

CURRICULUM VITAE

Business Address Department of Pediatrics
 Women & Infant's Hospital of Rhode Island
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EDUCATION

Undergraduate Taipei Medical College, School of Pharmacy, Taipei,
 Taiwan, 1977 - 1981, B.S.

Graduate University of Mississippi Medical Center, Department of Pharmacology and
 Toxicology, Jackson, MS, 03/1989 - 09/1993, Ph.D.
 Advisor: I. K. Ho, Ph.D.
 Dissertation Title: Region-specific Alterations of Brain γ -Aminobutyric
 Acid_A Receptor Complex by Pentobarbital: A Study on Tolerance and
 Withdrawal.

POSTGRADUATE TRAINING

Fellowship: Cardiovascular Research Fellow, Department of Pediatrics
 Harbor-UCLA Medical Center, Torrance, California
 10/93-6/95, Advisor: James F. Padbury, M.D.

POSTGRADUATE HONORS AND AWARDS

Best COBRE Investigator Prize, Stem Cell and Cancer Therapeutics
Symposium- the first collaboration between all four COBRE in Rhode
Island, Providence, RI, May 2006

Master of Arts ad eundem, Brown University, May 2006.

Richard E. Weitzman Memorial Fellowship Award
Harbor-UCLA Medical Center, 1995

YI-TANG DON TSENG, Ph.D.

July 03, 2006

American Society for Pharmacology and Experimental Therapeutics
Neuropharmacology Best Paper Award, July 31, 1993

American Society for Pharmacology and Experimental Therapeutics Student
Travel Award, 1993

The National Honor Society of Phi Kappa Phi, 1991

MILITARY SERVICE

Ensign, Navy, 1981 - 1983, Kaoshiung, Taiwan

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Pharmacist, 1981, Taiwan

ACADEMIC APPOINTMENTS

1. Assistant Professor (Research), 1995 – 2004
Department of Pediatrics
Women and Infant's Hospital of Rhode Island
Brown Medical School
2. Associate Professor (Research), 2004 – present
Department of Pediatrics
Women and Infant's Hospital of Rhode Island
Brown Medical School

OTHER APPOINTMENTS- EDITORIAL REVIEWER

Acta Pharmacologica Sinica
American Journal of Physiology: Endocrinology and Metabolism
American Journal of Physiology: Regulatory, Integrative and Comparative
Physiology
Asia Journal of Andrology
Biochimica et Biophysica Acta
BBA- Molecular Cell Research
The Journal of Pediatrics

HOSPITAL COMMITTEES

Lifespan Annual Research Celebration, Planning Committee, 1996 – present.
Lifespan Annual Research Celebration, Judges Panel for Young Investigator Award Competition, 1996 – present.
Kilguss Research Institute Governance Committee, 2003 – present.
COBRE Associate Core Director Search Committee, 2004.
Animal Welfare Committee (IACUC) 2004 – present.

MEMBERSHIP IN SOCIETIES

American Association for the Advancement of Science
American Heart Association
American Physiological Society
New York Academy of Science
Society for Neuroscience
Society of Chinese Bioscientist in America
Southeastern Pharmacology Society (1989- 1993)
Society for Pediatric Research

