship, 2001
Brian A. Ogden, LSU Medical School Summer Internship, 2002
Melissa Raspberry, LSU Medical School Summer Internship, 2006
John "Kris" Lindsay, LSU Medical School research project, 2006-
David Mull, LSU Medical School research project, 2007-
Clinton Hebert, LSU Medical School research project 2010
Christopher McKinney, LSU Medical School research project 2015

Graduate Students
Wen Liu, Ph.D., 1997
Ivanita Steffanon, Ph.D. UFES, Vitoria, Brazil, 1998
Alissa Hicks, Ph.D., 2004
Kevin Lord, Ph.D. 2008
Sylvia Shenouda, Ph.D. 2008
Sarah Mahne, Ph.D. 2012
Venkat Subramaniam, MS 2013
Brendan Burn, Ph.D. 2015

Postdoctoral Fellows
T. Patrick Abrahams, Ph.D., 1992-1997.
Thomas Mulhern, M.D., 1998
Girija Raman, Ph.D., 2009-2011
Gin Chuang, Ph.D., 2012-
Sarah Mahne, Ph.D., 2012
M. Kyle Hughes, MD, 2015

Resident Fellows
Jason Turner, MD, 2011-
Dhiraj Singh, MD, 2012-

Sabbaticals
Dalton Vassallo, Professor, Department of Physiological Sciences, Federal University of Espirito Santo, Brazil, 9-1-93 to 6-1-94
Antonio Cabral, Associate Professor, Department of Physiological Sciences, Federal University of Espirito Santo, Brazil, 8-94 to 8-95.

GRADUATE STUDENT COMMITTEE SERVICE:

Kirk Elliott, Committee for M.S., 1993
Wei Yuan, Committee for Ph.D., 1994
Renee, Bergeron, Committee for Ph.D., 1995
Zhihong Zhang, Committee for Ph.D., 1996
Sena Sezen, Committee for Ph.D., 1997.
Emine Gunhan-Agar, LSUMC Neuroscience Center, Committee for M.S., 1996
Michelle Dixon, Committee for M.S, 1998
Shuxin Zhang, Committee for Ph.D., 2002
Marcus Delate, Committee for Ph.D., 2004
Helmut Gottleib, Committee for Ph.D., 2004
Maria Quinton, Committee for Ph.D., 2004
Xaioging, Cao, Committee for Ph.D., 2005
John Liles, Department of Pharmacology, Tulane University, Committee for Ph.D., 2005
Melissa Burmeister, Committee for Ph.D., 2006
Warren "Jay" Huber, Committee for Ph.D., 2008
Sharell, Bindom, Committee for Ph.D. 2009
Kiesa Mathis, Department of Physiology, Committee for Ph.D. 2009
Bahar Fahmy, Committee of Ph.D. 2009
Kirk Hutchenson, Committee Chair for Ph.D.
Russell Amato, Committee for Ph.D.
Kavaljit Chhabra, Committee for Ph.D.
Manish Rana, Committee for Ph.D.
Jessica Bradley, Department of Physiology, Committee for Ph.D.
Felix Nau, Committee for Ph.D. 2015
Myles, Ketchum, Committee for Ph.D., 2015

RESEARCH:

Research interests involve determining the mechanisms by which oxidative stress produces cardiac dysfunction. There are currently 2 major areas of research interest in my laboratory. 1) Our major project involves the examination and characterization of the cardiac, cardiovascular, cardiovascular reflex and sympathetic nerve responses elicited by the acute and chronic administration of sympathomimetic stimulants. Biochemical, molecular biological and proteomic approaches are being used to identify the

mechanisms underlying stimulant induced cardiac dysfunction. 2) We are also studying the effects of aerosolized air pollutants (ultra fine particles) on cardiac and cardiovascular function. These studies are addressing the hypothesis that these particles produce cardiac toxicity by the combined actions of lung-derived systemic inflammation and localized oxidant and inflammatory actions at the level of the heart. In addition, I am the director of the Cardiovascular Function Core Facility in the Department of Pharmacology at LSUHSC.

