

CURRICULUM VITAE
AMY LYNN SALISBURY

Brown Center for the Study of Children at Risk
Women & Infants' Hospital
101 Dudley Street
Providence, RI 02905
Amy_Salisbury@Brown.edu

EDUCATION:

Undergraduate Degrees	Clark University, Worcester, MA B.A. Psychology: Neuroscience Concentration St. Vincent Hospital School of Nursing, Worcester, MA Diploma of Nursing
Graduate Degrees	University of Rhode Island, Kingston, RI M.S. , Child and Adolescent Psychiatric Nursing University of Connecticut, Storrs, CT Ph.D. , Biobehavioral Sciences, Developmental Psychobiology Dissertation Title: Sleep and Cry Behavior in Irritable Infants Mentor: Evelyn B. Thoman, Ph.D.

POSTGRADUATE TRAINING

Postdoctoral Fellowship	Brown Medical School/Rhode Island Hospital Child Psychiatry T32 Training and research in fetal and infant behavioral development, infant mental health, and prenatal exposure to maternal psychiatric illness and/or substance use, 2000-2002
NIH Research Career Award (K23)	Training and certification in fetal heart rate monitoring and limited obstetrical ultrasound, methodology to measure fetal neurobehavior, and clinical and research content for perinatal mental health, 2002-2007.

POSTGRADUATE HONORS AND AWARDS

Advance-CTR Mentoring Training Program, May 2018

NASPOG Young Investigator Award
The North American Society for Psychosocial Obstetrics and Gynecology
February, 2003.

First Place Research Award for Post-Doctoral Fellows
Brown Medical School Department of Psychiatry and Human Behavior
March, 2001

Rhode Island Nurse of the Year, Bradley Hospital, 1993

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Registered Nurse Massachusetts, 1988
 Rhode Island, 1990
 Prescriptive Privileges, Schedule IV, 1999
**ANCC Board Certified Advanced Practice Nurse, Child and Adolescent
 Psychiatric and Mental Health Nursing, 1993-present**

ACADEMIC APPOINTMENTS

July 1, 2012 to present	Associate Professor of Pediatrics and Psychiatry & Human Behavior, Alpert Medical School of Brown University
July 1, 2008 to June 30, 2012	Assistant Professor of Psychiatry & Human Behavior, Alpert Medical School of Brown University
February 2003 to present:	Assistant Professor of Pediatrics, Alpert Medical School of Brown University
March 2006 to present:	Adjunct Assistant Professor, College of Nursing, University of Rhode Island
August 2000 –June 2002:	Postdoctoral Fellow in Child Psychiatry, Brown Medical School, Rhode Island Hospital/Women & Infants' Hospital, Providence, RI 02903

HOSPITAL APPOINTMENTS

Oct. 2001-present:	Clinical Research Scientist, Clinical Nurse Specialist, Department of Pediatrics, Brown Center for the Study of Children at Risk, Women & Infants' Hospital, Providence, RI
Sept. 1999-June 2000:	Study Coordinator, Infant Development Center, Women & Infants' Hospital, Providence, RI
May, 1993-Oct. 2001:	Clinical Nurse Specialist, Child Psychiatry, Bradley Hospital, East Providence, RI
May, 1991-May, 1993:	Assistant Nurse Manager, Bradley Hospital, East Providence, RI
Jan. 1990-May, 1991:	Staff Nurse, Bradley Hospital, East Providence, RI
May, 1988-Jan, 1990:	Staff Nurse, Neurology, St. Vincent Hospital, Worcester, MA

OTHER APPOINTMENTS

October, 2015-June 2019	NIH Center for Scientific Review, Child Psychopathology and Developmental Disabilities Study Section, Biobehavioral and Behavioral Processes Integrated Review Group, Member
Jan. 2014 – Mar. 2014	NIH Center for Scientific Review Special Emphasis Panel, ZRG1 PSE-D 50 R, RFA TW-13-002: Epigenetic, Social, Behavioral and Environmental Interactions
February & October, 2014 November, 2013, October, 2012	NIH Center for Scientific Review, Child Psychopathology and Developmental Disabilities Study Section, Biobehavioral and