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Hoskins B, Oh SK, Tseng YT, Rockhold RW, Ho IK. Effects of cocaine on tyrosine hydroxylase activity in brain areas from SHR and WKY. *Brain Res Bull* 25: 639-641, 1990.
2. Tseng YT, Miyaoka T, Ho IK. Region-specific changes of GABA_A receptors by tolerance to and dependence upon pentobarbital. *Eur J Pharmacol* 236: 23-30, 1993.
3. Tseng YT, Wellman SE, Ho IK. Sedative-hypnotics: addiction and current research status. *J Food Drug Anal* 1: 311-325, 1993.
4. Miyaoka T, Kimura T, Saunders PA, Tseng YT, Ho IK. Binding characteristics of [³H]flunitrazepam in pentobarbital-withdrawal rats. *Neurochem Res* 19: 37-42, 1994.
5. Tseng YT, Rockhold RW, Hoskins B, Ho IK. Cardiovascular toxicities of nandrolone and cocaine in spontaneously hypertensive rats. *Fundam Appl Toxicol* 22: 113-121, 1994.
6. Tseng YT, Wellman SE, Ho IK. Differential effects on GABA_A receptor γ_2 -subunit messenger RNA by tolerance to and withdrawal from pentobarbital- an *in situ* hybridization study. *Life Sci* 53: PL 321-326, 1993.
7. Tseng YT, Wellman SE, Ho IK. In situ hybridization evidence of differential modulation by pentobarbital of GABA_A receptor α_1 - and β_3 -subunit mRNAs. *J Neurochem* 63: 301-309, 1994.
8. Feng YZ, Tseng YT, Jaw SW, Hoskins B, Ho IK. Tolerance development to butorphanol: comparison with morphine. *Pharmacol Biochem Behav* 49: 649-655, 1994.
9. Feng YZ, Narita M, Tseng YT, Hoskins B, Ho IK. Crosstolerance between butorphanol and morphine in rats. *Pharmacol Biochem Behav* 49: 657-661, 1994.
10. Padbury JF, Tseng YT, Waschek JA. A cloning strategy for G-protein- coupled hormone receptors: the ovine β_1 -adrenergic receptor. *Reprod Fertil Dev* 7: 521-525, 1995.
11. Tseng YT, Tucker MA, Kashiwai KT, Waschek JA, Padbury JF. Regulation of β_1 -adrenoceptors by glucocorticoids and thyroid hormones in fetal sheep. *Eur J Pharmacol (Mol Pharmacol Sec)* 289: 353-359, 1995.
12. Padbury JF, Tseng YT, Waschek JA. Transcription initiation is localized to a TATAless region in the ovine β_1 adrenergic receptor gene. *Biochem Biophys Res Commun* 211: 254-261, 1995.

13. Bzoskie L, Blount L, Kashiwai K, Tseng YT, Hay WW Jr, Padbury JF. Placental norepinephrine clearance: in vivo measurement and physiological role. *Am J Physiol* 269 (Endocrinol Metab 32): E145-E149, 1995.
14. Tseng YT, Waschek JA, Padbury JF. Functional analysis of the 5' flanking sequence of the ovine β 1-adrenergic receptor gene. *Biochem Biophys Res Commun* 215: 606-612, 1995.
15. Bzoskie L, Yen J, Tseng YT, Blount L, Kashiwai K, Padbury JF. Human placental norepinephrine transporter mRNA: expression and correlation with fetal condition at birth. *Placenta* 18: 205-210, 1997.
16. Padbury JF, Tseng YT, McGonnigal B, Penado K, Stephan M, Rudnick G. Placental biogenic amine transporters: cloning and expression. *Mol Brain Res* 45: 163-168, 1997.
17. Tseng YT, Stabila J, McGonnigal B, Nguyen TT, Padbury JF. An inversed cAMP response element mediates the cAMP induction of the ovine β 1- adrenergic receptor gene. *Biochem Mol Biol Int* 46: 1127-1134, 1998.
18. Tseng YT, Padbury JF. Expression of a pulmonary endothelial norepinephrine transporter. *J Neural Transm* 105: 1187-1191, 1998.
19. Nguyen TT, Tseng YT, McGonnigal B, Stabila JP, Worrell LA, Saha S, Padbury JF. Placental biogenic amine transporters: in vivo function, regulation and pathobiological significance. *Placenta* 20: 3-11, 1999.
20. Padbury JF, McGonnigal B, Tseng YT, Nguyen TT, Stabila JP. Cloning and sequence analysis of the rat norepinephrine transporter promoter. *Mol Brain Res* 83: 128-132, 2000.
21. Tseng YT, Stabila JP, Nguyen TT, McGonnigal BG, Waschek JA, Padbury JF. A novel glucocorticoid regulatory unit mediates the hormone responsiveness of the β 1-adrenergic receptor gene. *Mol Cell Endocrinol* 181: 165-178, 2001.
22. Tseng YT, Kopel R, Stabila JP, McGonnigal BG, Nguyen TT, Gruppuso PA, Padbury JF. β -Adrenergic receptors (β AR) regulate cardiomyocyte proliferation during early postnatal life. *FASEB J* 15: 1921-1926, 2001.
23. McNab TC, Tseng YT, Stabila JP, McGonnigal BG, Padbury JF. Liganded and unliganded steroid receptor modulation of β 1-adrenergic receptor gene transcription. *Pediatr Res* 50: 575-580, 2001.
24. Tseng YT, Wadhawan R, Stabila JP, McGonnigal BG, Padbury JF. Molecular interactions between glucocorticoids and catecholamine signaling pathways. *J Allergy Clin Immunol*