PROFESSIONAL ORGANIZATIONS AND OFFICES:

Southeastern Pharmacology Society, 1991-present
American Heart Association, Council for High Blood Pressure Research, 1992-present
American Society for Pharmacology and Experimental Therapeutics, 1995-present
International Society for Autonomic Neuroscience, 1995-present
College on Problems of Drug Dependence, 2004-2008
Society for Toxicology
South Central Chapter, Society for Toxicology
American Heart Association

SPECIAL HONORS AND AWARDS:

Institutional Research Fellowship, 1988-1989, Cardiovascular Center, University of Iowa, Iowa City, IA
National Research Service Award, 1990-1991, NINCDS, 1 F32 NS08674
Program Co-chairman for "Neural Control of the Circulation II: Central Control," at the Federation of American Societies of Experimental Biology held in Atlanta, GA, April 1991
Finalist, LSU Medical School Aesculapian Society Award for Medical Student Teaching, 1993.
Fellow, American Heart Association 2002-present
Program Co-Chairman for "Sleeping Butyrate: True tales of GHB" at the College on Problems of Drug Dependence Meeting held in Bal Harbor, FL, June 2003.
Plenary talk, European Society of Toxicology meeting, Edinburgh, Scotland, September, 2014

EDITORIAL ACTIVITIES

Editorial Boards:

Cardiovascular Toxicology, 2012-

Reviewer:

American Journal of Physiology: Regulatory, Integrative and Comparative Physiology.
American Journal of Physiology: Heart and Circulatory Physiology
Journal of Pharmacology and Experimental Therapeutics
Neuroscience
Addiction Research
Drug and Alcohol Dependence
Life Sciences

Journal of Neuroscience
Circulation
Journal of Neurochemistry
Autonomic Neuroscience
Naunyn-Schiedeberg's Archives of Pharmacology
Clinical Pharmacology
NMR in Biomedicine
Cardiovascular Toxicology
Cardiovascular Research
British Journal of Pharmacology

Study Sections: American Heart Association, Louisiana Affiliate Research Peer Review Committee, 1997
Ad hoc reviewer for National Institute on Drug Abuse Special Review Committee, 1998
Ad hoc reviewer for National Institute on Drug Abuse Special Review Committee, 2001
American Heart Association, Southeastern Affiliate Research Peer Review Committee, 2002-2004
Co-Chair, American Heart Association, Southeastern Affiliate Research Peer Review Committee, 2004-2006
Chair, American Heart Association, Southeastern Affiliate Research Peer Review Committee, 2007-2008
Ad hoc reviewer for National Institute on Drug Abuse, ACE study section, 2004

CURRENT GRANT AWARDS:

NIH/NIEHS
P42 ES013648-03 Dellinger (PI) (8/01/11 to 7/31/16)
Health Impacts of toxic combustion by-products.
Project 4: P*ersistent* free radicals increase cardiac vulnerability to Ischemia. Varner (PI)
The goal of project 6 is to characterize the cardiac and cardiovascular effects produced by exposure to combustion generated ultrafine particulates in rats having COPD or subjected to cardiac ischemia reperfusion. Since combustion generated ultrafine particulates contain stable free radicals, this project will examine the role oxidative stress plays in the cardiac response to particle exposure.
Role: PI of Project 4

NIH/NCRR
P20 RR018766 Kapusta (PI) (07/1/014 to 5/31/19)
Mentoring in Cardiovascular Biology
The goals of this project are to mentor junior faculty in cardiovascular biology and to aid in the development of core facilities ultimately leading to the development of a cardiovascular center.
Role: Director of in vivo cardiovascular function core facility and faculty mentor.

NIH T32AA007577-11 (PI: G. Bagby) 0/01/09 to 8/31/14
"Biomedical Alcohol Research Training Program"

NIH/NINDS
DP1DA033502
Kosten (PI) (03/01/15 to 05/31/15)
Human Methamphetamine vaccine: translational avante garde award
We have a subcontract of this grant to study the cardiovascular responses elicited by methamphetamine in rats that have been passively immunized with an antibody targeted to methamphetamine. There is no overlap with the current application.
Role: Subcontract PI

LSUHSC-LSU Collaborative Grant (8/1/15 to 7/31/16
Cardio-pulmonary responses in mice following inhalation exposure to environmentally persistent free radicals
Role: Co-PI

PENDING AWARDS:

NIH 00000000 (PI: T Dugas) 4/01/15 – 3/31/19 1 calendar
Novel model of female-specific pulmonary hypertension
Role: co-PI