February & October, 2010	Behavioral Processes Integrated Review Group, Ad-Hoc reviewer
February 2014	NIH Center for Scientific Review, Special Emphasis Panel, ZRG1 BBBP-L 61 C, Collaborative Applications: Pathogenesis of Pediatric Obsessive-Compulsive Behaviors,
June - July 2011	NIH Center for Scientific Review Group, Shared Imaging Instrumentation (S10) Special Emphasis Panel, Population Sciences and Epidemiology (PSE) Integrated Review Group

INTERNATIONAL COMMITTEES/WOKRGROUPS

2017-present	Consensus Panel for the Standards and Competencies of Developmental Family Centered Integrative Care for Newborns and Families in the Intensive Care Unit.
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HOSPITAL COMMITTEES

2007-2009	Family Centered Care Committee, Women & Infants
2005-2007	Developmental Care Committee, Women & Infants
1991-1993	Medical Records Committee, Bradley Hospital
1991-1993	Staff Development Committee Director, Bradley Hospital

UNIVERSITY COMMITTEES

May 2018	Oh-Zopfi Pilot Project Grant Program, Reviewer
November 2012 – May 2013	(Research) faculty subcommittee of the Medical Faculty Policy Task Force
July 2005-June 2008	Medical Faculty Executive Committee
June 2002-2003	Department of Psychiatry and Human Behavior, Training Subcommittee

MEMBERSHIP IN SOCIETIES

American Academy of Sleep Medicine (AASM)
 American Nurses Association (ANA)
 American Psychiatric Nurses Association (APNA)
 International Society for Developmental Psychobiology (ISDP)
 North American Society for Psychosocial Ob-Gyn (NASPOG)
 Perinatal Mental Health Society (PMHS)/Marce Society of North America (MONA)
 Rhode Island State Nurses Association (RISNA)

PUBLICATIONS LIST

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Salisbury, A., Minard, K., Hunsley, M., & Thoman, E.B. Audio Recording of Infant Crying: Comparison with Maternal Cry Logs. International Journal of Behavioral Development, 2001;25(5):458-465.

