

CURRICULUM VITAE

- NAME:** Marie-Françoise Joelle Doursout, Ph.D.
- PRESENT TITLE:** Professor (Tenured)
Department of Anesthesiology
- WORK ADDRESS:** McGovern Medical School at UTHealth (formerly The University of Texas Medical School at Houston)
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Email: Marie-Francoise.Doursout@uth.tmc.edu
- CITIZENSHIP:** French; Permanent U. S. Resident
- UNDERGRADUATE EDUCATION:**
- 1978 B.S. in Biology
Ecole Superieure des Techniques de Biologie Appliquees
Paris, France
- GRADUATE EDUCATION:**
- 1986 Ph.D. in Pharmacology (with Honors)
Ecole Pratique des Hautes Etudes
Paris, France
- ADDITIONAL TRAINING:**
- 1985 Microsurgery Training at Baylor College of Medicine (one semester)
- 2007 NASA Space Radiation Summer School (May 31-June 22)
- ACADEMIC APPOINTMENTS:**
- 1987 – 1988 Research Instructor, Cardiovascular Anesthesia
Research Laboratory, Department of Anesthesiology
Baylor College of Medicine, Houston, Texas
- 1988 – 1989 Assistant Professor, Director, Cardiovascular Anesthesia

Research Laboratory, Department of Anesthesiology
Baylor College of Medicine, Houston, Texas

- 1989 – 1997 Assistant Professor, Department of Anesthesiology
McGovern Medical School at UTHealth (formerly The University
of Texas Medical School at Houston)
Houston, Texas
- 1997 – Present Associate Professor, Department of Anesthesiology
McGovern Medical School at UTHealth (formerly The University
of Texas Medical School at Houston)
Houston, Texas
- 2007– Present Adjunct Faculty Member at UT-Houston Graduate School of
Biomedical Sciences.
- 2011– 2017 Vice Chair of Research

SOCIETY MEMBERSHIPS:

- American Society of Anesthesiology
- Texas Society of Anesthesiologists
- American Heart Association: Circulation Research
- Critical Care Medicine

REVIEWER FOR SCIENTIFIC JOURNALS (Per-Review):

- Journal of Pharmacology and Experimental Therapeutics
- Journal of Cardiovascular Pharmacology
- American Journal of Physiology
- Perfusion Journal
- Biochemical Pharmacology Journal
- Journal of Critical Care
- Anesthesiology
- Vascular Health and Risk Management

Physiological Genomics

Journal of Cytoprotection and Damage Control

International Immunopharmacology

Anesthesiology Research and Practice

EDITOR BOARD MEMBER:

International Journal of Clinical Anesthesiology

GRANT REVIEWER:

American Heart Association, Texas Affiliate

NIH Study Section: National Heart, Lung and Blood Institute

CONSULTANT:

1993 – 1996

NASA/Krug Life Sciences: Physiological Research Laboratories Group. Responsibilities include cardiovascular monitoring test on subjects undergoing microgravity.

HONORS AND AWARDS:

- Ph.D. with honors
- Award for grant application: Women's Fund for HER
- Outstanding Support of the Summer Research Program – award 2009
- Best presented abstract: American Heart meeting in Washington DC.; 2009
- Best presented abstract: FASEB meeting in Boston, 2013.
- Best presentation: The 23rd International Congress on Nutrition and Integrative Medicine (ICNIM) Sapporo Japan, July 2015.

DEPARTMENT OF ANESTHESIOLOGY COMMITTEES

2009 – Present

Chair, Internal Research Committee

2009 – Present

Recruitment Committee

2009 –Present

Internal Promotion Committee

THE MCGOVERN MEDICAL SCHOOL AT UTHEALTH:

1994 – Present	Association for Women Faculty (Career/Development Committee; Communications/Membership Committee).
1995 – 1998	Faculty Senate
1996 – 2016	Animal Welfare Committee
2001 – Present	Committee for Mentoring Summer Medical Students
2004 – Present	Institutional Anatomical Oversight Review Committee (IAORC) Departmental Director
2005 – 2006	Faculty Development Leave Committee
2005 – Present	Medical Student Interview Committee
2006 – 2007	Committee on Committees
2006 – 2012	Faculty Senate
2007 – Present	Advisory Committee for Junior Faculty
2007 – Present	Advisory Committee GSBS Student
2008 – Present	The University of Texas Medical School Research Committee
2009 – Present	Committee for Undergraduate Summer Research Program
2011 – Present	FAPTC: Faculty Appointment Promotion and Tenure Committee
2011 – Present	Interfaculty Council Chair: “Faculty Status, Rights, and Responsibilities”
2013 - Present	Diversity Committee-Medical School
2016 - Present	CPHS committee (Protection Human Subjects)

MCGOVERN MEDICAL SCHOOL AT UTHEALTH PROFESSIONAL ACTIVITIES:

2002 – Present	Judge for Medical and Graduate Students’ Research Posters
2007 – Present	Faculty Mentor for Pre-Med Students
2008 – 2009	Faculty Mentor for Grants 101 (Davide Cattano MD)

COMMUNITY SERVICE:

- Red Cross
- Habitat for Humanity
- I-SWEEP (International Sustainable World (Energy, Engineering, Environment-Project Olympiad-Invited Judge
- Invited Judge: Annual American Medical Association (AMA) MSS/RFS Joint Research Symposium (Houston, 2009).
- Herman Park Museum – Quality of Life Committee
- Volunteer at “Petites Soeurs des Pauvres” in Bordeaux France

CURRENT TEACHING RESPONSIBILITIES / MENTORING ACTIVITIES

1) **Teaching:** Problem Based Learning (PBL) – MS1 and MS2 students

2) **Mentoring Activities**

MS1 and Undergrad Students:

Sutton A; Hurlburt B; Asher Philip; Keith Henning; Michael Perez; Vandelaar Laura ; Segal Graham, Ahn Stephanie; Sundar Devakottai; Horton Ally; Paul Graham; Brandon Fields; Linh Hoang, Dennis Do; Annie Xu

Residents and Fellows:

Suignard L; Robinson RR; Jacobson L; Florence B; Weavind LM, Payne JaNae; Ostermann G; Rogers K; Tsoa C-C; Hysing E; Dang-Trang L; Huang KW; Dlewati A. Hill DC; Wouters PF; Kashimoto S; Bernard J-M, Lechevalier T; Berry JM; Minkowitz H, Oguchi T; Davidson E, Szmuk P; Nates JL; Joseph PM; Bhuiyan MBA; Pousman RA; Furuya A; Fernanda Salomao Costa M.D.

International Students:

Shin Akiyama (Japan)
Naoko Saito (Japan)
Ling Gong (China).