PAST GRANT AWARDS:

LSU Alcohol and Drug Abuse Center of Excellence Varner (PI) (12/12/13 to 12/11/14) 1.2 cal
LSU School of Medicine
"The abuse liability of bath salts: an examination of the behavioral and cardiovascular effects of mephedrone".
Role: PI

NIH P42ES013648 (PI: B. Dellinger) 7/01/09 to 6/30/11 3 calendar
"Health Impacts of toxic combustion by-products"
Project 6: "Combustion Generated fine particles: cardiovascular and cardiac effects."
PI: K. J. Varner

Research Enhancement Fund, LSUHSC School of Medicine (PI: Varner) 07/01/09 to 6/30/10
Pilot Grant
Persistent radical-containing PM0.1: mechanism of cardiac toxicity.

AHA - Louisiana Affiliate, (PI: K. Varner) 7-1-92 to 6-30-93
"Sympathetic Nervous System Involvement in the Cardiovascular Responses to Cocaine."

NIH-BRSG, SO-RR-5376 (PI: K. Varner) 12-1-92 to 8-30-93.
"Forebrain Involvement in Tonic Sympathetic Function."

LEQSF (1993-96)-RD-A-14, (PI: K. Varner) 7-1-93 to 6-30-96
"Cocaine Abuse: Sympathetic and Cardiovascular Consequences."

NIH R01 DA08255-07 (PI: K. Varner) 2-15-94 to 7-31-02
"Cocaine Abuse: Sympathetic and Cardiovascular Consequences."

LEQSF (co PIs: K. Varner and K. McDonough) 7-1-99 to 6-31-03
"Graduate training in Cardiovascular Disease and Stroke."

LSUHSC ARC Pilot Grant. (co PI: K. Varner and K. McDonough) 3-01-02 to 10-31-03
" Effects of HIV-1 Tat expression on cardiovascular function: role of drugs of abuse."

LEQSF – equipment grant (PI: K. Varner) 7-1-03 to 6-31-04.
"Proposal to establish an ultrasound imaging core facility."

NIH F31 DA018035 (PI: A. Hicks, Sponsor: K. Varner) 2-13-04 to 2-12-06
"GHB: sympathomimetic actions of a CNS depressant."

AHA 0355155B (PI: K. Varner) 7-1-03 to 6-31-05,
"Cardiovascular responses and toxicity elicited by gamma-hydroxybutyrate."

AHA 0655769B (PI: K. Varner) 7-01-06 to 6-30-08
"New insights into mechanisms mediating methamphetamine-induced cardiac dysfunction"

AHA Predoctoral Fellowship (PI: S. Shenouda, Sponsor: K. Varner) 7-01-06 to 6-30-08
"Role of oxidative stress in left ventricular dysfunction produced by ecstasy"

NIH R01 HL63318 (PI: P. Lucchesi) 7-1-03 to 6-30-07
"Reactive oxygen species and heart failure."

INVITED LECTURES:

Department of Physiology, Louisiana State University Medical Center, "Role of the rostral ventrolateral medulla in the control of autonomic cardiovascular function in conscious normotensive and hypertensive rats." 11-25-91

Department of Physiology, Tulane University, "Sympathetic Nervous System Involvement in the cardiovascular responses to cocaine." 11-30-92

Louisiana State University Neuroscience Center of Excellence, "Sympathetic nervous system involvement in the cardiovascular responses to cocaine." 5-20-93.

Department of Physiology, Louisiana State University Medical Center, "Central nervous system control of cardiovascular function." 11-28-94.

Department of Physiological Sciences, Federal University of Espirito Santo, E.S., Brazil, "Effects of cocaine on sympathetic nerve activity and cardiovascular function." 4-3-95.

Department of Physiological Sciences, Federal University of Espirito Santo, E.S., Brazil, "Control of arterial pressure by brain stem nuclei in normotensive and hypertensive states." 4-5-95.