- 110: S247-S254, 2002.
25. Wadhawan R, Tseng YT, Stabila J, McGonnigal B, Sarkar S, Padbury J. Regulation of cardiac β 1-adrenergic receptor transcription during developmental transition. *Am J Physiol Heart Circ Physiol* 284: H2146-H2152, 2003.
 26. Hleb M, Murphy S, Wagner EF, Hanna NN, Sharma N, Park J, Li XC, Strom TB, Padbury JF, Tseng YT, Sharma S. Evidence for cyclin D3 as a novel target of rapamycin in human T lymphocytes. *J Biol Chem* 279: 31948-31955, 2004.
 27. Tseng Y-T, Yano N, Rojan A, Stabila JP, McGonnigal BG, Ianus V, Wadhawan R, Padbury JF. Ontogeny of Phosphoinositide 3-Kinase (PI3K) Signaling in Developing Heart: Effect of Acute β -Adrenergic Stimulation. *Am J Physiol Heart Circ Physiol* 289: H1834-H1842, 2005.

BOOKS AND BOOK CHAPTERS

1. YT Tseng, JF Padbury. The Sympathoadrenal System in the Placental Unit. In: R.M. Cowett, Ed. Principles of Perinatal- Neonatal Metabolism, Second Edition. Springer-Verlag New York, Inc., New York, NY, 437-449, 1998.
2. YT Tseng, JF Padbury. Primer Extension Methods for Determination of β 1- Adrenergic Receptor mRNA Start Sites. In: Curtis A. Marchida, Ed. Adrenergic Receptor Protocols, Methods in Molecular Biology series. 126: 181-185, Humana Press Inc., Totowa, NJ, 1999.
3. YT Tseng, JF Padbury. Transient Transfection and Adrenergic Receptor Promoter Analysis. In: Curtis A. Marchida, Ed. Adrenergic Receptor Protocols, Methods in Molecular Biology series. 126: 235-239, Humana Press Inc., Totowa, NJ, 1999.

PUBLICATIONS SUBMITTED OR IN PREPARATION

1. Yano N, Ianus V, Zhao TC, Padbury JF and Tseng Y-T. β -Adrenergic receptor activation of PI3K in h9c2 cardiomyocytes. (submitted)
2. Ting C Zhao, Guang M Cheng, Ling-Xiu Zhang, Yi-Tang Tseng, James F, Padbury. Histone deacetylase inhibition protects the myocardium against ischemic injury. (submitted)

