

JEANNINE L. GINGRAS, M.D.
Curriculum Vitae

PRESENT PROFESSIONAL AFFILIATION:

President

Gingras Sleep Medicine, PA

Medical Director

*SleepWell Sleep Center
Suite 120, 10716 Carmel Commons Blvd
Charlotte, NC 28226*

Adjunct Associate Professor

*University of North Carolina-Charlotte
Department of Psychology
Charlotte, NC*

MEDICAL LICENSURE:

North Carolina Medical License #27192
National Board of Medical Examiners
South Carolina Medical License # 32070
Resident's Trainee License, State of North Carolina

SPECIALTY CERTIFICATION AND DATES:

Diplomate in Sleep Medicine, American Board of Pediatrics, #22, November, 2007
Diplomate, American Board of Sleep Medicine, #1775, April 8, 2002
Fellow, American Association of Sleep Medicine (FAASM), August, 2002
Diplomate, American Board of Pediatrics, #29309, November 13, 1983
Diplomate, Sub-Board of Neonatal-Perinatal Medicine, #1172, November 28, 1983

CITIZEN: United States of America

| EDUCATION: | DATE | DEGREE |
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| <i>High School</i> | | |
| Holy Rosary High School, Rochester, NH | 1966 | HS Diploma |
| <i>College</i> | | |
| Notre Dame College, Manchester, NH | 1970 | B.A. Magna Cum Laude |
| <i>Graduate and Professional Schools</i> | | |
| Indiana University, Bloomington, IN | 9/1970-8/1973 | M.A. Zoology |
| Indiana University, Bloomington, IN | 9/1973-6/1975 | M.S. Pharmacology |
| University of Vermont School of Medicine, Burlington, VT | 9/1975-5/1978 | M.D. |

SCHOLARLY AND PROFESSIONAL SOCIETIES:

- American Sleep Disorders Association
- Charlotte Independent Physicians
- Charlotte Pediatric Society
- Society for Pediatric Research (Emeritus)
- Mecklenburg Medical Society

PROFESSIONAL TRAINING AND ACADEMIC CAREER:

Professional Training

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| 2006 | Advanced Sleep Medicine Course, American Academy of Sleep Medicine, La Jolla, Ca |
| 2001 | Sleep Medicine Review Course, The Atlanta School of Sleep Medicine, Atlanta, Ga |
| 1997 | Pediatric Sleep Medicine Course, The School of Sleep Medicine, Palo Alto, California |
| 1983-1984 | Research Fellow in Pediatrics, University of North Carolina School of Medicine, Chapel Hill, North Carolina |
| 1981-1983 | Postdoctoral Fellow in Neonatology, North Carolina Memorial, Hospital, Chapel Hill, North Carolina |
| 1980-1981 | Resident, North Carolina Memorial Hospital, Chapel Hill, North Carolina |
| 1978-1979 | Intern in Pediatrics, North Carolina Memorial Hospital, Chapel Hill, NC |

Academic Career

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|----------------|--|
| 5/2010-present | Gingras Sleep Medicine, PA-President |
| 6/2010-present | Medical Director, SleepWell Diagnostic and Treatment Center |
| 3/2004-5/2010 | Medical Director, United Sleep Medicine Centers, Charlotte, North Carolina |
| 9/1999-5/2010 | Director, Infant and Child Division, United Sleep Medicine Centers, Charlotte, North Carolina |
| 1999-present | Adjunct Associate Professor, Department of Psychology, University of North Carolina-Charlotte, Charlotte, North Carolina |
| 1995 -1998 | Research Associate Professor, Department of Pediatrics, UNC School of Medicine University of North Carolina, Chapel Hill, North Carolina |
| 1995 - 1998 | Associate Neonatologist, Department of Pediatrics, Carolinas Medical Center, Charlotte, North Carolina |

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| 1995 - 1998 | Director, Carolinas SIDS <i>C.A.R.E.</i> (Clinical and Research, Education) Center, Carolinas Medical Center, Charlotte, North Carolina |
| 1995 -1998 | Medical Director, Pediatric Apnea and Sleep Physiology Laboratory, Carolinas Medical Center, Charlotte, North Carolina |
| 1995-1998 | Medical Director, Neonatal and Infant Apnea Program, Carolinas Medical Center, Charlotte, NC |
| 1995 | Consultant, Department of Pediatrics, Duke University Medical Center, Durham, North Carolina |
| 1991 - 1994 | Co-Director, Transitional Care Nursery, Duke University Medical Center, Durham, North Carolina |
| 1984 - 1995 | Assistant Professor of Pediatrics, Duke University School of Medicine, Durham, North Carolina |
| 1992 - 1994 | Director, Neonatal Nurse Practitioners Practice, Duke University Medical Center, Durham, North Carolina |
| 1986 - 1990 | Pediatric Medical Advisor, Respiratory Care Services, Duke University Medical Center, Durham, North Carolina |
| 1983 - 1984 | Instructor in Pediatrics, University of North Carolina School of Medicine, Chapel Hill, North Carolina |
| 1983 - 1984 | Appointment to Medical Staff, Clinical Assistant Neonatologist, Wake County Medical Center, Raleigh, North Carolina |
| 1971 - 1975 | Research Assistant, Department of Pharmacology, Indiana University, Bloomington, Indiana |
| 1970 - 1971 | Teaching Assistant, Department of Zoology, Indiana University, Bloomington, Indiana |
| 6/71-8/71 | Research Assistant, Cornell Agriculture Station, Geneva, NY |

PUBLICATIONS:

Referred Journals:

- ◆ Gingras-Leatherman JL, McNamara MC, Hong JS, Lawson EE. Development of Methionine-Enkephalin in Micro-dissected Areas of the Rabbit Brain. *Brain Res.* 336:73-80, 1985.
- ◆ Gingras-Leatherman JL, McNamara MC, Lawson, EE. Age Dependent Influence of Hypoxia on Methionine-Enkephalin Concentration within Rabbit Brainstem Nuclei *Pediatr Res.* 20:655-657, 1986.
- ◆ Gowen CW, Lawson EE, Gingras-Leatherman JL, Gatzky JT, Boucher RC, Knowles MR. Increased Nasal Potential Difference and Amiloride Sensitivity in Neonates with Cystic fibrosis. *J Pediatr* 108:517-521, 1986.
- ◆ McNamara MC, Gingras-Leatherman JL, Lawson EE. Effect of Hypoxia on Brainstem Concentration of Biogenic Amines in Postnatal Rabbits. *Dev Brain Research* 25:253-258, 1986.
- ◆ Gingras JL, Long WA. Chronic Maternal Hypoxia: Effect of Mid-Gestational Maternal Hypoxia on Methionine-Enkephalin Concentrations within Pre and Postnatal Rabbit Brainstem Regions. *Dev Neurosci* 10:180-189, 1988.
- ◆ Gowen CW, Lawson EE, Gingras JL, Boucher RC, Gatzky JT, Knowles MR. Electrical Potential Difference and Ion Transport Across Nasal Epithelium of Term Neonates: Correlation with Mode of Delivery, Transient Tachypnea of the Newborn, and Respiratory Rate. *J Pediatr* 113:121-127, 1988.