Master Students:

Ronald Ross Robinson: Simulated weightlessness and venous air embolism: effects on the cardiovascular and pulmonary systems.

Ph.D. Students:

Hanjing Wu: Thesis’s title: Autoimmune responses to atherosclerotic lipids: a study in murine models of atherosclerosis and obesity.

Nadeeka Rukshani Dias: Eye-tracking measures of attentional bias in cocaine dependent subjects

Vivik Mann: Tissue and molecular impact of modeled microgravity (Rotary Cell Culture System, Random Positioning Machine) on bone remodeling and analysis of tissue engineering on bone tissue: Relationship of fluid movement in modeled microgravity on ARPE and bone cells.

Loretta Olamigoke: Multifactorial effects of biological response modifiers and anti-neoplastic induced immune cell activation and triple negative breast cancer cell inhibition.

Elvedina Mansoor: Synergistic effects of prebiotics and antineoplastic drug induced immune cell activation and lymphoma inhibition in modeled microgravity.

JAMP Summer Program:

Hasan Yaqub (Texas A &M); Christine Nguyen (Prairie View A&M); Michael Bitzer (Texas State); Natalie Rodriguez (University of Houston).

AWARDED GRANTS:

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|-------------|--|
| 1990 – 1991 | Principal Investigator
Biomedical Research Support Grant:
<u>Title:</u> Hypobaric Decompression Sickness and Cardiovascular Deconditioning
Allocated Amount: \$8,000 (1 year) |
| 1993 – 1995 | Principal Investigator
American Heart Association
<u>Title:</u> Cardiovascular Consequences of nitric Oxide Synthesis Inhibition in Endotoxin-Induced Septic Shock in Conscious Dogs
Allocated Amount: \$83,460 (2 years) |
| 1994 – 1995 | Principal Investigator
Women's Fund for HER
<u>Title:</u> Role of nitric Oxide in the Protective Mechanism of Estrogen-Treated Spontaneously Hypertensive Rats
Allocated Amount: \$13,200 (1 year) |
| 1996 – 1998 | Principal Investigator
Servier Pharmaceutical
<u>Title:</u> Effect of 17- β Estradiol on Cardiac Function in Ovariectomized Conscious Dogs
Allocated Amount: \$173,281 (2 years) |
| 1999 – 2000 | Principal Investigator
French Minister of Education
Awarded funds toward Nitric Oxide Research
Allocated Amount: \$2,000 |

- 1999 – 2001 Principal Investigator
Iderne Pharmaceutical
Title: Role of Nitric Oxide in Long-Term Hemodynamic Changes Induced by Wine Polyphenol Compounds in Conscious Dogs
- 2000 – 2001 Co-Investigator
NASA Johnson Space Center
Title: Gas Phase Formation, Growth, and Resolution by Means of *In Vivo* Imaging and Effects of Surface Tension in Decompression Gas Bubble Growth During EVA and High Altitude Mission Activities.
Allocated Amount: \$50,000 (1 year)
- 2000 – 2007 Principal Investigator 25%
NIH R01.
Title: Lung Function in Prolonged Heart Failure
Allocated Amount: \$994,473
- 2000 – 2007 Collaborator
Principal Investigator: Craig Hartley, Ph.D.
NIH PO1.
Title: Ultrasonic Instrumentation for Cardiovascular Studies
Allocated Amount: Doppler probes estimated \$20,000 (5 years)
- 2002 – 2006 Co-Investigator
Principal Investigator: Ferid Murad, M.D., Ph.D.
NSBRI
Title: A Soluble Guanylyl Cyclase Mouse Knock-Out Model
Approximate Allocated Amount \$62,500 Including Fringe Benefits (Doursout @3% for 2 years, Brice Chelly at 100% for 1 year and Doursout @20% for last year extension)
- 2006 – 2009 Principal Investigator 15%
Sintetica Pharmaceuticals
Title: A Comparative in Vivo Study of Local Neurotoxicity of 2-Chloroprocaine, Lidocaine and Bupivacaine in Rats
Allocated Amount: \$116,562
- 2006 – 2008 Co-Investigator
Principal Investigator: Jodie Conyers, Ph.D.
Title: Texas Training and Technology against Trauma and Terrorism
Allocated Amount: \$45,000 Including Fringe Benefits (Yang-Yang Liang's salary @80%)
- 2009 – 2011 Principal Investigator
TATRC (ARMY)

- Title: Role of the Microenvironment on Cardiovascular Function in Rats Exposed to Ionizing Radiation.
Allocated Amount: \$200,000
- 2009 – 2011 Co-Investigator
Principal Investigator: Emil Martin, Ph.D.
American Heart Texas Affiliate
Title: Cardiovascular Outcomes of the Corrin-Mediated Activation of Soluble Guanylyl-Cyclase
Proposed Budget: \$150,000 for 2 years
Allocated Amount: \$28,000 for 2 years including fringe benefits (Yangyan Liang’s salary @25%).
- 2009 Principal Investigator
McGovern Medical School at UTHealth (formerly The University of Texas Health Science Center at Houston’s Grants 102 Program Mentoring Award
\$1,000 for 1 year
- 2012 – 2014 Co-Investigator
Emil Martin (PI)
AHA Grant-In-Aid
Title: Gemfibrozil as regulator of NO receptor activity and function
Allocated Amount: \$20,000
- 2012 – 2015 Principal Investigator
Amino Up (Japan)
Title: Effects of AHCC in Animals Models of Hypertension and Inflammation- Induced Oxidative Stress.
Allocated Amount: \$32,000
- 2014 – 2015 Principal Investigator
NuVue Therapeutics - NASA sub-contract
Title: Effects of Microcapsule Markers in an Animal Model of Breast Cancer.
Allocated Amount: \$171,400
- 2015 – 2017 Co-Principal Investigator
Emil Martin (PI)
AHA Grant-In-Aid
Title: Modulation of soluble cyclase function by GPSM proteins. 20% effort/salary (Dr. Doursout’s Research Associate).

- 2016 – 2017 Principal Investigator
Amino Up (Sapporo, Japan)
Principal Investigator: Doursout MF (5% effort)
Title: Enzyme -Treated Asparagus Extract (ETAS) Promotes Anti-Stress Effects Through Glutamate-Induced NF-kB Pathway in APP-overexpressed mice.
Allocated Amount: \$56,000.
- 2017-2018 Principal Investigator
Cardiovascular research Alliance
Title: Application of Biological Pacemakers for Treatment of Sick Sinus Syndrome in Rats.
Allocated Amount: \$130,000

GRANTS PENDING:

NIH RO1 (2017-2022)

Principal Investigator: Doursout MF (35% effort)
Title: Dietary Intervention and Mechanistic Insight into Neurodegenerative Diseases

NIH RO1 (2017- 2022)

Principal Investigator: Iraida Sharina
Co-Investigator: Doursout MF (10 % effort)
Title: Role of Nitric Oxide Receptor Soluble Guanylyl Cyclase in Age-Related Vascular Dysfunction

NIH RO1 (2017- 2022)

Principal Investigator: Emil Martin
Co-Investigator: Doursout MF (10 % effort)
Title: Regulation of sGC Vascular Function by the Activator of G-Protein Signaling 3.