ABSTRACTS

1. Tseng YT, Rockhold RW, Hoskins B, Ho IK. Interactions between cocaine and the anabolic steroid, nandrolone, in the spontaneously hypertensive rat (SHR). Presented at the joint annual meeting of Southeastern Pharmacology Society, SEACCP, and SESOT, Augusta, GA, 1989.
2. Tseng YT, Kimura T, Hoskins B, Rockhold RW, Ho IK. Chronic nandrolone induces heart changes and affects brain GABA receptor bindings in spontaneously hypertensive (SHR) and Wistar Kyoto rats (WKY). *The Pharmacologist* 33: 149, 1991.
3. Tseng YT, Miyaoka T, Yu S, Ho IK. Region-specific alterations in [³⁵S]TBPS binding sites of brain GABA_A receptor after tolerance to and dependence upon pentobarbital. *The Pharmacologist* 34: 210, 1992.
4. Tseng YT, Miyaoka T, Ho IK. Region-specific alterations of GABA_A receptor bindings by continuous intracerebroventricular (icv) infusion of pentobarbital (PB). *FASEB J.* 7: A31, 1993.
5. Feng YZ, Tseng YT, Jaw SW, Hoskins B, Ho IK. Tolerance development to butorphanol: comparison with morphine. *FASEB J.* 7: A706, 1993.
6. Tseng YT, Wellman SE, Ho IK. Evidence of differential modulation of GABA_A receptor subunit gene expression in pentobarbital-dependent rats by *in situ* hybridization. *The Pharmacologist* 35: 137, 1993.
7. Feng YZ, Tseng YT, Hoskins B, Ho IK. Studies of tolerance and cross tolerance to butorphanol and morphine in rats by continuous icv infusion. *The Pharmacologist* 35: 189, 1993.
8. Bzoskie LA, Tseng YT, Blount L, Hay W, Padbury JF. Placental norepinephrine transporter: *in vivo* measurement and physiological role. *Pediatr. Res.* 35: 4, 64A, 1994.
9. Tseng YT, Padbury JF. Initiator element localized for TATAless β 1-adrenergic receptor gene. *Am. Fed. Clin. Res.*, 1994.
10. Padbury JF, Tseng YT, Waschek JA. Cloning and sequence analysis ovine β 1-adrenergic receptor (β 1AR) and 5' flanking region. *FASEB J.* 8: A354, 1994.

11. Tseng YT, Waschek JA, Padbury JF. Ovine β 1-adrenergic receptor (β 1AR) gene: initiator element localization and hormonal regulation. *FASEB J.* 9: A108, 1995.
12. Tseng YT, Padbury JF. Initiator elements localized for TATAless β 1 adrenergic receptor gene. *J. Invest. Med.* 43: 191A, 1995.
13. Bzoskie LA, Tseng YT, Blount L, Hay W, Padbury JF. Placental norepinephrine transporter: in vivo measurement and physiological role. *J. Invest. Med.* 43: 104A, 1995.
14. Tseng YT, Waschek JA, Padbury JF. Transcription initiation localized to a TATAless region in the ovine β 1 adrenergic receptor gene. *Pediatr. Res.* 37: 72A, 1995.
15. Padbury JF, Tseng YT, Bzoskie L, Blount L, Kashiwai K, McGonnigal B. Ovine placental norepinephrine transporter: development, cloning and regulation. *FASEB J.* 10: A82, 1996.
16. Tseng YT, McGonnigal B, Waschek JA, Padbury JF. Promoter functional analysis of the ovine β 1-adrenergic receptor gene. *FASEB J.* 10: A417, 1996.
17. Bzoskie L, Yen J, Tseng YT, Blount L, Kashiwa K, Padbury JF. Placental norepinephrine transporter: expression of regulation. *Pediatr. Res.* 39: 58A, 1996.
18. Padbury JF, Tseng YT, McGonnigal B. Functional analysis of the ovine β 1AR gene promoter. *Pediatr. Res.* 39: 65A, 1996.
19. Padbury JF, Tseng YT, McGonnigal B, Stephan M, Rudnick G. Ovine placental serotonin transporter (oSERT): cloning and expression. *Society of Neuroscience* 22 (1): 381, 1996.
20. Tseng YT, McGonnigal B, Padbury JF. Characterization of a glucocorticoid response element (GRE) in the ovine β 1-adrenergic receptor (β 1AR) gene promoter. *FASEB J.* 11: A552, 1997.
21. Tseng YT, Stabila J, McGonnigal B, Nguyen TT, Padbury JF. Glucocorticoid response element (GRE) characterization in the ovine β 1-adrenergic receptor (β 1AR) gene promoter. *FASEB J.* 12: A472, 1998.
22. Nguyen TT, McGonnigal BG, Stabila JP, Tseng YT, Padbury JF. β -Adrenergic receptors regulate transporter dependent uptake in SK-N-SH cells. *Society for Neuroscience* 24: 861, 1998.
23. Tseng YT, Stabila JB, McGonnigal BG, Nguyen TT, Padbury JF. An inverted cAMP response element mediates the cAMP induction of the ovine β 1-adrenergic receptor gene. *Society for Neuroscience* 24: 597, 1998.