Department of Pharmacology, University of Iowa, Iowa City, IA, "The effects of cocaine on sympathetic nerve activity and cardiovascular function.", 6-26-95.
Department of Physiology, Louisiana State University Medical Center, "Amphetamine analogs: Agony or Ecstasy?", 12-15-97.
Department of Physiological Sciences, Federal University of Espirito Santo, E.S., Brazil, "Cardiovascular and cardiac responses elicited by amphetamine-like stimulants.", 4-6-98.
Department of Pharmacology, Louisiana State University Health Sciences Center-Shreveport," MDMA: agony or ecstasy?", 2-5-01.
Department of Epidemiology, Tulane University School of Public Health, "MDMA: agony or ecstasy?", 3-21-01.
Department of Pharmacology, Department of Pharmacology, Tulane University School of Medicine "MDMA: agony or ecstasy?", 5-21-01.
Department of Pathology and Laboratory Medicine, Tulane University School of Medicine, "Ecstasy: Physiological and pathological responses." 11/30/01.
Data Sciences International, Southern Telemetry users group, Baylor College of Medicine, "Cardiovascular responses elicited by chronic amphetamine", 5/2003.
Data Sciences International, Southeast Telemetry Users Group, Medical College of Georgia, "GHB: the sleeping stimulant", 3/2004.
Department of Pathology, LSUHSC, "After the party: the cardiovascular and cardiac actions of Ecstasy." 7/14/10
Department of Physiology, LSUHSC, "Mechanisms of ecstasy and methamphetamine-induced cardiac toxicity". 10-7-10
Department of Pharmacology, Tulane University School of Medicine, "After the party: the cardiovascular and cardiac actions of Ecstasy." 10-22-10
Department of Pharmacology, Tulane University School of Medicine, ""Cardiac toxicity of environmentally persistent free radicals: just when you thought it was safe to breathe.
NIEHS Annual Superfund Meeting. "Cardiovascular effects of Environmentally Persistent Free Radicals (EPFRs). Baton Rouge, LA October 2013.

SYMPOSIA AND MEETINGS ORGANIZED

Member, Southeastern Pharmacology Society, Planning Committee for annual scientific meeting, New Orleans, LA, 1991.
Principal organizer, Symposium Honoring American and Brazilian Collaboration in Neuroscience Research, held at LSUHSC on October 25, 1997 in conjunction with the annual Society of Neuroscience Meeting in New Orleans.
Organizing Committee and Host, Third National Directors of Pharmacology Graduate Programs, held at LSUHSC and Tulane University, April 22-24, 2009.

CONTINUING EDUCATION

Given:

Alexandria Pineville Alcohol and Drug Abuse Clinic, Pineville, LA "Update on Dependence Producing Drugs", October 14, 1998.

Fairview Outpatient Drug Treatment Court Clinic, Bayou Vista, LA " Update on

Dependence Producing Drugs", February 26, 1999.

PUBLICATIONS:

1. Piercey, M.F., Varner, K. and Schroeder, L.A. Analgesic activity of intraspinally administered dynorphin and ethylketocyclazocine. Eur. J. Pharm. 80: 283, 1982.

2. Varner, K.J., Gebber, G.L., Barman, S.M. and Huang, Z.-S. The medial thalamus as a potential generator of sympathetic tone. In: Organization of the Autonomic Nervous System: Central and Peripheral Mechanisms, ed. by C. Polosa, F.R. Calaresu and J. Ciriello. New York: A.R. Liss, 1986, pp. 203-212.

3. Huang, Z.-S., Gebber, G.L., Barman, S.M. and Varner, K.J. Forebrain contribution to sympathetic nerve discharge in anesthetized cats. Am. J. Physiol. 252: (Regulatory Integrative Comp. Physiol. 21): R645-R652, 1987.

4. Huang, Z.-S., Varner, K.J., Barman, S.M. and Gebber, G.L. Diencephalic regions contributing to sympathetic nerve discharge in anesthetized cats. Am. J. Physiol. 254 (Regulatory Integrative Comp. Physiol. 23): R249-R256, 1988.

5. Varner, K.J., Barman, S.M. and Gebber, G.L. Cat diencephalic neurons with sympathetic nerve-related activity. Am. J. Physiol. 254 (Regulatory Integrative Comp. Physiol. 23): R257-R267, 1988.

6. Barres, C.P., Lewis, S.J., Grosskreutz, C.L., Varner, K.J., and Brody, M.J. Role of renal nerves in experimental hypertension: Evaluation of neurogenic mechanisms. Clin. Exp. Hyper., A11: 117-124, 1989.