National Science Fondation (NSF; 2018-2021)

PI: Marc Robert, PhD, Rice University
Co-Investigator: Doursout MF (5 % effort)
Title: Impact of Known Polymers and Newly Engineered Polymers on Rouleaux Formation and O₂ Delivery in Rats.

CONTRACTS PENDING:

Bioscience (Lille, France); in Review

Principal Investigator: Doursout MF (5% effort)
Title: Protective Effects of *Fermentum* ME-3 in a Model of Acetaminophen/Paracetamol-Induced Liver Injury in Rats.

Biocodex (Paris, France, 2017)

Principal Investigator: Doursout MF

Title: Protection of the Intestinal Microbiota through Mechanisms Involving Short-Chain Fatty Acids in a Rat Model of Parkinson's Disease.

Servier Pharmaceuticals (2017 – in Review)

Principal Investigator: Doursout MF

Title: Mechanistic insight into gut microbiome-brain interactions In Parkinson's disease: Role of alpha-synuclein.

PUBLICATIONS:

A. Abstracts

1. Chelly J, Kouyoumdjian JC, **Doursout MF**, Schmitt H: Cardiovascular effects of glutamic acid in the dog and the rat (Fr.). J Pharmacol (Paris) 12:89, 1981.
2. Chelly J, Lokhandwala M, Huchet AM, **Doursout MF**, Schmitt, H, Buckley, J: L-glutamate induces neurogenic hypertension in dogs. 8th International Society of Hypertension, 77, 1981.
3. Hartley CJ, Lewis RM, White BJ, **Doursout MF**. Chelly JE: Pulsed Doppler evaluation of cardiovascular function in chronically instrumented dogs. J Physiol (Paris) 78:15A, 1982.
4. **Doursout MF**, Chelly J, Lekich R, Morrow D: Effects of hydralazine on the baroreflex pathway. 6th Texas Pharmacologists. 9, 1982.
5. Chelly J, **Doursout MF**, Ostermann G, Lewis R, Hartley C, Buckley J: Hemodynamic effects of molsidomine in chronically instrumented awake dogs. Pharmacologist 24:139, 1982.
6. Buckley JP, Chelly J, **Doursout MF**, Hartley C, Leckich R. Morrow D: Hemodynamic effects of ciclosidomine in awake dogs. Fed Proc 42:1020, 1983.
7. Buckley J, **Doursout MF**, Huang Y-K, Chelly J: Hemodynamic effects of cerebroventricular injections of renin in chronically instrumented dogs. 5th Int'l Am Soc Hyp 0-33, 1983.
8. **Doursout MF**, Hartley C, Chelly J: Effects of hydralazine on cardiac function and regional blood flow distribution in conscious normotensive dogs. Arch Pharmacol 324:R41, 1983.
9. Rogers K, Chelly J, **Doursout MF**, Merin RG, Taylor A: Verapamil-halothane interactions in the chronically instrumented dog. Anesth Analg 63:268, 1984.

10. Chelly J, **Doursout MF**, Hartley C: Effects of hydralazine on regional blood flow. Fed Proc 43:733, 1984.
11. Buckley JP, **Doursout MF**, Hartley C, Chelly J: Hemodynamic effects of chronic intraventricular administration of renin in awake dogs. Symp Neurop Blood Pres Control 29, 1984.
12. Chelly J, **Doursout MF**, Hartley C, Buckley JP: Hemodynamic effects of angiotensin II and bradykinin infused intraventricularly in conscious dogs. Symp Neurop Blood Pres Control 49, 1984.
13. Buckley JP, **Doursout MF**, Hartley C, Tsoa C-C, Chelly J: Hemodynamic effects of chronic activation of the brain renin-angiotensin system. 9th Int'l Cong Pharmacol. 148, 1984.
14. Chelly J, Merin R, Rogers K, **Doursout MF**, Taylor A, Hartley C: Verapamil-enflurane interaction in dogs. 9th Int'l Cong Pharmacol, 420, 1984.
15. Buckley JP, **Doursout MF**, Tsao C-C, Chelly J: Hemodynamic effects of the central administration of angiotensin II and renin in awake dogs. 10th Int'l Soc Hyp, 228, 1984.
16. Chelly J, **Doursout MF**, Hartley C, Buckley J: Cardiovascular properties of angiotensin II in the conscious dog (Fr.). J Pharmacol, 99, 1984.
17. Chelly J, Rogers K, Merin RG, **Doursout MF**, Taylor A, Hartley C: Does chronic verapamil treatment affect the cardiovascular effects of anesthetics? Anesth Analg 64:198, 1985.
18. Buckley JP, **Doursout MF**, Hartley C, Chelly J: Hemodynamic effects of angiotensin II in conscious dogs. Fed Proc 44:431, 1985.
19. **Doursout MF**, Chelly J, g, Merin R, Hartley C, Buckley J: Cardiac and regional hemodynamic properties of nicardipine, a new dihydropyridine derivative, in conscious dogs. Fed Proc 44:714, 1985.
20. Chelly J, Montastruc J-L, Hysing E, Dang-Trang L, **Doursout MF**, Montastruc P, Buckley J: Centrally mediated cardiovascular effects induced by nicardipine in dogs. Fed Proc 44:1646, 1985.
21. Hysing ES, Chelly J, **Doursout MF**, Hartley C, Merin RG: Hemodynamic interaction between isoflurane and the calcium channel blocker nicardipine in chronically instrumented dogs. Acta Anaesthesiol Scand 29:81, 1985.
22. **Doursout MF**, Chelly J, Hartley C, Buckley JP: Regional blood flows and cardiac function changes induced by angiotensin II in conscious dogs. Proc 6th Int'l Am Soc Hyp, 7, 1985.