2. Salisbury, A., Law, K., LaGasse, L., Lester, B., Maternal-Fetal Attachment. JAMA 2003; 289(13):170. [PMID:12672743](#)
3. Salisbury, A., Duncan Fallone, M., Lester, B., Neurobehavioral Assessment from Fetus to Infant: The NICU Network Neurobehavioral Scale and the Fetal Neurobehavior Coding System. Mental Retardation and Developmental Disabilities Research and Reviews, 2005; 11(1): 14-20. [PMID:15856444](#)
4. Salisbury, A.L., Lester, B.M., Seifer, R., LaGasse, L., Bauer, C., Shankaran, S., Bada, H., Wright, L., Liu, J., and Poole, K. Prenatal Cocaine Use and Maternal Depression: Effects on Infant Neurobehavior, Neurotoxicology and Teratology, 2007;29:331-340. [PMID:17258430](#); [PMCID:PMC1955229](#)
5. Battle, C. L. Zlotnick, C., Pearlstein, T., Miller, I.W., Howard, M., Salisbury, A.L. & Stroud, L. Depression and breastfeeding: Which postpartum patients take antidepressant medications?, Depression and Anxiety 2008;25(10):888-891. [PMID:17431885](#); [PMCID: PMC3918906](#)
6. Stroud, L.R., Paster, R.P. , Niaura, R., Amy L. Salisbury, A.L., Battle, C., Lagasse, L.L. & Lester, B.M., Maternal smoking during pregnancy and newborn neurobehavior: Effects at 10-27 days, Journal of Pediatrics 2009;154(1):10-16. [PMID: 18990408](#); [PMCID:PMC3026585](#)
7. Salisbury, A.L., Ponder, K.L., Padbury, J.F. and Lester, B.M. Fetal Effects of Psychoactive Drugs. Clinics in Perinatology, 2009, 36(3):595-619. [PMID:19732616](#); [PMCID:PMC2767264](#)
8. Pearlstein T, Howard M, Salisbury A, Zlotnick C. Postpartum depression. American Journal of Obstetrics and Gynecology, 2009(4): 357-64. [PMID:19318144](#); [PMCID: PMC3918890](#)
9. Matook, S., Sullivan, M., Salisbury, A., Miller, R., Diurnal Sound Levels in a Neonatal Intensive Care Unit, Neonatal Network, 2010; 29(2):87-95. [PMID:20211830](#)
10. Lester, B.M., Miller, R.J., Hawes, K., Salisbury, A.L., Bigsby, R.M., Sullivan, M., and Padbury, J.F. Infant Neurobehavioral Development, Seminars in Perinatology, 2011, 35: 8-19. [PMID:21255702](#); [PMCID:PMC3168949](#)
11. Ponder, K.L., Salisbury, A.L., McGonnigal, B. Laliberte, A., Lester, B., and Padbury, J.F., Maternal Depression and Anxiety are associated with altered gene expression in the human placenta without modification by antidepressant use: Implications for fetal programming. Developmental Psychobiology, 2011,53(7):711-723. [PMID:21547899](#), [PMCID: PMC3155003](#), *Faculty of 1000 Recommended;FFa6*.
12. Salisbury, A.L., Katherine L. Wisner, Teri Pearlstein, Cynthia Battle, Laura Stroud, and Barry Lester, Newborn neurobehavioral patterns are differentially related to prenatal maternal Major Depressive Disorder and Serotonin Reuptake Inhibitor treatment, 2011, Depression and Anxiety, 28(11):1008-1019, [PMID:21898709](#); [PMCID:PMC3215845](#)
13. McFarland, J.B., Salisbury, A.L., Battle, C.L., Halloran, K., Hawes, K., and Lester, B., Major Depressive Disorder during pregnancy and emotional attachment to the fetus, Archives of Women's Mental Health, 2011, 14(5):425-434, [PMID: 21938509](#); [PMCID:PMC3248759](#)