24. Nguyen TT, McGonnigal BG, Stabila JP, Tseng YT, Padbury JF. Modulation of norepinephrine transport activity by G-protein coupled receptor kinases and beta-arrestin. *Society for Neuroscience* 25: 1963, 1999.
25. Li G, Nguyen TT, McGonnigal BG, Stabila JP, Tseng YT, Padbury JF. Role of β -arrestin and G-protein coupled receptor kinases in regulation of serotonin uptake. *Society for Neuroscience* 25: 1702, 1999.
26. Tseng YT, Stabila JP, Nguyen TT, McGonnigal B, Waschek JA, Padbury JF. Involvement of Myc/Max proteins in glucocorticoid-mediated β 1-adrenergic receptor (β 1AR) gene activation. *Society for Neuroscience* 25: 1752, 1999.
27. McNab TC, Tseng YT, Stabila JP, McGonnigal B, Padbury JF. Liganded and unliganded steroid hormone receptor modulation of β 1-adrenergic receptor gene transcription. *Pediatr. Res.* 45: 57A, 1999.
28. Kopel R, Tseng YT, Stabila JP, McGonnigal B, Nguyen TT, Padbury JF. Regulation of cardiac growth by β -adrenergic receptor (β AR). *Society for Neuroscience* 26: 116, 45.15, 2000.
29. Padbury JF, McGonnigal B, Tseng YT, Stabila J, Nguyen T. Cloning, expression and sequence analysis of the rat norepinephrine transporter promoter. *Society for Neuroscience* 26: 814, 306.10, 2000.
30. Nguyen TT, McGonnigal BG, Li G, Stabila JP, Tseng YT, Padbury JF. G-protein coupled-receptor kinase and β -arrestin modulate norepinephrine and serotonin transporter. *Society for Neuroscience* 26: 1173, 439.14, 2000.
31. Tseng YT, Kopel R, Stabila JP, Nguyen TT, McGonnigal B, Padbury JF. Regulation of cardiac growth by β -adrenergic receptor (β AR). *FASEB J* 15: A476, 2001.
32. Tseng YT, Kopel R, Stabila JP, McGonnigal B, Nguyen TT, Padbury JF. The roles of the β -adrenergic receptor on cardiac growth regulation. *The 9th SCBA International Symposium-Frontiers of Biotechnology & Biomedical Science in the New Millennium*. Taipei, Taiwan, POS18-B-17, 2001.
33. Padbury JF, McGonnigal B, Tseng YT, Nguyen T, Stabila J. Cloning and sequence analysis of the rat norepinephrine transporter promoter *FASEB J* 15: A435, 2001.
34. Padbury JF, McGonnigal B, Tseng YT, Nguyen T, Stabila J. Cloning, expression and sequence analysis of the rat norepinephrine transporter promoter. *Pediatr. Res.* 49: 451A,