23. Chelly J, Montastruc J-L, **Doursout MF**, Dang-Trang L, Hysing E, Montastruc P: Blockade of central calcium channels induces hypertension in dogs. Proc 6th Int'l Am Soc Hyp, 41, 1985.
24. Buckley JP, **Doursout MF**, Huang KW, Hartley C. Chelly J: Chronic effects of the central administration of renin on hemodynamic function and fluid and electrolyte balance. 6th Int'l Amer Soc Hypertension, 7,1985.
25. Hysing ES, Chelly J, **Doursout MF**, Merin RG, Hartley C: Isoflurane changes the cardiac and regional effects of the calcium channel blocker nicardipine. 7th Soc Cardiovasc Anesth, 71, 1985.
26. Chelly J, Hysing ES, Merin RG, **Doursout MF**, Hartley C: Different effects of verapamil on cardiac rhythm during halothane, enflurane, and isoflurane anesthesia. 7th Soc Cardiovasc Anesth 140, 1985.
27. Chelly J, **Doursout MF**, Hysing E, Hartley C: Role of the autonomic nervous system in the hemodynamic properties of nicardipine. 7th Am Sec Int'l Soc Heart Research, 1985.
28. Hysing E, Chelly J, Merin R. **Doursout MF**, Hartley C: Regional blood flow changes induced by administration of a calcium channel blocker in conscious dogs. 3rd Houston Biomed Eng Res, 16, 1985.
29. Chelly J, Abernethy D, Hysing ES, Merin R, **Doursout MF**: Effects of anesthetics on verapamil pharmacokinetics in dogs. Pharmacologist 27:202, 1985.
30. Kiechel JR, Hysing ES, Guerret M, Lavene D, **Doursout MF**, Gomeni C, Chelly J: Pharmacokinetic-pharmacodynamic modeling of nicardipine in conscious dogs. Pharmacologist 27:289, 1985.
31. Chelly JE, Hysing ES, Merin RG, Abernethy DR, **Doursout MF**, Hartley CJ, Guerret M: Role of anesthesia on nicardipine plasma concentration-effect relationship. Pharmacologist 27:202, 1985.
32. Hysing ES, Chelly J, **Doursout MF**, Merin RG, Hartley C: Isoflurane changes the cardiac and regional effects of the calcium channel blocker nicardipine in dogs. Anesth Analg 65:S74, 1986.
33. Chelly JE, Hysing ES, Merin RG, Abernethy DR, **Doursout MF**, Hartley CJ: Role of anesthesia on nicardipine plasma concentration-effect relationship. Clin Pharmacol Ther 39:186, 1986.
34. Merin RG, Chelly JE, Hysing ES, Abernethy DR, **Doursout MF**, Jacobson L, Kiechel JR: Effect of isoflurane on nicardipine pharmacokinetics. Clin Pharmacol Ther 39:210. 1986.

35. Chelly JE, Abernethy DR, Hysing ES, **Doursout MF**, Hartley CJ: Nicardipine-isoflurane interaction: concentration effect relationship. Clin Res 34:395, 1986.
36. Chelly J, Montastruc JL, **Doursout MF**, Dang-Trang L, Hysing E, Montastruc P: Central cardiovascular properties of nicardipine. J Pharmacol (Paris) 1986.
37. Chelly JE, Abernethy DR, Dlewati A, Hill DC, **Doursout MF**: Effects of lidocaine on verapamil pharmacokinetics. World Cong Clin Pharmacol Ther, 91. 1986.
38. Chelly JE, Hill DC, Dlewati A, Abernethy DR, **Doursout MF**, Hartley CJ, Merin RG: Hemodynamic interactions of lidocaine and verapamil. World Cong Clin Pharmacol Ther, 176, 1986.
39. Dlewati A, Hill DC, Chelly JE, Abernethy DR, **Doursout MF**, Merin RG: Effect of lidocaine on verapamil pharmacokinetics in dogs. Anesthesiology 65:A227, 1986.
40. Buckley JP, Chelly J, **Doursout MF**, Liang Y: Central angiotensin II mechanisms and the sodium pump. Hypertension 8:829, 1986.
41. **Doursout MF**, Liang Y, Chelly JE, Buckley JP: Relationship between chronic stimulation of the brain renin-angiotensin system and the presence of a humeral inhibitor, the Na⁺-K⁺ pump. Hypertension 9:554, 1987.
42. Lokhandwala MF, Dlewati A, Chelly JE, **Doursout MF**: Renal, cardiac and systemic hemodynamic effects of the dopamine receptor agonist SK&F 85174 in anesthetized dogs. Fed Proc P665, 1987.
43. **Doursout MF**, Chelly JE, Hill DC, Dlewati A, Abernethy DR, Merin RG: Effects of thiopental anesthesia on pharmacodynamics and pharmacokinetics of verapamil in dogs. 10th International Congress of Pharmacology, p. 0171, 1987.
44. **Doursout MF**, Wouters PF, Chelly JE: Centrally mediated hypertension induced by nimodipine in conscious dogs. 12th Scientific Meeting of the International Society of Hypertension, p. 19, 1988.
45. Buckley JP, **Doursout MF**, Lawrence C, Liang Y-Y, Chelly JE: Influence of gender on centrally mediated angiotensin II-induced hypertension in dogs. J Hyper 6:S734, 1988.
46. **Doursout MF**, Suignard L, Wouters PF, Buckley JP, Chelly JE: Chronic administration of ouabain induces hypertension in rats. Circulation 11:541, 1988.
47. **Doursout MF**, Wouters PF, Chelly JE: Central pressor effects induced by nimodipine in dogs. Fundamental and Clinical Pharmacology, 1988.
48. Wouters PF, Chelly JE, **Doursout MF**, Hartley CJ, Merin RG: Effects of enflurane (E) on hepatic blood flow in chronically instrumented dogs. Anesth Analg 68:S313, 1989.