14. Grant-Beuttler, M., Glynn, L.M., Salisbury, A.L., Davis, E.P., Sandman, C., Development of Fetal Movement between 26 and 36 Weeks' Gestation in Response to Vibro-acoustic Stimulation, *Frontiers in Developmental Psychology*, 2011, 2(350): 1-7. [PMID: 22207855](#), [PMCID: PMC3245669](#).
15. Salisbury, A.L., High, P., Twomey, J., Dickstein, S., Chapman, H. and Lester, B.M., A Randomized Control Trial to Evaluate a Family Based Biopsychosocial Intervention for the Treatment of Infant Colic, *Infant Mental Health Journal*, 2012, 33(2):110-122.
16. Salisbury, A.L., Coyle, M., O'Grady, K.E., Heil, S., Martin, P.R., Stine, S.M., Kaltenbach, K., Weninger, M., & Jones, H.E. Fetal Well-Being Before and After Methadone or Buprenorphine Dosing, *Addiction*, 2012, 107(S1):36-44. [PMID: 23106925](#), [PMCID: PMC4277183](#)
17. Karol Kaltenbach, K., Coyle, M., Heil, S., Salisbury, A., Stine, S., Martin, P., and Jones, H., Predicting Treatment for Neonatal Abstinence Syndrome in Infants Born to Women Maintained on Agonist Medication, *Addiction*, 2012, 107(S1): 45-52. [PMID: 23106926](#), [PMCID: PMC4268864](#)
18. Coyle, M., Salisbury, A.L., Lester, B., Jones, H.E., Lin, H., Graf-Rohrmeister, & Fischer, G. Neonatal Neurobehavior Effects following Buprenorphine versus Methadone Exposure, *Addiction*, 2012, 107(S1):63-73. [PMID: 23106928](#), [PMCID: PMC4337995](#)
19. Battle, C. L., Salisbury, A. L., Schofield, C.A., Ortiz-Hernandez, S. Perinatal antidepressant use: Understanding women's preferences and concerns. *Journal of Psychiatric Practice*, 2013, 19(6):443-453. [PMID: 24241498](#), [PMCID: PMC4277178](#).
20. Magee, S.R., Bublit, M.H., Orazine, C. Brush, B., Salisbury, A.L., Niaura, R., Stroud, The relationship between maternal-fetal attachment and cigarette smoking over pregnancy, *Maternal Child Health Journal*, 2014, 18(4):1017-1022, [PMID: 23892790](#) [PMCID: PMC4054687](#)
21. Stroud, L.R., Papandonatos, G.D., Rodriguez, D., McCallum, M., Salisbury, A.L., Phipps, M., Lester, B.M., Niaura, R., Padbury, J.F., Marsit, C.J., Maternal smoking during pregnancy and infant stress response: test of a prenatal programming hypothesis. *Psychoneuroendocrinology*, 2014, 48:29-40; [PMID: 24999830](#), [PMCID: PMC4136384](#)
22. Lester, B.M., Hawes, K., Abar, B., Sullivan, M., Miller, R., Bigsby, R., Laptook, A., Salisbury, A., Taub, M., Lagasse, L., Padbury, J.F., Single Family Room Care and Improved Neurobehavioral and Medical Outcomes in Preterm Infants, *Pediatrics*, 2014, 134(4):754-60, doi: 10.1542/peds.2013-4252. [PMID: 25246623](#) [Full text](#)
23. Massey, S.H., Bublit, M.H., Magee, S.R., Salisbury, A.L. Niaura, R.S., Wakschlag, L., Stroud, L.R., Maternal-Fetal Attachment Differentiates Patterns of Prenatal Smoking and Exposure, *Addictive Behaviors*, 2015, 45, 51-6. [PMID: 25644587](#), [PMCID: PMC4374036](#)
24. Salisbury, A.L., O'Grady, K., Battle, C., Wisner, KL, Anderson, G., Stroud, L., Miller-Loncar, CL, Young, ME, and Lester, B. The roles of maternal depression, serotonin reuptake inhibitor treatment, and concomitant benzodiazepine use on infant neurobehavioral functioning over the first postnatal month, *American Journal of Psychiatry*, 2016, 173(2):147-57. [PMID: 26514656](#); [PMCID: PMC4742381](#)