- 2001.
35. Padbury JF, Kopel R, Tseng YT, Stabila JP, McGonnigal B, Nguyen TT. Regulation of cardiac growth by β -adrenergic receptors and p70S6 kinase. *Pediatr. Res.* 49: 30A, 2001.
 36. Wadhawan R, Tseng YT, Stabila J, McGonnigal B, Sarkar S, Rubin L, Padbury JF. The role of c-myc in regulation of β 1AR transcription rate during the developmental transition in cardiac growth. *FASEB J* 16: 125.19, 2002.
 37. Tseng YT, Rojan A, Stabila JP, Wadhawan R, McGonnigal BG, Padbury JF. Ontogeny of the p70 ribosomal protein S6 kinase in the developing heart. *FASEB J* 16: 450.5, 2002.
 38. Wadhawan R, Tseng YT, Stabila J, McGonnigal B, Sarkar S, Rubin L, Padbury JF. The role of c-myc in regulation of β 1AR transcription rate during the developmental transition in cardiac growth. *Ped. Res.* 51(4): 33A, 2002.
 39. Kuzniar M, McGonnigal BG, Stabila J, Tseng Y-T, Wadhawan R, Thompson N, Padbury JF. LAT-1 expression in early embryonic development: role in nutrient regulation and implantation. *FASEB J.* 17 (4): 127.3, 2003.
 40. Wadhawan R, Tseng YT, Stabila JP, McGonnigal B, Sarkar S, Padbury JF. Developmental regulation of cardiac β 1AR transcription. *FASEB J.* 17 (4): 344.14, 2003.
 41. Tseng YT, Rojan A, Stabila JP, Wadhawan R, McGonnigal BG, Padbury JF. Involvement of the β 1-adrenergic receptor (β 1AR) in the regulation of neonatal cardiomyocyte proliferation. *FASEB J.* 17 (4): 344.4, 2003.
 42. Tseng YT, Rojan A, Stabila JP, McGonnigal BG, Wadhawan R, Padbury JF. PI3K/p70S6K signaling pathway and regulation of cardiomyocyte proliferation: role of the β -adrenergic receptors (β AR). *FASEB J* 18: 3198, 2004.
 43. Wadhawan R, Tseng Y-T, McGonnigal B, Stabila J, Kuzniar M, Padbury J. Mechanical stretch induces upregulation of β 1 adrenergic receptors (β 1AR) gene in neonatal rat cardiomyocytes. *FASEB J* 18: 3152, 2004.
 44. Wadhawan R, Tseng Y-T, McGonnigal B, Stabila J, Kuzniar M, Padbury J. Mechanical stretch induces upregulation of β 1 adrenergic receptors (β 1AR) gene in neonatal rat cardiomyocytes. *Pediatr. Res.* 55 (4): 547, 2004.
 45. Tseng YT, Rojan A, Stabila JP, McGonnigal BG, Wadhawan R, Padbury JF. Ontogeny of PI3K/p70S6K signaling pathway and β -adrenergic receptors (β AR) regulation of cardiomyocyte proliferation. *Pediatr. Res.* 55 (4): 546, 2004.