49. Buckley JP, **Doursout MF**, Lawrence C, Liang Y-Y, Chelly JE: Hormonal steroids in centrally mediated angiotensin II sodium-dependent hypertension. *Hypertension* 13:34, 1989.
50. **Doursout MF**, Wouters P, Lawrence C, Chelly JE: Hypertension and calcium channel mediated responses. *Hypertension* 13:37, 1989.
51. Wouters P, **Doursout MF**, Chelly JE: Assessment of cardiac function in conscious spontaneously hypertensive (SHR) and Wistar-Kyoto rats (WKY). *Hypertension* 13:102, 1989.
52. **Doursout MF**, Chelly JE. Lawrence C, Buckley JP: Gender, the Na⁺-K⁺ Pump, and angiotensin II-induced hypertension in conscious dogs. *Circulation* 80:0812, 1989.
53. Wouters P, **Doursout MF**, Kashimoto S, Lawrence C, Merin RG, Chelly JE: Sevoflurane preserved hepatic arterial blood flow in dogs. *Anesthesiology* 71:A306, 1989.
54. Wouters P, **Doursout MF**, Florence B, Merin RG, Chelly JE: Hemodynamic effects of sevoflurane in chronically instrumented dogs. *Anesthesiology* 71:A508. 1989.
55. Steenberg ML, Varughese A, **Doursout MF**, Merin RG, Drake RE, Laine GA, Chelly JE: Role of the lymphatic circulatory system in drug disposition. *FASEB J* 4:A463, 1990.
56. Kashimoto S, **Doursout MF**, Wouters P, Lawrence C, Merin RG, Chelly JE: Effects of bupivacaine and lidocaine on cardiac function in awake and pentobarbital-anesthetized rats. *Anesth Analg* 70:SI 90, 1990.
57. Bernard J-M, **Doursout MF**, Wouters P, Florence B, Chelly JE, Merin RG: Comparison between hemodynamic effects of sevoflurane and isoflurane in chronically instrumented dogs. *Anesth Analg* 70:S23, 1990.
58. Chelly JE, **Doursout MF**, Hartley C: Effects of Prostaglandins and the autonomic nervous system on nitroglycerin in conscious dogs. *Xlth International Congress of Pharmacology* 183:P.We. 115, p. 1271, 1990.
59. **Doursout MF**, Wouters P, Kashimoto S, Chelly JE: Measurement of cardiac function in conscious rats. *Xlth International Congress of Pharmacology* 183:P. Fr. 13 1. p. 2231. 1990.
60. Merin RG, Bernard J-M, **Doursout MF**, Chelly JE: The effects of desflurane (D) and isoflurane (I) on cardiovascular (CV) and coronary dynamics (CoD) in the chronically instrumented dog. *Anesthesiology* 7:A552, 1990.
61. Butler BD, **Doursout MF**, Chelly JE: Cardiovascular effects of decompression sickness in chronically instrumented rats. *Undersea Biomed Research* 18:27, 1991.

62. **Doursout MF**, Chelly JE: Hemodynamic properties of Amphotericin B in conscious dogs. Vth World Conference on Clinical Pharmacology and Therapeutics Japan, 1992.
63. Butler BD, Robinson RR, **Doursout MF**, Chelly JE: Cardiac function changes in rats using a model of simulated weightlessness. FASEB J 6:A1 773 1992.
64. Robinson RR, **Doursout MF**, Chelly JE, Butler BD: Cardiovascular function measurement in the tail suspended rat. Amer Soc Gravity Biol Bulletin 6:35, 1992.
65. **Doursout MF**, Kilbourn R, Lechevalier T, Chelly JE: Hemodynamic comparison of nitroglycerin (NTG) and N-methyl-L-arginine (L-NMA) in conscious dogs. J Vasc Med Biol 3:455, 1992.
66. **Doursout MF**, Kilbourn R, Lechevalier T, Chelly JE: Inhibition of nitric oxide synthesis preserves regional circulation. J Vascular Medicine and Biology 3:456, 1992.
67. **Doursout MF**, Lechevalier T, Kilbourn R, Liang YY, Chelly JE: Does lipopolysaccharide infusion simulate endotoxin shock in dogs? Anesthesiology 79:A255, 1993.
68. Lechevalier T, Chelly JE, Kilbourn R, **Doursout MF**: Does nitric oxide inhibitor reverse lipopolysaccharide induced shock in awake dogs? Anesthesiology 79:A258, 1993.
69. Lechevalier T, **Doursout MF**, Kilbourn R, Chelly JE: Cardiovascular relevance of basal nitric oxide release in conscious dogs. Anesthesiology, 79:A658, 1993.
70. **Doursout MF**, Lechevalier T, Kilbourn RG, Chelly JE: N-methyl-L-arginine on organ blood flow distribution in conscious dogs during septic shock. International Trauma Anesthesia and Critical Care Society. Paris, France, 1994.
71. Chelly JR, **Doursout MF**, Lechevalier T, Liang YY, Kilbourn RG: Preferential role of nitric oxide on mesenteric circulation during halothane anesthesia. Association of University Anesthesiologists. Chicago, Illinois, 1994.
72. Lechevalier T, **Doursout MF**, Kilbourn RG, Chelly JE: Halothane does not interfere with vasoconstriction mediated by the nitric oxide synthase blockade. Anesthesiology 81:A647, 1994.
73. Berry JM, **Doursout MF**, Butler BD: Regional hemodynamic effects of hyperbaric hyperoxia in the awake dog. Anesthesiology 81:A720, 1994.
74. **Doursout MF**, Kilbourn RG, Chelly JE: Role of nitric oxide in the vasodilation induced by propofol. Anesthesiology 81:A768, 1994.

75. Minkowitz H, **Doursout MF**, Liang YY, Oguchi T, Kilbourn R, Chelly JE: Role of isoflurane and halothane in the cardiac and regional haemodynamic effects of nitric oxide synthase inhibition dogs. *BJA* 74:A98, 1995.
76. Chelly J, **Doursout MF**, Lechevalier T, Liang YY, Chelly F, Kilbourn R: Cardiac and regional haemodynamic interactions between halothane and nitric oxide synthase activity in dogs. *BJA* 74:A97, 1995.
77. **Doursout MF**, Liang YY, Oguchi T, Kilbourn R, Chelly JE: Cardiac and regional haemodynamic effects of an infusion of N-methyl-L-arginine in conscious dogs. *BJA* 74:A95, 1995.
78. Minkowitz H, **Doursout MF**, Liang YY, Chelly F, Chelly JE: Isoflurane but not halothane prevents the decrease in hepatic blood flow produced by nitric oxide synthase blockade. *Anesthesiology* 83:A552, 1995.
79. Khalil S, **Doursout MF**, Oguchi T, Liang YY, Chelly JE: Hemodynamic effects associated with acute isovolemic hemodilution in conscious dogs. *Anesthesiology* 83:A647, 1995.
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B. Peer-Reviewed Articles

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 Davidson EM, Szmuk P, Chelly JE, **Doursout MF**: Esmolol reduces nociceptive behavior in the rat formalin test
 Oguchi T, **Doursout MF**, Chelly J: Role of nitric oxide on hemodynamic changes induced by protamine in non-heparinized conscious dogs.
61. European Society of Intensive Care Medicine, 10th Annual Congress (Paris, France, 1997)
 Chelly JE, Oguchi T, Hartley CJ, **Doursout MF**: Cardiac and regional hemodynamic properties of intralipid in conscious dogs.
Doursout MF, Kilbourn RG, Hartley CJ, Chelly JE: Hemodynamic properties of aminoguanidine in a porcine endotoxin shock model.
62. Anesthesia and Analgesia Meeting (San Francisco, CA, 1997)
 Khalil S, **Doursout MF**, Liang YY, Chelly JE: Role of halothane in the cardiac and regional hemodynamic responses to acute isovolemic hemodilution in dogs.
63. Khalil S, **Doursout MF**, Liang Y, Chelly J: Halothane anesthesia affects the systemic and regional hemodynamic changes associated with acute isovolemic hemodilution in chronically instrumented dogs.
64. 11th Annual Congress European Society of Intensive Care Medicine (Stockholm, Sweden, 1998)