25. Stroud, L.R., Papandonatos, G., Salisbury, A.L., Phipps, M., Huestis, M., Niaura, R., Padbury, J., Marsit, C., Lester, B.M., Epigenetic Regulation of Placental *NR3C1*: Mechanism underlying Prenatal Programming of Infant Neurobehavior by Maternal Smoking? *Child Development*, 2016, Jan;87(1):49-60. [PMID:26822442](#), [PMCID: PMC4808519](#)
26. Aubuchon-Endsley1, N., Morales, M., Giudice, C., Bublitz, PM.H., Salisbury, A.L., Stroud, L.R., Maternal Pre-pregnancy Obesity and Gestational Weight Gain Influence Neonatal Neurobehavior, *Maternal & Child Nutrition*, 2017 Apr;13(2), [PMID: 27161802](#)
27. Partridge, M-C., Salisbury, A.L., Lagasse, L. Fine Motor Differences and prenatal serotonin reuptake inhibitor exposure, *Journal of Pediatrics*, 2016, Aug; 175:144-149 [PMID:27215778](#); [PMCID:PMC4981505](#)
28. Lester, B.M., Salisbury, A.L., Hawes, K. Dansereau, L., Bigsby, R., Laptook, A., Taub, M, Lagasse, L.L., Vohr, B.R., and Padbury, J.F., 18-Month Follow-up of Infants Cared for in a Single Family Room NICU, *Journal of Pediatrics*, 2016, Oct;177:84-9, [PMID: 27470693](#)
29. Stroud, L.R., Papandonatos, G.D., Parade, S.H., Salisbury, A.L., Phipps, M.G., Lester, B.M., Padbury, J.F., and Marsit, C.J. Prenatal major depressive disorder, placenta glucocorticoid and serotonergic signaling, and infant cortisol response. *Psychosomatic Medicine*, 2016, Nov/Dec;78(9):979-990., [PMID 27763986](#)
30. Stone, K.C., Salisbury, A.L., Miller-Loncar, C.L., Mattera, J.M., Battle, PhD Johnsen, D. O'Grady, K.E., Pregnancy and Postpartum Antidepressant Use Moderates the Effects of Sleep on Depression, *Archives of Women's Mental Health*, 2017, Oct;20(5):621-632, [PMID: 28488099](#).
31. Karol Kaltenbach, K., O'Grady, K.E., Heif, S.H., Salisbury, A.L., Coyle, M.G., Fischer, G., Martin, P.R., Stine, S., Jones, H.E., Prenatal Exposure to Methadone or Buprenorphine: Early Childhood Developmental Outcomes, *Drug and Alcohol Dependence*, 2018 Apr 1;185:40-49, [PMID: 29413437](#)
32. Stroud, L.R., McCallum, M., & Salisbury, A.L. Impact of maternal prenatal smoking on fetal to infant neurobehavioral development. Developmental origins of psychopathology: Mechanisms, processes, and pathways linking the prenatal environment to postnatal outcomes, *Development and Psychopathology*, 2018, 30: 1087-1105. [PMID: 30068428](#)
33. Stroud, L.R., Papandonatos, G.D., McCallum, M., Kehoe, T., Salisbury, A.L., & Huestis, M. Prenatal tobacco and marijuana co-use: Impact on newborn neurobehavior, *Neurotoxicology and Teratology*, [PMID: 30266574](#) DOI: 10.1016/j.ntt.2018.09.003.

MANUSCRIPTS IN PREPARATION OR SUBMISSION to PEER-REVIEWED JOURNALS

10 additional manuscripts are currently in submission or preparation for submission.

BOOKS AND BOOK CHAPTERS

Salisbury, A.L., Yanni, P., LaGasse, L., and Lester, B., 2004. Maternal-Fetal Psychobiology: A Very Early Look at Emotional Development. In Emotional Development: Recent Research Advances, J. Nadel, D. Muir, eds. Oxford University Press.

Salisbury, A.L (2004). Mood Disorders. In S. Loue & M. Sajatovic (Eds.), *Encyclopedia of Women's Health* (Vol. 1, p. 425). US: SpringerLink. DOI: 10.1007/978-0-306-48113-0_282

Salisbury, A.L (2004). Maternal Separation. In S. Loue & M. Sajatovic (Eds.), *Encyclopedia of Women's Health* (Vol. 1, p. 398). US: SpringerLink. DOI: 10.1007/978-0-306-48113-0_282

Salisbury, A. L. 2010. Before Infant Assessment: Fetal neurobehavior. In B. M. Lester & J. D. Sparrow (Eds.), *Nurturing Children and Families: Building on the Legacy of T. Berry Brazelton* (pp. 29-39). West Sussex, UK: John Wiley and Sons

OTHER NON-PEER REVIEWED PUBLICATIONS

Battle, C. L., & **Salisbury, A. L.** Treatment of antenatal depression. *J Midwifery Women's Health*, 2010, 55(5), 479; author reply 479-480. [PMID:20732671](#)

Book Reviews published in Journal of Developmental Pediatrics:

Journal of Developmental & Behavioral Pediatrics. 26(5):391-392, October 2005.

The Fetal Matrix: Evolution, Development, and Disease.

Journal of Developmental & Behavioral Pediatrics. 25(3):216-217, June 2004.

Progress in Infancy Research, Volume 3.

Journal of Developmental & Behavioral Pediatrics. 25(2):134, April 2004.

Progress in Infancy Research, Volume 2.

Journal of Developmental & Behavioral Pediatrics. 23(3):185, June 2002.