7. Varner, K.J., Grosskreutz, C.L., Cox, B.F. and Brody, M.J. Differential regulation of sympathetic nerve activity by lateral and medial subregions of the rostral ventral medulla. Prog. Brain Res., 81:99-103, 1989.

8. Varner, K.J., Vasquez, E.C., Lewis, S.J., Machado, B.H., Grosskreutz, C.L., Simon, J.S. and Brody, M.J. Regulation of autonomic cardiovascular function by the rostral ventromedial medulla (RVMM). In: Central Neural Mechanisms in Blood Pressure Regulation (G. Kunos and J. Ciriello, eds.), Birkauser Boston Inc., 1990, p. 29-36.

9. Varner, K.J., Rutherford, D.S., Vasquez, E.C. and Brody, M.J. Identification of cardiovascular neurons in the rostral ventromedial medulla in rats. Hypertension, 19(2) (suppl. II): II-193-II-197, 1991.

10. Vasquez, E.C., Lewis, S.J., Varner, K.J. and Brody, M.J. Chronic lesion of rostral ventrolateral medulla in spontaneously hypertensive rats. Hypertension, 19(2) (suppl. II): II-154-II-158, 1991.

11. Brody, M.J., Varner, K.J., Lewis, S.J. and Vasquez, E.C. The central nervous system and the pathogenesis of hypertension: sites and mechanisms. Hypertension, 18(5) (suppl. III): III-7-III-

12, 1991.

12. Varner, K.J., Vasquez, E.C., Lewis, S.J. and Brody, M.J. Lesions of rostral ventromedial or ventrolateral medulla prevents neurogenic hypertension. Hypertension, 24:91-96, 1994.

13. Abrahams, T.P., Cuntapay, M.C. and Varner, K.J. Sympathetic nerve responses elicited by cocaine in anesthetized and conscious rats. Physiol. Behav. 58:109-115, 1995.

14. Songu-Mize, E., Vassallo, D.V., Rashed, S.M. and Varner, K. Ouabain amplifies contractile responses to phenylephrine in rat tail arteries in hypertension. J. Basic Clin. Physiol. and Pharm., 6:309-319, 1995.

15. Abrahams, T.P., Faust, M.L. and Varner, K.J. Depletion of monoamines blocks the sympathoinhibitory response to cocaine. J. Auto. Nerv. Sys. 58:170-176, 1996.

16. Abrahams, T.P., Liu, W. and Varner, K.J. Blockade of α_2-adrenergic receptors in the rostral ventrolateral medulla attenuates the sympathoinhibitory response to cocaine. J. Pharm. Exp. Ther., 279:1-8, 1996.

17. Cabral, A.-M., Varner, K.J. and Kapusta, D.K. Renal excretory responses produced by central administration of opioid agonists in ketamine and xylazine-anesthetized rats. J. Pharm. Exp. Ther. 282:609-616, 1997.

18. Liu, W. and Varner, K.J. Characterization of the sympathetic nerve responses to amphetamine: role of central α_2-adrenergic receptors. J. Cardiovasc. Pharm. 28:712-722, 1996.

19. Petersen, J.S., Liu, W., Kapusta, D.R. and Varner, K.J. Metformin inhibits ganglionic neurotransmission in renal nerves. Hypertension 29:1173-1177,1997.

20. Abrahams, T.P. and Varner, K.J. Effects of cocaine on adrenal sympathetic nerve discharge in anesthetized rats. Physiol. Behav. 63(4):629-634, 1998.

21. Cabral, A.-M., Kapusta, D.K. and Varner, K.J. Central alpha-2 mechanisms contribute to the enhanced renal responses during ketamine/ xylazine anesthesia. Am. J. Physiol, 275:R1867-R1874, 1998.

22. Rossoni, L.V., Amaral, S.M.C., Vassallo, P.F., Franca A, Oviveria, E.M., Varner, K.J., Mill, J.G. and Vassallo, D.V. Effects of mercury on the arterial blood pressure of anesthetized rats. Br. J. Med. Biol. Res. Br. J Med Biol. Res. 32: 989-997, 1999.

23. O'Cain, P.A., Hletko, S., Ogden B.A. and Varner, K.J. Cardiovascular and sympathetic responses and reflex changes elicited by MDMA. J. Physiol. Behav, 70: 141-148, 2000.