- Doursout MF**, Liang YY, Davis KL, Hartley CJ, Chelly JE: Inducible nitric oxide synthase activity in a porcine endotoxin shock model.
65. Institut Pasteur Euro Conferences (Paris, France, 1998)
Doursout MF, Liang YY, Davis KL, Hartley CJ, Chelly JE: Role of iNOS in sepsis-induced hepatic vasodilation in a porcine model.
66. American Society of Anesthesiologists Annual Meeting (Orlando, FL, 1998)
Doursout MF, Davidson E, Abouleish E: Nitric oxide in cerebrospinal fluid during labor pain.
- Davidson EM, Szmuk P, **Doursout MF**, Chelly J: Antinociceptive properties of labetalol in the rat formalin test.
- Davidson EM, Szmuk P, **Doursout MF**, Chelly J: Effects of nicardipine in the rat formalin test.
- Weavind LM, Nates JL, Pivalizza E, **Doursout MF**, Chelly JE: Thrombelastogram in coagulation abnormalities after gas embolism.
- Doursout MF**, Hartley C, Chelly JE: Inducible nitric oxide synthase inhibition in a porcine endotoxin shock model.
67. Experimental Biology Meeting (Washington, DC, 1999)
Doursout MF, Davis KL, Hartley CJ, Chelly JE: Aminoguanidine inhibits sepsis-induced hepatic vasodilation in a porcine model.
- Butler BD, Little T, **Doursout MF**: Experimental decompression sickness: role of inflammatory mediators.
68. American Society of Regional Anesthesiologists Meeting (Philadelphia, PA, 1999)
Doursout MF, Davidson E, Chelly JE: Nociceptive properties of aminoguanidine in the rat formalin test.
69. American Society of Anesthesiologists Meeting (Dallas, TX, 1999)
Nates JL, Weavind LM, **Doursout MF**, Pivalizza E, Chelly JE: Effects of mexilitene in coagulation abnormalities after gas embolism.
- Doursout MF**, Nates JL, Weavind LM, Joseph PM, Chelly JE: Role of nitric oxide in coagulation abnormalities in sepsis.
- Doursout MF**, Davidson EM, Szmuk P, Chelly JE: Analgesic properties of nitric oxide synthase inhibitors.

70. Critical Care 29th Annual Educational Scientific Symposium (Orlando, FL, 2000)
Nates J, Weavind LM, Chelly JE, **Doursout MF**: A thrombelastographic study of lipopolysaccharide induced coagulation abnormalities in a pig endotoxemic shock model.

Nates J, **Doursout MF**: Effects of volumetric diffusive respiration with normal or inverse I:E ratio on intracranial pressure.
71. European Society of Anaesthesiologists Meeting (Vienna, Austria , 2000)
Doursout MF, Joseph PM, Chelly JE: Inducible nitric oxide synthase in various tissues in a porcine endotoxin shock model.
72. Experimental Biology Meeting, San Diego, CA (2000)
Doursout MF, Liang YY, Chelly JE: Inhibition of nitric oxide synthase by NOS inhibitors: Cardiovascular and antinociceptive effects.
73. American Society of Anesthesiologists Meeting (San Francisco, CA, 2000)
Doursout MF, Liang YY, Chelly JE: Role of NOS isoforms on the modulation of pain and associated cardiovascular effects in the rat formalin test.
74. 10th European Society of Anaesthesiologists (Nice France April; 6-9 2002)
Doursout MF, Liang YY, Chelly JE: Role of nitric oxide on inflammatory hyperalgesia in rats
75. Experimental Biology Meeting (San Diego, CA, 2002)
Doursout MF, Joseph PM, Liang YY, Bhuiyan MBA, Hartley CJ, Chelly BO, Chelly JE: iNOS detection in a porcine model of septic shock.
76. 45th Annual Meeting of the Western-Pharmacology Society (Mazatlan, Sinaloa, Mexico, 2002)
Doursout MF, Chelly JE: Effects of estrogen in the regulation of nitric oxide pathway during the development of hypertension in rats.
77. Critical Care Annual Meeting (San Antonio, TX; January 27-30, 2003)
Pousman R, **Doursout MF**, Fischer U, Liang Y, Chelly B, Chelly JE: Inhibition of iNOS prevents LPS-induced acute organ injury in conscious pigs.
78. Experimental Biology Meeting (San Diego, CA; April 11-15 2003)
Doursout, MF, Liang YY, Chelly B, Pousman RM, Fischer UM, Bhuiyan BM, Hartley CJ, Chelly JE: Evaluation of nitric oxide synthase isoforms and tissue specificity in a porcine endotoxin shock model.
79. Experimental Biology Meeting (Washington, DC, 2004)
Doursout MF, Raska E, Chelly B, Liang YY, Bhuiyan MBA, Drake RE: Lung function in prolonged heart failure in conscious rats.

80. American University of Anesthesiologists (2004)
Doursout MF, Furuya A, Chelly B, Liang Y, Gebhard R, Chelly J: NOS isoforms specificity during isoflurane and/or propofol anesthesia in rats challenged with LPS.
81. 13th World Congress of Anaesthesiologists (Paris, France, 2004)
Doursout MF, Furuya A, Chelly B, Liang YY, Pousman R, Gebhard R, Chelly JE: Differential cardiovascular responses to isoflurane and propofol in septic rats: role of nitric oxide.
82. European Society of Anaesthesiologists (Lisbon, Portugal, 2004)
Doursout MF, Furuya A, Chelly B, Liang YY, Pousman R, Gebhard R, Chelly JE: Role of propofol and its solvent, intralipid, in rats challenged with LPS.
83. American Society of Anesthesiologists Annual Meeting (New Orleans, 2004)
Doursout MF, Liang YY, Chelly B, Chelly JE: Nuclear factor – κ B activity and arterial response to LPS in rats.
84. Experimental Biology Meeting (San Diego, CA, 2005)
Doursout MF, Liang YY, Chelly B, Sutton A, Graham, Drake R: Lung expression NF- κ B in prolonged heart failure in rats.

Doursout MF, Liang YY, Chelly B, Chelly JE: Contribution of the NO-sGC pathway in LPS rats.
85. American Society of Anesthesiologists (Atlanta, 2005)
Doursout MF, Liang YY, Chelly B, Chelly JE: Contribution of the NO-sGC pathway on cardiac function in rats subjected to moderate hemorrhage.
86. Experimental Biology Meeting (San Francisco, CA, 2006)
Doursout MF, Sharina I.G, Murad F: NO/cGMP Pathway in Diurnal Variations of Cardiac Function in Rats.