- ◆ Gingras JL, Brunner SL, and McNamara MC. Developmental Characteristics of Substance P Immunoreactivity within Specific Rabbit Brainstem Nuclei. *Regul Pept* 23:183-192, 1988.
- ◆ Gingras JL, McNamara MC, Lawson EE. Development of Daily Variations in Methionine Enkephalin within Rabbit Brainstem Regions. *J Dev Physiol* 11:335-341, 1989.
- ◆ Hume RF, O'Donnell K, Stanger C, Killam A, Gingras JL. In Utero Cocaine Exposure: Observations of Fetal Behavioral State May Predict Neonatal Outcome. *South Med J*: 83:837-838, 1990.
- ◆ Gingras JL, Lawson EE, McNamara MC. Developmental Characteristics in the Daily Rhythm of Serotonin Concentration within Rabbit Brainstem Regions. *Dev Pharmacol Ther* 14:245-253, 1990.
- ◆ Gingras J, O'Donnell K, Hume R. Maternal Cocaine Addiction and Fetal Behavioral State. I: A Human Model for the Study of Sudden Infant Death Syndrome. *Medical Hypotheses* 33:227-230, 1990.
- ◆ Gingras JL, Weese-Mayer DA. Maternal Cocaine Addiction. II: An Animal Model for the Study of Brainstem Mechanisms Operative in Sudden Infant Death Syndrome. *Medical Hypotheses* 33:231-234, 1990.
- ◆ Weese-Mayer DE, Klemka-Walden LM, Chan MK, Gingras JL. Effects of Prenatal Cocaine Exposure on Perinatal Morbidity and Postnatal Growth in a Rabbit Model. *Dev Pharmacol Ther* 16:221-230, 1991.
- ◆ Gingras JL, Weese-Mayer DE, Hume RF, Jr., O'Donnell KJ. Cocaine and Development: Mechanisms of Fetal Toxicity and Neonatal Consequences. *Early Human Development* 31:1-24, 1992.
- ◆ Weese-Mayer DE, Klemka-Walden LM, Barkov GA, Gingras JL. Effect of Prenatal Cocaine on the Ventilatory Response to Hypoxia in Newborn Rabbits. *Dev Pharmacol Ther* 18:115-124, 1992.
- ◆ Gingras JL, Weese-Mayer DE, Dalley LB, Klemka-Walden LM. Prenatal Cocaine Exposure Alters Postnatal Ornithine Decarboxylase Activity in Rabbit Brain. *Biochem Med Metabol Biol* 50(3):284-291, 1993.
- ◆ Gingras JL, Muelenaer AA, Dalley LB, O'Donnell KJ. Prenatal Cocaine Exposure Alters Postnatal Hypoxic Arousal Responses and Hypercarbic Ventilatory Responses but not Pneumocardiograms in Prenatally Cocaine-Exposed Term Infants. *Pediatr Pulmonol* 18:13-20, 1994.
- ◆ Hume RF, Gingras JL, Hertzberg BS, Martin LS, Hertzberg BS, O'Donnell K, Killam AP. Ultrasound Diagnosis of Fetal Anomalies Associated with In Utero Cocaine Exposure: Further Support for Cocaine-Induced Vascular Disruption Teratogenesis. *Fetal Diagn Ther* 9:239-245, 1994.
- ◆ Burke M, Walsh J, Oehler J, Gingras J. Music Therapy Following Suctioning: Four Case Studies. *Neonatal Network* 14:41-49, 1995.
- ◆ Gingras JL, Lawson EE, McNamara MC. Ontogeny of Dopamine Daily Rhythms within Rabbit Brainstem. *Biol Neonate* 67:287-294, 1995.
- ◆ Gingras JL, Feibel J, Dalley LB, Knight C. Maternal Polydrug Use Including Cocaine and Postnatal Infant Sleep Architecture: Preliminary Observations and Implications for Respiratory Control and Behavior. *Early Human Development* 43:197-204, 1995.

- ◆ Gingras JL, Long WA, Segreti T, Wasserstein MA. Pre- and Postnatal Effects of Chronic Maternal Hypoxia on Substance P Immunoreactivity in Postnatal Rabbit Brainstem Regions. *Dev. Neuroscience* 17:350-356, 1995.
- ◆ Gingras JL, Lawson EE, McNamara MC. Developmental Characteristics in the Daily Rhythm of Norepinephrine Concentration within Rabbit Brainstem Regions. *Reprod Fertil Dev* 8:189-194, 1996.
- ◆ Cutler AR, Wilkerson AE, Gingras JL, Levin, ED. Prenatal Cocaine and Nicotine Exposure in Rats: Effects on Long Term Cognitive Outcome and Genitalia Development at Birth. *Teratology and Neurotoxicology* 18(3):1-9, 1996.
- ◆ Hepburn MJ, Little PJ, Gingras JL, Kuhn CM. Differential Effects of Naltrindole on Morphine-Induced Tolerance and Physical Dependence in Rats. *Journal of Pharmacology and Experimental Therapeutics* 281:1350-1356, 1997.
- ◆ Gingras JL and O'Donnell JK. State Control in the Fetus and Newborn: I. The *Fetal Neurobehavioral Profile*: An Assessment of Fetal State, Arousal, and Regulation Competency. *Annals of the New York Academy of Sciences*, 846:262-276, 1998.
- ◆ Moon R, Gingras, JL, Erwin, R. Physician Practices and Beliefs about Sudden Infant Death Syndrome. *Clinical Pediatrics* 4 (6): 391-395, 2002.
- ◆ Gingras, JL, EA Mitchell, KJ Grattan, AW Stewart. Effects of Maternal Cigarette Smoking and Cocaine Use in Pregnancy on Fetal Response to Vibroacoustic Stimulation and Habituation. *Acta Paediatrica*: 93: 1479-85, 2004
- ◆ Gaultney, JF and Gingras, JL. Fetal Rate of Behavioral Habituation and Preference for Novelty during Infancy. *Early Human Development*: 81 (4): 379-378, 2005.
- ◆ Gaultney, JG, Terrell, D, Gingras JL. Parent-reported Periodic Limb Movement, Sleep Disordered Breathing, Bedtime Resistance Behaviors, and ADHD. *Behavioral Sleep Medicine*: 3(1), 32-43, 2005.
- ◆ Gaultney, JF, Gingras, JL, Martin, M, DeBrule, D. The Impact of Prenatal Exposure to Cocaine on a Measure of Attention. 2005. *J. of Genetic Psychology*. 166(4): 385-406, 2005.
- ◆ Gingras, JL, Mitchell, E, Grattan, K. Fetal Homologue of Infant Cry. *Archives of Diseases in Childhood. Fetal Neonatal Ed.* 90 F415-F418, 2005.
- ◆ Zeskind, PS, Gingras, JL. Maternal Cigarette-Smoking During Pregnancy Disrupts Rhythms in Fetal Heart Rate. *J. of Pediatric Psychology* 6: 1-10, 2006.
- ◆ Gaultney, J.F., Merchant, K. & Gingras, J.L. Children with PLMD display more behavioral problems than children with SDB: The Importance of Using Clinical Diagnosis to Define Study Groups. *Behavioral Sleep Medicine*, 7(3): 1-17, 2009.

Chapters in Books:

Lawson EE, Long WA, Gingras-Leatherman JL, McNamara MC. "Hypoxia and Endogenous Neurotransmitters in Newborns" in Neurogenesis of Central Respiratory Rhythm: Electrophysiological, Pharmacological, and Clinical Aspects. Bianchi AL and Denavit-Saubie M. (eds), MTP Press Limited, pp 422-430, 1985.

Burke M, Walsh J, Oehler J, Gingras J. "A Comparison of Auditory and Vibratory Stimulation on Stress-Related Responses of Premature Infants with Bronchopulmonary Dysplasia" in Wigram T, Dileo C (eds). Music Vibration and Health. Jeffrey Books, 1997.