Fetal Growth and Development.

PUBLISHED ABSTRACTS (selection)

1. Salisbury, A., Minard, K., & Thoman, E.B. Infant Crying: all or None Reporting on Mothers' Cry Logs. *Sleep Research*, 1996; 25:86.
2. Salisbury, A., Minard, K., & Thoman, E.B. Infant Crying Throughout the 24-Hour Day: Mothers' Logs are Reliable but not Accurate. *Infant Behavior and Development*, 1996, Special ICIS Issue.
3. Novosad, C., Salisbury, A., & Thoman, E.B. Behavioral State: A Component of Mother-Infant Interaction. *Developmental Psychobiology*, 1996; vol. 29 (Abstracts Issue).
4. Novosad, C., Salisbury, A., & Thoman, E.B. Infant's Sleep/Wake States During Early Postnatal Weeks and Mother-Infant Interaction at 7 Months. *Developmental Psychobiology*, 1997; 30:259 (Abstracts Issue).
5. Salisbury, A., Hunsley, M., & Thoman, E.B.. Sleep Characteristics of Excessively Crying Infants at 5 Weeks of Age. *Sleep Research*, June 1997.
6. Hunsley, M., Salisbury, A., & Thoman, E.B. Temporal Patterning and Individual Differences in Excessively Crying Infants Throughout the 24-Hour Day. *Infant Behavior and Development*, 1998; 21:473.
7. Salisbury, A., Hunsley, M., & Thoman, E.B.. State organization in Excessively Crying Infants. *Infant Behavior & Development*, 1998; 21:667.

8. Montgomery-Downs, H., Salisbury, A. & Thoman, Evelyn B. Quiet Sleep Respiration Rate: Relationship with Crying in Irritable Infants, Developmental Psychobiology, 1998; 33 (Abstracts issue).
9. Hunsley, M, Salisbury, A., & Thoman, E. Sleep in irritable infants: differences as a function of diurnal consistency of peak cry time, Developmental Psychobiology, 1998; 33 (Abstracts Issue).
10. Salisbury, A., Bocanegra, M., LaGasse, L., Lester, B., Fetal Neurobehavior and Maternal Depressed Mood. Developmental Psychobiology: 41(1): 70, 2002 (Abstracts issue).
11. Salisbury, A., Lester, B., Tronick, E., Seifer, R., LaGasse, L., Bauer, C., Shankaran, S., Bada, H., Wright, L., Smeriglio, V., Liu, J., Poole, K., The Maternal Lifestyle Study: Maternal Depression and Cocaine Effects on Infant Neurobehavior, Pediatric Research, April 2002, Pediatric Academic Societies Annual Meeting Program Issue, Volume 51, Platform session at the 2002 Society for Pediatric Research Conference in Baltimore, Maryland.
12. Salisbury, A., Yanni, P., Bocanegra, M., LaGasse, L., Lester, B., Fetal behavioral reactivity and depressed maternal mood. Archives of Women's Mental Health (2003): 6[suppl 1]: S22. Paper presented at The North American Society For Psychosocial Obstetrics and Gynecology annual meeting, Lihue, Hawaii, February, 2003.
13. Salisbury, A., DiPietro, J., Pearlstein, T., Wisner, K., Carr, S. and Lester, B. 2006. Prenatal Serotonin Reuptake Inhibitor Exposure: Fetal and Infant Outcomes. Developmental Psychobiology, 2006 48(7):p.624
14. K.L. Ponder, A.L. Salisbury, B.G. McGonnigal, A.M. LaLiberte, J.F. Padbury, Effects of maternal mood and antidepressant use on placental gene expression, Poster presented at the Annual Meeting of the International Federation of Placenta Associations, October 2009, abstract published in Placenta, 30(9):A101.
15. Salisbury, A.L., McFarland, J.B., & DiPietro, J.A., Fetal behavioral indicators for state classification. Developmental Psychobiology, 2009 51(7): 598.
16. Salisbury, A.L. Neurobehavioral development from 26 weeks gestation through the first year after birth in infants exposed to maternal depression, anxiety, and antidepressant treatment during pregnancy. Developmental Psychobiology, 2010 52(7).
17. Singer-Clark, T., Young, ME, Salisbury, AL, Fetal complex movement patterns associated with behavioral arousal are related to later infant neurodevelopment. Sleep, 2012 35:A362 Sleep, 2012 35:A362
18. Bloomhardt, H., Young, ME, Salisbury, AL, Sleep state development in early infants after prenatal exposure to maternal depression and antidepressant medication use. Sleep, 2012 35:A362
19. Sheinkopf, S.J., Barry, R.A., & Salisbury, A.L. Neurobehavioral Responses in Fetuses At Risk for Autism, Conference Paper, May 2012