Doursout MF, Liang YY, Chelly B, Drake RE: Direct effects of TNF- α on fibronectin rats with heart failure. J. FASEB 20: 164:15, 2006.
87. Experimental Biology Meeting (Washington DC, MA, 2007)
Doursout MF, Liang YY, Chelly BO, Hurlburt B, Chelly JE: Pentoxifylline decreases pro-inflammatory cytokines in prolonged heart failure-induced lung injury.
88. American Society of Heart Research (Bologna, Italy, 2007)
Doursout MF, Liang YY, Chelly B, Welch W: Effects of recombinant platelet factor acetylhydrolase (rPAF-AH) on lung injury in prolonged heart failure.
90. Critical Care Meeting, (Honolulu, Hawaii, 2008)
Doursout MF, Liang YY, Sharina I, Sharin V, Murad F: Role of sGC isoforms in sepsis-induced organ dysfunction in rats.

91. Experimental Biology Meeting (San Diego, CA, 2008)
Doursout MF, Liang YY, Sharina IG, Sharin VG, Murad F: Protective effects of NOS and/or sGC inhibitors combined with antioxidant in LPS-induced organ dysfunction.
92. 32nd Annual Shock Conference (San Antonio, TX, 2009)
Doursout MF, Liang YY, Parthi R, Pati S, Cattano D, Conyers J, Holcomb J: Effects of L-NAME and TPCK on nitric oxide production in hemorrhaged rats.
- Holcomb J, Gerber M, Kozar R, Parthasarthy R, Matijevic N, **Doursout MF**, Ko T, Hartwell B, Conyers J, Pati S: Protective effects of plasma (FFP) on pulmonary and lymphatic endothelial permeability diminishes between day 0 through day 5 after thaw. *Shock* 31(S):52, P97, 2009.
94. Experimental Biology Meeting (New Orleans, LA, 2009)
Doursout MF, Liang YY, Pati S, Matijevic N, Holcomb J.B: Role of the NF- κ B pathway in rats subjected to moderate hemorrhage.
95. 33rd Annual Shock Conference (San Antonio, TX, 2010)
Doursout MF, Liang YY, Deng X, Cao Y, Salbury J, Ko T, Conyers J and J. Holcomb. Plasma resuscitation suppresses reactive oxygen species production in hemorrhaged rats.
- Pati S, **Doursout MF**, and J.B. Holcomb. Human mesenchymal stem cells inhibit inflammation and preserve vascular integrity in lungs after hemorrhage shock.
- Alrehami N, Matijevic N, **Doursout MF**, Dong JF, Cruz MA, Holcomb JB and Vijayan KV. Regulation of protein phosphatase 2B activity and the exocytosis of von willebrand factor in hemorrhagic shock.
- Deng X, Cao Y, **Doursout MF**, He G, Kozar RA, Holcomb JB and Ko TC. Standard storage of fresh plasma (FFP) reduces its anti-apoptotic effects during hemorrhagic shock (HS) resuscitation.
96. American Society of Anesthesiologists Annual Meeting (San Diego, 2010)
Doursout MF, Sharina I, Liang YY, Conyers J and F Murad: Role of oxidative stress in irradiated rats.
97. Experimental Biology Annual Meeting (Washington DC, 2011)
Doursout MF, Martin E, Garg H, Bryan N, Conyers JL, Sharina IG: Total body irradiation affects the integrity of nitric oxide/cGMP signaling in rat tissues.
98. 34th Annual Shock Conference (Norfolk, Virginia, 2011)
Doursout MF, Pati S, Kozar RA, Deng X, Ko TC, Holcomb JB. Assessment of endothelium integrity in hemorrhaged and/or resuscitated rats.

- Deng X, Cao Y, **Doursout MF**, He G, Kozar MA, Wade CE, Holcom JB. The role of AMP-activated protein kinase (AMPK) in mediating fresh frozen plasma (FFP)'s protective effects in endothelial cells (ECS).
99. Advanced Technology Applications for Combat Casualty Care (ATACCC) Fort Lauderdale, 2011.
Doursout MF, Marquez J, Bryan N, Conyers J, Danila D, Sharina I: Protective effects of DF-1, a C60 fullerene based nanoparticle in irradiated rats.
 100. American Heart Association Orlando, 2011.
Doursout MF, Chu J, Liang YY, Dou SJ, Uray K: Tissue remodeling and pulmonary fibrosis development in chronic heart failure.
 101. Experimental Biology Annual Meeting (San Diego, CA, 2012)
Doursout MF, Liang Y and Uray K: Fibroblast's phenotypic changes in chronic heart failure-induced pulmonary fibrosis.
 - 102: 71st Annual Meeting of AAST and Clinical Congress of Acute Care Surgery. Kauai, Hawaii, 2012.
Doursout MF, Sharina I, Liang Y and Martin E: Inhibitory effects of combined nitric oxide synthase and reactive oxygen species in experimental septic shock.
 103. Experimental Biology Annual Meeting (Boston, 2013).
Vandelaar, L. Liang YY and **Doursout MF**. Pharmacological interventions to overcome reactive oxygen species in hemorrhagic shock.
 104. Experimental Biology Annual Meeting (Boston, 2013)
Doursout MF, Schurdell MS, Young LM, Osuagwu U, Hook DM, Poindexter BJ, Schiess MC, Bick DLM and Bick RJ: Inflammatory cells and cytokines in the Olfactory Bulb of a rat model of neuroinflammation; Insights into neurodegeneration?
 105. The 21th International Congress on Nutrition and Integrative Medicine (2013)
Doursout MF, Liang YY, Sundaresan Alumina, Kulkarni Anil. Effects of AHCC in an animal model of inflammation-induced oxidative stress.
 106. Experimental Biology Annual Meeting (Boston, 2014).
Doursout MF; Segal G, Ahn S; Sundar D; Liang YY; Wakame K; Sundaresan A and Kulkarni A. Active Hexose Correlated Compound Moderates LPS-Induced Gut Injury in Rats. *Exp. Bio. J: LB 576*, 2014.

Bick D. L; **Doursout MF**; Schiess M and Bick R.J. Cellular responses to inflammation in the central nervous system: nitric oxide synthase isoform expression in cell culture and animal models. *Exp. Bio. J: LB 501*, 2014.
 107. The 22th International Congress on Nutrition and Integrative Medicine (2014)
Doursout MF, Wakame K; Sundaresan A; and Kulkarni A: AHCC modulates hypertension

via the nitric oxide signaling pathway in rats.

Sundaresan A, Olamigoke I, Mann V, Mansoor E, Ellis I, Okoro E, Wakame K, **Doursout MF** and Kulkarni A: AHCC triggers immune proliferation and activation of human lymphocytes via targeted phenotype and genotype transformation.