Gingras, J.L. & Gaultney, J.F. "Restless Legs Syndrome and Periodic Limb Movement Disorders in Children: Association with ADHD" in Sleep and Psychiatric Disorders in Children and Adolescents. A Ivanenko (ed.), New York: Informa Healthcare, pp193-224, 2009

Selected Abstracts Presented at National Meetings:

1. Gingras JL, Maickel RP, Webb RW. The Lack of Correlation of Anorexigenic and stimulatory Effects of Amphetamine. *The Pharmacologist* 15(2) 218, Abstract #331, 1973.
- Podium presentation, American Society for Pharmacology and Experimental Therapeutics, Spring 1973.
2. Gingras-Leatherman JL, Lawson EE, McNamara MC. Methionine-enkephalin Concentration in Rabbit Brainstem Nuclei. *Pediatr Res* 17(4):132A, Abstract #276, 1983.
- Podium presentation, Society for Pediatric Research, May 1983, Washington, DC.
3. Gingras-Leatherman JL, Lawson EE, McNamara MC. Ontogenesis of Methionine-Enkephalin in Respiratory and Non-Respiratory Rabbit Brain Nuclei. *Clin Res* 31(2):905A, 1983.
- Podium presentation, Southern Society for Pediatric Research, January 1984.
4. Gingras-Leatherman JL, McNamara MC, Hong JS, Lawson EE. Ontogenesis of Methionine-Enkephalin in Respiratory and Non-Respiratory Rabbit Brain Nuclei.
- Poster presentation, International Symposium on Neurogenesis of Central Respiratory Rhythm: Electrophysiological, Pharmacological and Pathological Aspects, Isle de Bandol, France, 1984.
5. Gingras-Leatherman, JL, McNamara MC, Lawson EE. Effect of Hypoxia on Brainstem Biogenic Amines. *Pediatr Res* 18(4):138A, Abstract #257, 1984.
- Podium presentation, Society for Pediatric Research, April 1984, San Francisco, CA.
6. McNamara MC, Gingras-Leatherman JL, Lawson EE. The Effect of Postnatal Hypoxia on Biogenic Amines in the Brainstem Nuclei of Neonatal and Older Rabbits. *Society for Neuroscience Abstracts* 10:67, Abstract #23.11, 1984.
- Poster presentation, Society for Neuroscience, November 1984.
7. Gowen CW, Gingras-Leatherman JL, Lawson EE, Boucher RC, Knowles MR. Nasal electric Potential Difference and Response to Amiloride Super-fusion in Neonates. *The Physiologist* 27(4):277, Abstract #55.4, 1984.
- Poster presentation, The American Physiological Society, Fall Meeting, 1984.
8. Lawson EE, Long WA, Gingras-Leatherman JL, McNamara MC. Influence of Endogenous Opiates on the Control of Breathing in Newborns during Hypoxia and Reflex Induced Apnea.
- Invited presentation, The International Symposium on Neurogenesis of Central Respiratory

- Rhythm: Electrophysiological, Pharmacological and Pathological Aspects, Isle De Bandol, France, 1984.
9. Gingras-Leatherman JL, McNamara MC, Lawson EE. The Effect of Hypoxia on Neurotransmitter Concentration within Rabbit Brainstem Nuclei. *Am Rev Respir Dis* 131(2):A290, 1985.
- Poster presentation, American Thoracic Society National Meetings, Anaheim, CA, Spring 1985.
 10. Gingras-Leatherman JL, McNamara MC, Lawson EE. Age-Specific Sensitivity to Hypoxia on Methionine-Enkephalin Concentration within Brainstem Nuclei. *Pediatr Res* 19(4):155A, Abstract #265, 1985.
- Podium presentation, Society for Pediatric Research, May 1985, Washington, DC.
 11. Gowen CW, Jr., Lawson EE, Gingras-Leatherman JL, Boucher RC, Knowles MR. Nasal Electric Potential Difference and Response to Amiloride Superfusion in Neonates. *Pediatr Res* 19(4):344A, Abstract #1399, 1985.
- Podium presentation, Society for Pediatric Research, May 1985, Washington, DC.
 12. Gowen CW, Jr., Lawson EE, Gingras-Leatherman JL, Boucher RC, Knowles MR. Increased Nasal Potential Difference and Amiloride Sensitivity in Neonates with Cystic Fibrosis. *Pediatr Res* 19(4):405A, Abstract #1767, 1985.
- Podium presentation, Society for Pediatric Research, May 1985, Washington, DC.
 13. Gingras-Leatherman JL, McNamara MC, Lawson EE. Development of Circadian Rhythm for Methionine-Enkephalin in Rabbit Brainstem Regions. *Pediatr Res* 20(4):187A, Abstract #210, 1986.
- Podium presentation, Society for Pediatric Research, May 1986, Washington, DC.
 14. McNamara MC, Leatherman JL, Lawson EE. Developmental Characteristic of the Circadian Rhythms of the Biogenic Amines NE, DA, and 5-HT in Rabbit Brainstem. *Society for Neuroscience Abstracts* 12:552, Abstract #148.13, 1986.
- Poster presentation, Society for Neuroscience, November 1986.
 15. Gowen CW, Jr., Lawson EE, Gingras JL, Boucher, RC, Knowles, MR. Electrical Potential Difference Across Nasal Epithelium of Healthy Term Neonates. *Clin Res* 35:81A, 1987.
- Presented to Southern Society for Pediatric Research, January 1987.
 16. Gingras J and Long W. Chronic Maternal Third Trimester Hypoxia on Methionine-Enkephalin Levels in Preterm Rabbit Brainstem. *Pediatr Res* 21(4):213A, Abstract #245, 1987.
- Poster presentation, Society for Pediatric Research, April 1987.
 17. Gowen CW, Lawson EE, Gingras JL, Knowles MR. Effect of Labor on Nasal Potential Difference of Healthy Term Neonates. *Pediatr Res* 21 (4):453A, Abstract #1676, 1987.
- Poster presentation, Society for Pediatric Research, April 1987.
 18. Gingras JL, Long W. The Effect of In Utero Hypoxia on Methionine-Enkephalin Concentration within Brainstem Regions of Prenatal and Postnatal Animal. *Am Rev Respir Dis* 135:276A, 1987.
- Poster presentation: American Thoracic Society National meeting, New Orleans, LA, 1987.
C. Poster presentation: APS/SPR, Albuquerque, NM, 1987.
 19. Gingras JL. Ontogeny of Substance P in Micro-Dissected Brainstem Nuclei. *Society for Neuroscience Abstracts* 13:1276, Abstract #355.5, 1987.
- Poster presentation, Society for Neuroscience National Meeting, November 1987.