24. Varner, K.J., Hein, N., Ogden, B.A., Arsenault, J.R., Carter, K.M. and Soine, W.H. Chloroephedrine: contaminant of methamphetamine synthesis with cardiovascular activity. Drug Alcohol Depend. 64:299-307, 2001.

25. Varner, K.J., Ogden, B.A., Delcarpio, J.B. and Meleg-Smith, S. Cardiovascular responses elicited by the “binge” administration of methamphetamine. J. Pharmacol. Exp Ther., 301:152-159, 2002.

26. Badon, L.A., Hicks, A., Ogden, B.A., Meleg-Smith, S. and Varner, K.J.: Changes in cardiovascular responsiveness and cardiotoxicity elicited during "binge" administration of “ecstasy”. J. Pharmacol. Exp. Ther. 302:1-10, 2002.

27. Hicks, A.R., Ogden, B.A. and Varner, K.J. Cardiovascular responses elicited during the binge administration of cocaine. J. Physiol. Behav. 80:115-122, 2003.

28. Hicks, A.R., Kaupsta, D.R. and Varner, K.J. Mechanisms underlying the sympathomimetic cardiovascular responses elicited by γ-hydroxybutyrate. J. Cardiovasc. Pharm. 44:631-638, 2004.

29. Gerak, L.R., Hicks, A.R., Winasuer, P.J. and Varner, K.J. Rate-decreasing effects of and cardiovascular responses elicited by 1.4-butanediol administered alone in combination with ethanol. Eur. J. Pharmacol. 506:75-82, 2004.

30. Gottlieb, H.B., Varner, K.J., Kenigs,V.A., Cabral, A.M. and Kapusta, D.R. Differential cardiovascular and renal responses produced by microinjection of the {kappa}-opioid U- 50488H [(trans-3,4-dichloro-N- methyl-N-[2-(1-pyrrolidinyl)cyclohexyl]-benzene-acetamide) methane sulfonate] into subregions of the paraventricular nucleus. J. Pharmacol. Exp. Ther. 312:678-685, 2005.

31. Liles, J.T., Dabisch, P.A., Hude, K.E., Pradhan, L., Varner, K.J., Porter, J.R., Hicks, A.R., Corrll, C., Baber, S.R. and Kadowitz, P.J. Pressor responses to ephedrine are mediated by a direct mechanism in the rat. J. Pharmacol. Exp. Ther. 316:95-105, 2006.

32. Hicks, A.R. and Varner, K.J. Cardiovascular responses elicited by intragastric administration of BDL and GHB. J. Receptor Sig. Trans. 28:429-436, 2008. PMC2860846

33. Shenouda S.K., Lord, K.C., McIlwain, E., Lucchesi, P.A. and Varner, K.J. Ecstasy produces left ventricular dysfunction and oxidative stress in rats. Cardiovasc. Res. 79:662-70, 2008. PMC2732062

34. Blumer, J.B., Lord, K., Saunders, T.L., Pacchioni, A., Black, C., Lazartigues, E., Varner, K.J., Gettys, T. W. and Lanier, S.M. Activator of G-protein signaling 3 null mice: I. unexpected alterations in metabolic and cardiovascular function. Endocrinology 149: 3842-3849, 2008. PMC2488243

35. Shenouda, S.K. Varner, K.J., Carvalho, F. and Lucchesi, P.A. Metabolites of MDMA induce oxidative stress and contractile dysfunction in adult rat left ventricular myocytes. Cardiovasc. Tox. 9(1): 30-38, 2009. PMC2859611.

36. Lord, K.C., Shenouda, S.K., McIlwain, E., Charalampidis, D., Lucchesi, P.A. and Varner, K.J. Oxidative stress contributes to methamphetamine-induced left ventricular dysfunction. Cardiovasc. Res. 87(1):111-118, 2010. PCM2883898.

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REVIEWS:

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ABSTRACTS:

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CIVIC AND COMMUNITY PARTICIPATION:

American Heart Association-Louisiana Affiliate, Community Advocacy Group
Contributed to WWL Channel 4 news report on dangers of Ecstasy
Contributed to Times Picayeune news report on dangers of drugs used at "Rave" dance parties.