108. The 23rd International Congress on Nutrition and Integrative Medicine (ICNIM) Sapporo Japan, July 2015.

Doursout MF, Sundaresan A, Costa FS, Liang Y, Wakame K, Fujii H, and Kulkarni A: Oral administered active hexose correlated compound moderates LPS-induced hypotensive response and gut injury in rats.

Alamelu Sundaresan, Loretta Olamigoke, Vivek Mann, Elvedina Mansoor, Ivory Ellis, Elvis Okoro, Hajime Fuji, Atsuya Sato, Koji Wakame, Anil Kulkarni, and **Marie-Francoise Doursout**. AHCC mediates lymphocyte activation and promotes cell adhesion via direct targeting of T cell receptors and adhesion molecules.

109. Experimental Biology Annual Meeting (San Diego, 2016).

Doursout MF, Liang Y, Wang YW, Devakottai S, Payne JN., Wade CE, and Matijevic N: Impact of microvesicles pro-inflammatory properties on sepsis-induced endothelium dysfunction.

- 110 The 25th International Congress on Nutrition and Integrative Medicine (ICNIM) Sapporo Japan, July 2017.

Doursout MF; Peng Z; Bedi S, Sundaresan A; Homma K; and Kulkarni AD. Neuroprotective effects of ETAS in APP overexpressed mice.

169. ISPS-7 & ELGRA-25, 2017.

Sundaresan A, Olamigoke L, Mansoor E, Devakottai R, Reseland JE, Brungs S, Hemmesbach R, Mann V, Okoro E, Homma K, Kulkarni AD and **Doursout MF**: Alleviation of inflammation and stimulation of the immune response by Active Hexose Correlated Compound (AHCC) in stressful physiological environments.

WORKSHOPS:

1. Association for Women faculty - Career Enhancement Workshop, October 2004, The University of Texas Medical School at Houston, Houston, Texas
2. NASA/NSBRI Workshop, February 2004, Del Lago Waterfront Conference Center, Lake Conroe, Texas
A Soluble Guanylyl Cyclase Mouse Knock-Out Model
3. NASA/NSBRI Workshop, February 2005, Del Lago Waterfront Conference Center, Lake Conroe, Texas
A Soluble Guanylyl Cyclase Mouse Knock-Out Model

4. NASA Human Research Program Investigators' Workshop, February 12 – 14, 2006, League City, Texas.
Soluble Guanylyl Cyclase (sGC) Mouse Knock-Out Model.
5. NASA Human Research Program Investigators' Workshop February 12 – 14, 2007, League City, Texas
NO/cGMP Pathway in Diurnal Variations of Cardiac Function in Rats
6. NASA Models of CNS Space Radiation Risks and Flight Interactions Workshop October 30-31, 2007. The Universities Space Research Association (USRA) Facility in Houston, Texas.
7. NSBRI/TATRC: Institute of Molecular Medicine, UT-Houston, Texas October 2007 and April 2008.
Presentation: Effects of Radiation Exposure on Cardiovascular Health Effects of Acute Radiation-Induced Skin Injury in Rats.
8. Human Research Protection Program-Departmental Review Process Workshop. November 15, 2012. Presentation “Departmental Research Review”.
9. Loretta Olamigoke, Vivek Mann, Elvedina Mansoor, Ivory Ellis, Elvis Okoro, Wakame K. Kulkarni A, **Doursout MF**, and Sundaresan A. AHCC activates human lymphocytes via phenotypic, genotypic and differentiation changes to an adherent cell type. A possible novel mechanism of T cell activation. #0140; The 2015 NASA Human Research Program Investigators' Workshop (HRP IWS 2015). Galveston, 2015.

INVITED LECTURES:

1. Cardiac function in the diabetic heart
Invited by Makoto Nagano, M.D.
Tokyo Japan, 1991
2. Effects of estrogen in the regulation of nitric oxide pathway during development of hypertension in rats.
Invited by George Stancel, Ph.D.
The University of Texas Medical School at Houston, Department of Pharmacology, 2001.
3. Cardiac and regional hemodynamics in lipopolysaccharide-treated pigs: Role of nitric oxide.
Invited by Taheshi Oguchi, M.D.
7th America-Japan Anesthesia Congress
Yamanashi, Japan, October 29 – November 2, 2002

4. Role of cytokines in sepsis.
Invited by Joseph Nates, M.D.
MD Anderson, Department of Critical Care -Cytokines & Supportive Care Working Group Meeting, May 23, 2007
5. Bisulfite neurotoxicity fact or fantasy?
Invited by Elisabetta Donati, Ph.D.
XXVII ESRA Annual Congress Genoa, Italy, 2008
6. Academy of Medicine Engineering and Science of Texas
Invited by Dr. Ferid Murad, M.D., Ph.D.
Annual Conference in Dallas, January 7-9, 2009
7. Role of sGC isoforms in sepsis-induced organ dysfunction in rodents
Invited by Dorota Gryko, Ph.D.
Institute of Organic Chemistry, Polish Kasprzaba Poland
Warsaw, Poland, October 7-9, 2010.
8. Impact of Micro particle Pro-Inflammatory and Pro-Coagulant Properties on Sepsis-Induced Endothelium Dysfunction
Invited by Dr. Charles Wade, Ph.D, CeTIR, Department of Surgery-Trauma
McGovern Medical School at UT-Health, May 23, 2014.
9. Effects of AHCC in an Animal Model of Inflammation-Induced Oxidative Stress Induced Endothelium Dysfunction
Invited by Dr. Anil Kulkarni PhD.
Department of Surgery, McGovern Medical School at UT-Health
May 20, 2014, 2010
10. Effects of AHCC in an Animal Model of Inflammation-Induced Oxidative Stress Induced Endothelium Dysfunction
AMINO UP. Sapparo Japan
Invited by Koji Wakame, Ph.D.
22nd International Congress on Nutrition and Integrative Medicine (ICNIM)
Sapporo Japan, July 2014
11. Department of Anesthesiology-ACUPAN
Invited by Claudia Ferrera, M.D., Ph.D.
BIOCODEX Pharmaceuticals, Paris, France
December 18, 2014
12. Oral Administered Active Hexose Correlated Compound Moderates LPS-Induced Hypotensive Response and Gut Injury in Rats
Invited by Hajime Fujii, Ph.D.
AMINO UP. Sapporo Japan
23rd International Congress on Nutrition and Integrative Medicine (ICNIM)

Sapporo Japan, July 2015.

13. Neuroprotective effects of ETAS in APP Overexpressed Mice
AMINO UP. Sapporo Japan
Invited by Hajime Fujii, Ph.D.
25th International Congress on Nutrition and Integrative Medicine (ICNIM)
Sapporo Japan, July 2017