20. Gingras JL, Rigual, R, Unsworth C, Viveros OH, Long WA. Maternal Hypoxia Alters Total Opioid Activity and Native Enkephalin but not Catecholamine Levels in Pre- and Postnatal Rabbit Pup Adrenal Medulla. Society for Neuroscience Abstracts 14:1320, Abstract #528.2, 1988.
- Poster presentation, Society for Neuroscience National Meeting, November 1988.
- Poster presentation, APS/SPR , Albuquerque, NM, 1988.
21. Gingras, JL. Developmental Characteristics of Substance P Within Specific Rabbit Brainstem Nuclei. APS/SPR Abstracts, Abstract #10679, 1988.
- Poster presentation, APS/SPR, Albuquerque, NM, 1988.
22. Gingras JL, Hume R, O'Donnell K. In Utero Cocaine Exposure: Disruption of Fetal and Neonatal States Organization. Clin Res 37(1):66A, 1989. Southern Society for Pediatric Research.
- Poster presentation, February 1989 and Pediatr Res 25:225A, Abstract #1332, 1989.
- Poster symposium, Society for Pediatric Research, May 1989.
23. Gingras J, Long W, Brunner S, Wasserstein M. Pre and Postnatal Effects of Inutero Hypoxia on Substance P Immunoreactivity in Rabbit Brainstem Regions. Pediatr Res 25:51A, Abstract #291, 1989.
- Podium presentation, Society for Pediatric Research, May 1989.
24. Gingras JL, Hume RF, O'Donnell KJ, Stanger C. Atypical Fetal Breathing Patterns Associated with In Utero Cocaine Exposure. Society for Neuroscience Abstracts 15:254, Abstract #104.12, 1989.
- Poster presentation, Society for Neuroscience, October 1989.
25. Weese-Mayer DE, Kelmka-Walden LM, Gingras JL. Effect of Chronic In Utero Cocaine Administration on the Hypoxic Ventilatory Response in the Rabbit Pup. Pediatr Res 27:56A, Abstract #320, 1990.
- Symposium presentation: Society for Pediatric Research, May 1990.
- Presented to American Thoracic Society, Spring 1990.
26. Weese-Mayer DE, Klemka-Walden LM, Gingras JL. Effect of Chronic In Utero Cocaine Administration on Neonatal Growth and Mortality in a Rabbit Model. Pediatr Res 27:70A, Abstract #404, 1990.
- Symposium presentation, Society for Pediatric Research, May 1990.
- Presented to American Thoracic Society, Spring 1990.
27. O'Donnell KJ, Hume RF, Stanger CE, Gingras JL. Antenatal Diagnosis of Structural and Functional Abnormalities with In Utero Cocaine Exposure.
- Podium presentation: 7th International Conference on Infant Studies (ICIS), April 1990.
28. Karmel BZ, O'Donnell KJ, Gardner JM, Field TM, Griffith DR, Gingras JL, Chasnoff IJ. Cocaine Exposure: Neurofunctional Consequences for the Fetus and Infant.
- Podium presentation: 7th International Conference on Infant Studies (ICIS), April, 1990.
29. Muelenaer A, Gingras J, McAdams L, O'Donnell K, Dalley L. In Utero Cocaine Exposure Alters Postnatal Hypoxic Arousal and Ventilatory Response to Carbon Dioxide, but not Pneumograms. Pediatr Res 29:326A Abstract #1937, 1991.
- Poster presentation, Society for Pediatric Research, April 1991.
30. Gingras J, Weese-Mayer D, Klemka-Walden L, Dalley L. Postnatal Brainstem Methionine-Enkephalin Immunoreactivity and Ornithine Decarboxylase Activity in Rabbit Pups Exposed in

- Utero to Cocaine. *Pediatr Res* 29:42A, Abstract #237, 1991.
 - Poster presentation, Society for Pediatric Research, April 1991.
31. Gingras JL, Muelenaer AA, Knight CG, McAdams LC, O'Donnell KJ, Dalley LB. In Utero Cocaine Exposure Alters Postnatal Sleep Maturation. *Pediatr Res* 29:358A, Abstract #2133, 1991.
 - Accepted for Publication: Society for Pediatric Research, April 1991.
 32. Walsh J, Bellamy M, Oehler J, Gingras J. Vibrotactile and Auditory Musical Intervention as a Means of Decreasing Agitation in the Critically Ill Preterm Infant: A Pilot Study.
 - Poster presentation: NANN (National Association on Neonatal Nursing) First International Research Symposium, March 1992.
 33. O'Donnell K, McAdams L, Auer C, Gingras J. Maternal Understanding of the Child vis a vis Self and High Risk Dyads.
 - Poster presentation: 8th International Conference for Infant Studies, (ICIS), May 1992.
 34. O'Donnell K, McAdams L, Watson E, Vaughn B, Gingras J, Georgi J, and Killiam A. Risk and Resiliency in Drug Exposed Infant-Mother Dyads.
 - Poster presentation, Paris Infancy Conference, June 1994.
 35. Gingras, J, Dalley L, Leatherman N. Prenatal Cocaine Exposure Affects Postnatal Ventilatory Response to Chemical Stimuli.
 - Poster presentation, American Thoracic Society, May 1995.
 36. Cutler AR, Wilkerson AE, Gingras JL, Levin ED. Prenatal Cocaine and Nicotine Exposure in Rats: Effects on Long Term Cognitive Outcome and Sexual Differentiation.
 - Poster presentation, Society for Pediatric Research, May 1995.
 37. Cutler AR, Wilkerson AE, Gingras JL, Levin ED. Prenatal Nicotine and Cocaine Exposure and Learning and Memory in Rats.
 - Poster presentation, Neurobehavioral Teratology Society, June 1995.
 38. Gingras JL, O'Connell K, Leatherman N, Donnelly K, Boyle M, Gibney E. Fetal Neurobehavioral Profile: A Measure of Fetal State and Arousal Competency. *Infant Behavior & Development* 19:473.
 - Poster presentation, 10th International Conference on Infant Studies (ICIS), Providence, RI, April 1996.
 39. Gingras JL, Donnelly K, Boyle MJ. Ontogeny of Respiratory Control in Three High Risk for SIDS Groups.
 - Accepted for poster presentation, American Thoracic Society, San Francisco, CA, May 1997.
 40. Gingras, State Control in the Fetus: Assessment of State, Arousal and Regulation Competency in Substance Exposed Fetuses.
 - Poster presentation, New York Academy of Science Conference, Washington DC, 9/1997.
 41. Zeskind PS, and Gingras, JL. Maternal Smoking During Pregnancy Disrupts Rhythmic Organization of Fetal Heart Rate. *Pediatric Pulmonology*: 28 (6), p. 461, 2000.
 - Poster presentation, International Conference on Infant Studies, (ICIS), April 1998.
 - Fifth SIDS International Conference, Rouen, France, May 1998.
 - Fetal and Neonatal Physiological Society Meeting, Lake Arrowhead, CA, September 1998.
 - Poster presentation; 18th Annual Conference on Sleep Disorders in Infancy and Childhood,