46. Yano N, Ianus V, Tsang M, McGonnigal BG, Wadhawan R, Padbury JF, Tseng YT. Effects of β -adrenergic receptor (β AR) stimulation on expression of PI3K signaling in rat heart. COBRE CCRD Res. Symposium A30, 2004.
47. Wadhawan R, Tseng Y-T, McGonnigal B, Stabila J, Kuzniar M, Padbury J. Mechanical stretch induces upregulation of β 1 adrenergic receptors gene in neonatal rat cardiomyocytes. COBRE CCRD Res. Symposium A31, 2004.
48. Tseng YT, Rojan A, Stabila JP, McGonnigal BG, Wadhawan R, Padbury JF. Ontogenesis of the phosphoinositide 3-kinase (pi3k) signaling in the developing heart. The 10th SCBA International Symposium, Beijing, China, P1-09-23, 2004.
49. Naohiro Yano, Melissa Tsang, Vlad Ianus, and Yi-Tang Tseng. Effects of β -adrenergic receptors (β AR) stimulation on PI3K signaling pathway during cardiac development. Hood Foundation Symposium, Boston, MA, 2004
50. Tseng Y-T, Yano N, Stabila JP, McGonnigal BG, Wadhawan R, Padbury JF. Expression of PI3K signaling during cardiac development: involvement of the β -adrenergic receptors (β AR). Society for Neuroscience 539.7, 2004.
51. Ianus V, Yano N, Stabila J, McGonnical B, Tseng YT, and Padbury J. β -Adrenergic receptor signaling and fetal cardiomyocyte proliferation. 66th Perinatal Developmental Medicine Symposium, Aspen, Colorado, 2005.
52. Tseng Y-T, Yano N, Ianus V, Tsang M, Padbury J. Effects of β AR stimulation on PI3K/p70S6K signaling pathway during cardiac development. FASEB J 19: 136.12, 2005.
53. Zhao T, Cheng GM, Tseng Y, Padbury J. Inhibition of II histone deacetylases increases the resistance to myocardial ischemia in mouse heart. Circulation 112 (17): 1161, 2005.
54. Tseng Y-T, Yano N, Ianus V, Cathers A, Zhao TC, Padbury JF. Engineering of a transgenic mouse line with cardiac-specific conditional overexpression of PI3K. FASEB J 20: 212.11, 2006.
55. Zhao TC, Yang M, Tseng A, Tseng Y-T, Davol PA, Lum LG, Padbury JF. Targeting of human CD34(+) hematopoietic stem cells with myosin light chain preserves cardiac function in chronic infarcted mouse heart. FASEB J 20: 468.6, 2006.
56. Ianus VD, Yano N, Zhao T, Padbury JF, Tseng Y-T. β -Adrenergic receptors (β AR) regulate the proliferation of H9c2 rat fetal cardiomyocytes. FASEB J 20: 784.1, 2006.

INVITED PRESENTATIONS

1. Mead Johnson Nutrition New England Pediatric Symposium. Chatham, MA, 1996.
2. University of Mississippi Medical Center, Department of Pharmacology and Toxicology, Jackson, MS, April, 1997.
3. Pediatric Research Colloquium. Rhode Island Hospital, Providence, RI 1997.
4. Mead Johnson Nutrition New England Pediatric Symposium. Chatham, MA, 1999.
5. Lifespan Basic Science Research Seminar Series. Rhode Island Hospital, Providence, RI 2000.
6. Pediatric Research Colloquium. The β 1-adrenergic receptor: gene expression and possible developmental roles. Providence, RI 2001.
7. National Taiwan University, Department of Neurology/Pharmacology, Taipei, Taiwan, August, 2001.
8. Mead Johnson New England Pediatric Symposium. Ontogeny of ribosomal p70 S6K & PI3K in the developing heart. Chatham, MA, 2002.
9. Pediatric Research Colloquium. The β 1-adrenergic receptor: “gene expression and other functions”. Providence, RI, 2003.
10. School of Life Science and Technology, Beijing Institute of Technology, Beijing, China, Gene Regulation of β -Adrenergic Receptors and its Roles in Cardiac Growth. July, 2004.
11. Pediatric Research Colloquium. PI3K Signaling During Cardiac Development. Providence, RI, 2004.
12. Pediatric Research Colloquium. PI3K Signaling and Cardiac Development. Providence, RI, 2005.

GRANTS

1. American Heart Association, Greater Los Angeles Affiliate
Postdoctoral Research Fellowship Award
1995-1997, Principle Investigator (declined)
2. NICHD Program Project PO1, 1996 –2001
Program Director: James F. Padbury
The Biological Basis for Perinatal Transition
Project III, Developmental Regulation of the β 1-Adrenergic Receptor Gene
Role: Co-investigator
Director of Molecular Biology Core
Direct cost: \$660,720
3. Charles Hood Foundation, Child Health Research Grant
01/01/2002-12/31/2003
Mechanisms of Glucocorticoid-Induced Hypertrophy in the Developing Heart
Role: Principle Investigator
Total cost: \$100,000
4. NIH COBRE for Perinatal Biology
1 P20 RR018728-01, 10/01/2003-09/30/2008
Program Director: James F. Padbury
Project II, Signaling Pathways Regulating Cardiomyocyte Proliferation
Role: Principal Investigator
Direct cost: \$581,213