42. Zeskind PS, Gingras JL, Campbell KD, and Donnelly K. Prenatal Detection of Disrupted Arousal Regulation: Impact of Maternal Smoking During Pregnancy.
 - Poster presentation, Society of Developmental and Behavior Pediatrics, September 1998.
43. Gingras, JL, Boyle-Whitesel, M, Donnelly, K, McKim, K. Gestational Cocaine and Nicotine Alters the Development of the Hypoxic Arousal Response in Otherwise Healthy Infants: A mechanism of SIDS risk?
 - Podium presentation: Fifth SIDS International Conference, Rouen, France, May 1998.
44. Gingras, JL, Leatherman, N, Culter, A, Boyle-Whitesel, M, Levin, E. Altered Ventilatory Control after Prenatal Nicotine and/or Cocaine Exposure: Relationship to SIDS Risk.
 - Podium presentation: Fifth SIDS International Conference, Rouen, France, May 1998.
45. Gingras JL, Leatherman, NE, Cutler, ED, Levin. Nicotine and/or Cocaine Alters Postnatal Ventilatory Control in the Rat Pup Gestationally Exposed.
 - Podium presentation: Fetal and Neonatal Physiological Society Meeting, Lake Arrowhead, CA, September 1998
46. Gingras JL, Donnelly, KE, McKim K. Development of the Hypoxic Arousal Response in Healthy Infants: Impact of Maternal Cigarette Smoking and Cocaine Use During Pregnancy.
 - Poster presentation: Fetal and Neonatal Physiological Society Meeting, Lake Arrowhead, Ca, September 1998.
47. Gingras JL, Donnelly KE, McKim KJ, and Grisby J. Development of the Hypoxic Arousal Response in Healthy Infants: Impact of Maternal Cigarette Smoking and Cocaine Use during Pregnancy.
 - Poster presentation: Society for Pediatric Research, San Francisco, CA, 1-4 May 1999.
48. Gingras JL, Leatherman NE, Cutler AR, and Levin ED. Nicotine and/or Cocaine Alters the Ventilatory Control in the Rat Pup Gestationally Exposed.
 - Poster presentation: Society for Pediatric Research, San Francisco, CA, 1-4 May 1999.
49. Zeskind PS, Gingras JL, Campbell KD, and Donnelly K. Prenatal Cocaine Exposure Disrupts Fetal Autonomic Regulation.
 - Poster presentation, Society for Research in Child Development, Albuquerque, NM, April 1999.
50. Jordan Mindy L, Gaultney Jane F, Gingras Jeannine L, LaCount, Michelle L, and Bowers Jodi L. Visual Recognition Memory and Attentional Measures in Infants Prenatally Exposed to Cocaine, Nicotine, and SES Matched Controls.
 - Poster presentation, Society of Research in Child Development, Albuquerque, NM, April, 1999.
51. Donnelly KE, Gingras JL. Does the Fetus Cry? Ultrasound Observations of Fetal Behavioral States. *Pediatric Pulmonology* 28 (6) p. 461
 - Poster presentation: Fetal and Neonatal Society Meeting, Lake Arrowhead, CA, 9/1998
 - Poster presentation, 18th Annual Conference on Sleep Disorders in Infancy and Childhood, The Annenberg Center for Health Sciences at Eisenhower, Ca January 2000
52. Gingras JL, Erwin RJ, Chalavadi L, and Tremblay NJ. SIDS Risk Reduction Strategies: How Well Do Physicians Educate Patients? *Pediatric Pulmonology* 28 (6), p. 461

- Accepted presentation SIDS Alliance National Conference, Atlanta GA, April 1999.
 - Poster presentation, 18th Annual Conference on Sleep Disorders in Infancy and Childhood, Annenberg Center for Health Sciences at Eisenhower, Ca. January, 2000.
53. Gingras JL, McKim KJ, and Grigsby JH. Arousal, Sleep and SIDS: Sleep Fragmentation as a Potential Mediator of SIDS Risk. *Pediatric Pulmonology*, 28 (6): p. 461
 - Accepted presentation SIDS Alliance National Conference, Atlanta GA, April 1999.
 - Poster presentation; 18th Annual Conference on Sleep Disorders in Infancy and Childhood, Annenberg Center for Health Sciences at Eisenhower, Ca January 2000.
 54. Gaultney, J.F., Gingras, J.L., DeBrule, D, Martin, M. The Effect of Prenatal Exposure to Alcohol, Nicotine, and/or Cocaine on a Measure of Attention
 - Poster Presentation, Conference on Human Development. Memphis, Tennessee, April 2000
 55. Gaultney, J and Gingras, J. Fetal Rate of Habituation and Preference for Novelty During Infancy.
 - Poster presentation: Society for Research in Child Development, Minneapolis, Minnesota, 2001.
 56. Phillips, K., Carter, J., Braxton, W., Terrell, D., Gaultney, J and Gingras, J. Sleep disturbances and blood pressure among overweight youth.
 - Poster presentation: 49th annual meeting of the SEPA
 - New Orleans, LA March, 2003.
 57. Gaultney, J., Gingras, J., Horn, L., Kaplan, C. Features of sleep and measures of cognition.
 - Poster presentation: Cognitive Development Society national
 - Park City, Utah. 2003.
 58. Gaultney, J., Gingras, J., Horn, L., Fetterman, L. Kaplan, C. Features of sleep and measures of cognition.
 - Poster presentation: Conference on Human Development
 - Washington, DC. April 2004
 59. Gaultney, J., Gingras, J., and Kaplan, C. PLMD and ADHD: Is there really a link?
 - Podium presentation: American Association of Sleep Professionals
 - Philadelphia, PA. June 2004
 60. Gingras, J., Mitchell, E. PLMD in Childhood: A clinical perspective.
 - Podium presentation: American Association of Sleep Professionals
 - Philadelphia, PA. June 2004
 61. Gaultney, JF, Gingras, JL, Kaplan, C, Horn L. & Fetterman L. Sleep disordered breathing associated with decreased verbal IQ: Deficits may not improve with treatment.
 - Poster presentation, Society for Research in Child Development, Spring, 2005
 62. Gaultney, JF, Gingras, JL, Adams, SM & Neal, E. Sleep indices and early language arts achievement.
 - Poster accepted for presentation at the Conference on Human Development.

Spring 2006, Louisville, Ky

63. Gaultney, JF & Gingras, JL. Sleep disorders and Attention Deficit Hyperactivity Disorder.
- Symposium Podium presentation: "Sleep Methodology, Comorbidity, and Correlates in Children at Risk for Sleep Problems or Developmental Delays" Gatlinburg Conference on Developmental Disabilities, March 2006, San Diego, Ca.
64. Gaultney, JL, Gingras, JL & Merchant, K. Children with PLMD display more negative daytime behavior and attention problems than children with SDB: The importance of using clinical diagnosis to define study groups.
- Poster accepted for presentation at the Pediatric Sleep Medicine Conference, March, 2006, Amelia Island, Fl
65. Gingras, JL, Gaultney, JF & Merchant, K. Clinical presentation, daytime sequelae among children with periodic limb movement disorder and sleep disrupted breathing. A comparative study.
- Poster accepted at the Association of Professional Sleep Societies meeting, June 2006, Salt Lake City, Utah.
66. Gaultney, JF, Gingras, JL, & Merchant, K. Does a periodic limb movement index (PLMI) ≥ 5 uniquely define periodic limb movement disorder (PLMD) in children?
- Poster accepted for presentation at the Association of Professional Sleep Societies meeting in June 2006 in Salt Lake City, Utah.
67. Gingras, JL (Chair), Drummer J, Gaultney J, Ivanenko A, Picchietti D, Walters A (2007): Diagnostic and Clinical Challenges in Children with Periodic Limb Movement Disorder (PLMD): Toward a Rational Diagnosis and Treatment Approach. Clinical Discussion presented at the Association of Professional Sleep Societies, Sleep 2007, Minneapolis, MN.
68. Gaultney, JF & Gingras, J. Slower Information Processing Associated with Sleep Disordered Breathing (SDB) but not Periodic Limb Movement Disorder (PLMD).
- Poster presented at the Cognitive Development Society conference, Sante Fe, NM October 26, 2007

Editorials, Position, and Background Papers: None

CONSULTANT APPOINTMENTS:

- Organizational, North Carolina Lieutenant Governor's Conference on "Children of Cocaine", December 1989
- NC Department of Developmental Disabilities Consultant for State Initiated Study on the Prevalence of Cocaine Abuse During Pregnancy in North Carolina, Fall 1989

- Organizational, North Carolina Second Lieutenant Governor's Conference on "Children of Cocaine", December 1991
- Consulting Physician, Durham Regional Hospital, Durham, North Carolina, September 1991
- CNS Systems: Consultant for the development of automated sleep unit, January 1992

REVIEWER:

NIH Grants

- NIDA-H, Special Emphasis Panel, February 1997
- NIDA-H, Human Development Research Subcommittee, February 1997
- NIDA-H, Special Emphasis Panel, June 1997
- NIDA-H, Human Development Research Subcommittee, June 1997

Non-NIH Grants

- The Chicago Lung Association, 1988
- The Hospital for Sick Children Foundation: "The Effect of Cocaine on Brainstem Neurons during Development", 1991

Professional Journals

Journal of Pediatrics

Pediatrics

Journal of Clinical Endocrinology and Metabolism

Life Sciences

Pediatric Research

Journal of Applied Physiology

Journal of Developmental Physiology

Developmental Pharmacology and Therapeutics

New England Journal of Medicine

PROFESSIONAL AWARDS AND SPECIAL RECOGNITIONS:

- ◇ Recipient of the Edward Trudeau Scholar Award, American Lung Association - 1984-1987
- ◇ Fellowship Award and Institute Fellow, Institute for Pediatrics Service of the Johnson & Johnson Baby Products Company - 1983-1985
- ◇ International Conference of Infant Studies (ICIS): April, 1996 - Member of the Pediatric Medical High Risk Review Panel to select abstracts for presentation at yearly International ICIS meeting.
- ◇ The Fifth SIDS International Conference: May 1998, Chair poster walk for Physiology Session.
- ◇ Invited faculty: National SIDS Alliance Meeting, Atlanta, Georgia, April, 1999.
- ◇ 1998 recipient of the Carolinas SIDS Award of Excellence.

- ◇ Planning Committee for Program: National meeting of the American Association of SIDS Prevention Physicians, 1999
- ◇ Planning Committee for Program: Year 2000 National SIDS Alliance Meeting, 2000
- ◇ Planning Committee for Program: Years 2001-present; Annual meeting of the American Association of SIDS Prevention Physicians.

ADMINISTRATION, ORGANIZATIONS AND PARTICIPATION:

- Board of Directors, The Association of SIDS Risk Prevention Physicians: 1997-present
- Master's Thesis Committee member, Department of Psychology, UNC-Charlotte, 2005-present
- Master's Thesis Committee member, Department of Psychology, UNC-Charlotte, 2003
- Queens College Mentorship Program - 1997
- North Carolina SIDS Alliance, 1996 - Present; Board of Directors, 1997
- Development Committee for Neonatal Nurse Practitioner Program, Duke University Medical Center, Durham, North Carolina; 1992 -1995
- Legislative Liaison, North Carolina Maternal/Child Health Care Advisory Board, 1992 - 1994
- Co-Director, Transitional Care Nursery, Duke University Medical Center, Durham, North Carolina; 1991-1995
- Duke Planning Committee, 20 Bed Transitional Care Nursery; March 1991 - 1994
- Organizational Committee, Maternal/Child Health Care Advisory Committee; 1991 -1994
- Coordinator, Joint Duke UNC Neonatal Research Conference; 1989 -1995
- Planning and Organizational Committee, 2nd N.C. Symposium on "Children of Cocaine: North Carolina's Next Step"; Summer and Fall 1991
- Thesis Committee Member, Master's Degree Candidate, Department of Pharmacology; March 1991
- Institutional Representative, Southern Society of Pediatric Research; 1989 - 1995
- Principal Investigator, EXOSURF Replacement Protocol; 1989 - 1990
- Lenox Baker Children's Hospital Planning Committee; 1988 - 1989
- North Carolina School of Science and Mathematics Mentorship Program, Durham, North Carolina;
Preceptor - Year-long Independent Study, Human Development
Mentor - Special Projects Weeks, 1986 - 1988

- Respiratory Care Advisory Committee, Duke University Medical Center; January 1986 - 1990

TEACHING RESPONSIBILITIES:

- ◆ Duke University Medical Center, Pediatric Pulmonary Medicine Conferences
- ◆ Joint Duke/UNC Pulmonary Research Conference
- ◆ Respiratory Therapy Grand Rounds
- ◆ Physical Therapy Department
- ◆ Resident Teaching
- ◆ ICN Didactic Sessions
- ◆ American Heart Association Newborn Resuscitation Lecturer
- ◆ Neonatal Resuscitation Lecturer
- ◆ Duke University Medical Center, Angus McBryde Symposium
- ◆ Duke University Medical Center, Morehead Symposium
- ◆ Duke University Medical Center, Department of Pediatrics, Departmental Research Meeting
- ◆ Duke University Medical Center, Department of Pediatrics, Grand Rounds
- ◆ Cabarrus Outreach Program
- ◆ Carolinas Medical Center, Department of Pediatrics, Hot Topics In Apnea Monthly Conferences
- ◆ Carolinas Medical Center, Department of Pediatrics, Grand Rounds
- ◆ Carolinas Medical Center, Department of Pediatrics, Newborn Conference Lecture Series
- ◆ Carolinas Medical Center, Department of Pediatrics, Perinatal Morbidity and Mortality Conferences
- ◆ Carolinas Medical Center, Department of Pediatrics, Mini Fellowships in Neonatology
- ◆ Department of Psychology, UNC-Charlotte

INVITED PRESENTATIONS:

- Angus McBryde Pediatric Symposium: "Illicit Drugs: The Hidden Risk," Durham, NC, October 1987.
- Grand Rounds, Department of Pediatrics, Wake Medical Center, "In Utero Cocaine Exposure: A Neurodevelopmental Teratogen," Raleigh, NC, August 1988.
- Duke/UNC Pulmonary Conference: "Control of Breathing," Durham, NC, October 1988.
- Continuing Education Seminar, Brynn Marr Hospital: "In Utero Exposure to Cocaine: Its Effects on Neurodevelopment," Jacksonville, NC, January 1989.
- Grand Rounds, NCMH, UNC School of Medicine, "Neuro-behavioral Assessment of the Cocaine Exposed Fetus using Ultrasound Techniques," Chapel Hill, NC, January 1989.
- Nursing Symposium, Durham Community General Hospital, "In Utero Exposure and the Newborn: Addiction vs. Exposure," Durham, NC, March 1989.
- DUMC Central Hypoventilation Workshop: Central Hypoventilation and Apnea, "Atypical Fetal Breathing Patterns," Durham, NC, October 1989.
- Symposium on "Children of Cocaine" Planning Committee and Panel Chair, "Mechanisms of Injury: A Model for Cocaine's Toxicity," Atlanta, GA, December 1989.

- East Carolina University, Department of Pediatrics, Faculty/Resident Conference. "Cocaine Exposure: Neonatal/Infant Risk," Greenville, NC, April 1990.
- East Carolina School of Medicine Department of Pharmacology Research Seminar, "Neuropeptides, Breathing and SIDS: Brainstem Neurochemical Studies of Substance P and Methionine Enkephalin," Greenville, NC, April 1990.
- University of Southern California, School of Medicine Symposium, "Cocaine and Breathing; Neuropeptides and Breathing," Los Angeles, CA, May 1990.
- Invited Participant and Panel Discussant in the Cocaine Symposium at the 17th International Conference on Infant Studies (ICIS), "In Utero Cocaine Exposure: Neurofunctional Consequences for the Fetus and Neonate," Raleigh, NC, April 1990.
- 32nd Annual Postgraduate Course, Duke University Medical Center Morehead Symposium, "Prematurity," Morehead City, NC, July 10, 1990.
- 32nd Annual Postgraduate Course, Duke University Medical Center Morehead Symposium, "Respiratory Distress Syndrome," Morehead City, NC, July 11, 1990.
- Bioscience Seminars: The Erwin A. Brody Fund for the History of Neurosciences, Joint Seminar Duke University and NC School of Science and Mathematics, "Prenatal Cocaine Studies," Durham, NC, October 27, 1990.
- Lecturer, Premedical Students, University of North Carolina at Chapel Hill, "Pediatrics," Chapel Hill, NC, January 22, 1991.
- Grand Rounds, Department of Pediatrics, Durham County General Hospital, "Cocaine, Its Impact on Development," Durham, NC, March 20, 1991.
- Invited Panel Speaker and Workshop Moderator: National Association of State Directors of Special Education, Inc. (NASDSE), "Prenatal Cocaine Exposure: Educational Impact for the Present and Future," New York City, NY, May 1991.
- 2nd N.C. Symposium on "Children of Cocaine" The North Carolina's Next Step Panel Chair, Research Update: "What Have We Learned in Two Years About the Effects of In Utero Cocaine Exposure?" Charlotte, NC, December 1991.
- North Carolina Neonatologists Association Spring Meeting: "Effects of Cocaine on the Brain," Durham, NC, April 1992.
- Angus M. McBryde Perinatal Symposium: "Focus On Substance Abuse: Intervention Through Education --The Neonatal Period," Durham, NC, May 1992.
- North Carolina Neonatologists Association: "Non-Invasive Neurobehavioral Testing in the Prenatal Patient," Durham, NC, April 1993.
- 7th Annual ADDICTION: Focus on Women Conference: "The Effects of Drug on the Neonate," Asheville, NC, May 1993.

- Wake Area Health Education: "Specific Biochemical Reactions of drugs in Pregnant Women and Neonates." Raleigh, NC, May 1993.
- Children with Chronic Illness: Eighth Annual Workshop for School Personnel: "Children Born to Addicted Mothers," Durham, NC, September and October 1993.
- Pathophysiology Mechanisms for Sudden Infant Death Syndrome (SIDS) Workshop: Sponsored by NICHD and the SIDS Alliance: "Prenatal State Assessment", Pittsburgh, PA, November 1993.
- Research Meeting, Johns Hopkins University. "Prenatal State Assessment: A Continuum of Development." Baltimore, MD, February 1994.
- Perinatal Substance Abuse Workshop: Mom - My Future Depends on You. "Cocaine's Handiwork: Understanding Fetal Exposure," Durham, NC, April 1994.
- Monthly CME Program, Kaiser Health Care Providers. "The Care of Infants Prenatally Cocaine Exposed." Durham, NC June 1994.
- Perinatal Conference: Cocaine Effects on the Fetus and Newborn, Mary Black Hospital, Spartanburg, SC, November 1995.
- Invited discussant as Senior Faculty: Mead Johnson Nutritionals Southeastern Conference on Perinatal Research, Islamorada, Florida, March 4-6, 1996.
- Invited speaker: North Carolina SIDS Alliance, July 15, 1996.
- Invited speaker: North and South Carolina Nurse Practitioners Association Conference: "Cocaine & SIDS: Is There a Relationship?" October 25, 1996.
- Invited speaker: North and South Carolinas Sleep Society, Fall Conference: "Overview of Sudden Infant Death Syndrome (SIDS)." Presbyterian Hospital, Charlotte, NC, November 1, 1996.
- Invited workshop leader: "Developmental and Behavioral Effects of Prenatal Exposure to Substance Abuse." Notre Dame College, Manchester, NH, November 2, 1996.
- Invited workshop leader: "Is SIDS Preventable?." Alumni/Parent Reunion Specialty Workshop. Notre Dame College, Manchester, NH, November 2, 1996.
- Invited lecture to Science/Physical Therapy Majors: "Scientific Method Nuts and Bolts; Cocaine, breathing and SIDS: Is There a Link?." Notre Dame College, Manchester, NH, November 4, 1996.
- Invited lecture to Education majors: "Prenatal Cocaine Exposure and the School-Age Child: Attentional and Cognitive Development." Notre Dame College, Manchester, NH, November 4, 1996.
- Invited speaker: "Assessment of State, Arousal and Regulation Competency in Substance-Exposed Fetuses." Society for Research in Child Development Symposium entitled, "Influence of Maternal Factors on Fetal Neurobehavioral Development", Washington, DC, April 3-6, 1997.
- Invited Speaker: Assessment of State, Arousal and Regulation Competency in Substance-Exposed Fetuses. Invited Symposium: Influence on Maternal Factor on Fetal Neurobehavioral Development. - Podium presentation, Society for Research in Child Development, Washington, DC, April 1997.

- Invited panel participant: “Research Behind the Practice of Pediatrics: Pros and Cons of Home Monitoring in Infant Apnea.” Carolinas Medical Center Spring Symposium, Charlotte, NC, May 14, 1997.
- Invited faculty: “State Control in the Fetus and Newborn.” New York Academy of Sciences Conference entitled, “Cocaine: Effects on the Developing Brain”, Washington, DC, September 16-19, 1997.
- Invited speaker: “Cocaine and Neurodevelopment: Prenatal and postnatal behavioral impact.” North Carolina Academy of Neuroscience, November 18, 1997.
- Invited presentation: “Spells” in the Neonatal Intensive Care Units: What are they, how to evaluate. Carolina’s Association of Neonatal Nurses, Fall Seminar, Charlotte, NC, October 13, 1998.
- Invited Symposium Speaker, “Effects of Prenatal Stress on Fetal and Infant Development”, Winter Psychobiology Meeting, Granada, January 1999.
- Invited Medical/Scientific Faculty: Smoking Symposium: “Physiology of the Fetus and Infant Exposed to Cigarettes.” SIDS Alliance National Conference, Atlanta, GA, April 8-11, 1999.
- Invited Faculty: Current Concepts in Sleep 1999. Presentation: “Cardio-Respiratory Control Disorders in Infants and Children”, Clearwater, Florida, September, 1999
- Invited Faculty: National Meeting of the American Association of SIDS Prevention Physicians. Smoking and SIDS: Revisiting the Link. Atlantic City, September, 1999
- Invited Faculty and Panel Discussant. C.J. Foundation for SIDS Symposium on Minority Issues in SIDS: New Advances in the Identification of Risk Factors during the Prenatal and Perinatal stages, New York, New York, October 1999.
- Invited Faculty: 12th Annual New Jersey SIDS Conference: Perspectives on Research and Bereavement Support. Keynote: “ SIDS: A Status Report Approaching the Millennium.”, October 7, 1999.
- Moderator and Panel Discussant for Symposium on Maternal Cigarette Smoking and SIDS presented at the National SIDS Conference help in Salt Lake City, April, 2000.
- Invited Faculty. Virginia State SIDS Conference. “State of the Art” address on Research, Fall 2000
- Invited Faculty: Toward SIDS Prevention Conference. The National meeting of the American Association of SIDS Prevention Physicians, Fall 2000.
 - “Cigarette Smoking and SIDS”
 - “Educating about Risk Factor Reduction Behaviors”
- Invited Faculty: The 11th Annual Conference of the American Association of SIDS Prevention Physicians, Fall 2002. “Periodic Limb Movement Disorder”
- Invited Faculty: Florida Sleep Symposium, Current Concepts in Sleep, Fall 2003
 - Interpreting Pediatric PSG
 - Sleep Disordered Breathing in Childhood
 - Restless Leg Syndrome-Periodic Limb Movement Disorder: Are these childhood disorders?

- Invited Faculty: The 12th Annual Conference of the American Association of SIDS Prevention Physicians, Fall 2003. “Sleep Disorders and ADHD”.
- Symposium Chair: “PLMD in Childhood”. American Association of Sleep Professionals National Meeting, Philadelphia, PA. June, 2004.
- Symposium Discussant: “PLMD in Childhood: A Clinical Perspective”. American Association of Sleep Professionals National Meeting: PLMD in Childhood” June, 2004
- Invited Faculty: The 13th Annual Conference of the American Association of SIDS Prevention Physicians, Fall 2004 “PLMD- Update 2004”
- Invited Faculty: Florida Sleep Symposium, Current Concepts in Sleep, Fall 2004
 - When Children Can’t or Won’t Sleep
 - Scoring the Pediatric PSG
 - PLMD-RLS in Childhood
- Invited Faculty: NC Family Medicine Symposium. “ Pediatric Sleep Disorders”. Myrtle Beach, NC July 2005
- Invited Faculty: 2005 Advanced Sleep Medicine Symposium: An Advance Course for Educators and School Psychologists. September, 9, 2005
 - When Children Can’t or Won’t Sleep
 - RLS Syndrome in Children
- Invited Faculty: Florida Sleep Symposium, Fall
 - Scoring Pediatric PLMs
 - PLMD-RLS in Childhood: 2005 update / Case presentation
- Invited Faculty: Florida Sleep Symposium. Current Concepts in Sleep. September 8-9, 2006
 - Special Needs Child and Sleeplessness
 - Movement Disorders and Restless Sleep
- Invited Faculty 15th Annual Conference of the American Association of SIDS Prevention Physicians. Charlotte, NC October 2006. Gaultney, JF & Gingras, JL “Cognitive and Behavioral Outcomes Associated with Insufficient/disordered Sleep among Children”.
- Invited Faculty: Florida Sleep Symposium August 31-Sept 1, 2007. Tampa Marriott Waterside
 - Sleep in Adolescents: Issues and Interventions
 - Infant Sleep
- Invited talk presented as part of a Symposium entitled “Diagnostic and Clinical Challenges in Children with Periodic Limb Movement Disorder (PLMD). June 2007. Meeting of the Association of Professional Sleep Societies, Minneapolis, MN
 - Does Treatment Alter Outcome?
- Invited Faculty. Florida Sleep Symposium-2008, Tampa Marriott Watersied. August 29-30
 - Sleep in Adolescents
 - Plenary session. RLS/PLMD in Children and Adults

- Invited Faculty. Florida Sleep Symposium-2009. Sept 4-5
 - Adolescent Sleep
 - New Scoring Rules- PLMs
 - New Pediatric Respiratory Scoring Rules

EXTERNAL SUPPORT:

| <u>Source</u> | <u>Amount</u> | <u>Duration</u> |
|--|--------------------|-----------------|
| | (Direct cost only) | |
| <i>Johnson & Johnson Baby Products Company,</i> Fellowship Award and Institute Fellow <u>Purpose:</u> Research Fellowship Award, Basic Science Principal Investigator: Jeannine L. Gingras, MD | \$ 34,000 | 1983-1985 |
| <i>American Lung Association,</i> Edward Trudeau Scholar Award <u>Purpose:</u> Research Career Development Award <i>“Effects of Hypoxia on Methionine-Enkephalin Concentration in Respiratory-Related Brainstem Nuclei of Rabbit.”</i> Principal Investigator: Jeannine L. Gingras, MD | \$ 60,000 | 1984-1987 |
| <i>United Way, Small Grant Committee</i> Duke University <u>Purpose:</u> Basic Research; Pilot Studies <i>“Cocaine and Pregnancy: Altered Cocaine Metabolism and SIDS Risk”</i> Principal Investigator: Jeannine L. Gingras, MD | \$ 5,000 | 1986-1987 |
| <i>American Lung Association</i> Basic Research Grant <u>Purpose:</u> Basic Research <i>“Prenatal Cocaine Exposure Alters Postnatal Respiratory Control.”</i> Principal Investigator: Jeannine L. Gingras, MD | \$ 17,500 | 1988-1990 |
| <i>American Lung Association</i> North Carolina Research Grant <u>Purpose:</u> Clinical Research Principal Investigator: Jeannine L. Gingras, MD | \$ 10,000 | 1989-1990 |

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| <p><i>Developmental Disabilities Council of North Carolina</i> The Infant Care Project <u>Purpose:</u> Outcomes Research <i>“Intervention program for pregnant cocaine abusing women Includes fetal ultrasound assessment and postnatal follow-up”</i> Principal Investigator: Karen O'Donnell Ph.D. Co-Investigator: Jeannine L. Gingras, MD Percent effort: 10% time and salary support</p> | <p>\$ 36,437</p> | <p>1992-1992</p> |
| <p><i>United Way, Small Grant Committee</i> Duke University <u>Purpose:</u> Basic Research; Pilot Studies Principal Investigator: Jeannine L. Gingras, MD</p> | <p>\$ 4,997</p> | <p>1991-1992</p> |
| <p><i>National Institute of Drug Abuse</i> Small Grant Program <u>Purpose:</u> Basic Research <i>“Prenatal Cocaine Exposure Alters Postnatal Respiratory Control”</i> Principal Investigator: Jeannine L. Gingras, MD Percent effort: 20%</p> | <p>\$100,000</p> | <p>1991-1993</p> |
| <p><i>Department of Education</i> Project Infant Care <u>Purpose:</u> Outcomes Research <i>“ A mother-child intervention model directed at cocaine use during pregnancy”</i> Principal Investigator: Karen O'Donnell, Ph.D. Co-Investigator: Jeannine L. Gingras, MD</p> | <p>\$486,072</p> | <p>1991-1996</p> |
| <p><i>National Institute of Drug Abuse</i> RO1 DA/HD05949 <u>Purpose:</u> Clinical Research <i>“Prenatal Cocaine Affects Breathing and State Development”</i> Priority Score: 135 Principal Investigator: Jeannine L. Gingras, MD Percent effort: 65%</p> | <p>\$1,104,292</p> | <p>1993-1998</p> |
| <p><i>Wyeth Pediatric Grants</i> Fellow Grant Support <u>Purpose:</u> Basic Fellow Research <i>“Prenatal Exposure to Nicotine and Cocaine Affects Breathing, Learning, and Memory”</i> Fellow: Adam Cutler, MD</p> | <p>\$5,000.00</p> | <p>1994-1995</p> |

Faculty Sponser: Jeannine Gingras, MD

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|---|-------------|-----------|
| <i>Faculty Research Support Grant: UNC-Charlotte</i> Faculty Support <u>Purpose:</u> Clinical Investigation “Information Processing in Infants Prenatally Exposed to Crack Cocaine or Nicotine” Principal Investigator: Jane Gaultney, PhD Co-Investigator: Jeannine Gingras, MD | \$5,000.00 | 1999 |
| <i>Faculty Research Support Grant: UNC-Charlotte</i> Faculty Research Support <u>Purpose:</u> Clinical Investigation “Cognitive/behavioral difficulties and Sleep Disorders in Children” Principal Investigator: Jane Gaultney, PhD Co-Investigator: Jeannine Gingras, MD | \$4,977.70 | 2000 |
| <i>Faculty Research Support Grant: UNC-Charlotte</i> Faculty Support Grant <u>Purpose:</u> Clinical Investigation “Cognitive/behavioral Difficulties and Sleep Disorders in Children-continuation” Principal Investigator: Jane Gaultney, PhD Co-Investigator: Jeannine Gingras, MD | \$1,160.00 | 2001 |
| <i>Glaxo/SmithKline Research Grant</i> <u>Purpose:</u> Database development “RLS-PLMD in Childhood” Principal Investigator: Jeannine Gingras, MD Co-Investigator: Jane Gaultney, PhD | \$15,500.00 | 2002-2005 |

OTHER SUPPORT: Partially funded

Gingras, J, Gaultney, JF, Leatherman, N, Zeskind, PS (1997). Attention and information processing in infants prenatally exposed to cocaine and/or nicotine: The neurobehavioral risk study. \$48,545.00 Submitted to Carolinas Medical Center Foundation.