20. Sheinkopf, S.J., Andreozzi, L., Tenenbaum, E.J., Salisbury, A.L., & Lester, B.M., Diminished Social Responses During Neurobehavioral Exam in Newborns At-Risk for Autism, International Meeting for Autism Research (IMFAR), San Sebastian, Spain, May 2-4, 2013
21. Hawes, K.Bigsby, R. Laptook, A., Lester, B.M., Miller, R., Padbury, J.F., Salisbury, A.L., Sullivan, M.C., Taub, M. The Practice Environment, Stress And Burnout Among Neonatal Health Professionals Before And After The Transition To Single Family Room NICU, *Nursing Research*, March 2013: 62(2):E59-E59
22. Stone, K.C., Miller-Loncar, C.L., Salisbury, A.L., 2014, Sleep quality in pregnancy predicts postpartum depression and stress. *Sleep*, 2014, Volume 37 (*Abstracts Supplement*):A296.
23. Stone, K.C., Salisbury, A.L., Loncar, C.L., Mattera, J.M., Johnsen, D.M. 2016, Hypnotic Use Moderates Changes in Depression Severity From Trimester 2 to 6-Months Postpartum, *Sleep*, 2016, Volume 39 (*Abstracts Supplement*):A294
24. Mattera, J., Miller-Loncar, C.L., Andersen, G.M., Johnsen, D., Salisbury, A.L., Circadian Neurohormone excretion and objective sleep measures in toddlers pre-natally exposed to maternal depression and antidepressant medication, *Sleep*, April 2017, Vol. 40 (suppl_1):A20-A20 DOI: 10.1093/sleepj/zsx050.050
25. Salisbury, A.L., Mattera, J., Miller-Loncar, C.L., Andersen, G.M., Anders, T.F. The effects of prenatal exposure to maternal depression and antidepressant treatment on sleep state development in toddlers. *Sleep*, April 2017, Vol. 40 (suppl_1):A20-A20 DOI: 10.1093/sleepj/zsx050.051

INVITED PRESENTATIONS

1. 1999.University of Rhode Island, Department of Nursing, Psychopharmacology in Children and Adolescents, Kingston, RI, Regional
2. 2005, May 14., Bradley Hospital Social Work Grand Rounds, Sleep Development and Clinical Practice, Providence, RI, Regional
3. 2004, September 21. Marce Society, Fetal Neurobehavior and Depressed Maternal Mood, Oxford, UK, International
4. 2005, University of Pittsburgh, Psychiatry Department, Ultrasound evaluation of the effects of SRI medications on the developing fetus., Pittsburgh, PA, National
5. 2006, March 22., University of Rhode Island Colloquium of Nursing Research, Prevention of Psychopathology in Children: Fetal Origins of Biobehavioral Regulation., Kingston, RI Regional
6. 2006, March 22., University of Rhode Island Colloquium of Nursing Research, Psychophysiological Measurement of the fetus and infant., Kingston, RI Regional
7. 2006, March 28., Rhode Island Infant Mental Health Association, Sleep development and clinical issues in pediatrics, Providence, RI, Regional

8. 2006, October 14., International Perinatal Brain and Behavior Network, Fetal Behavioral State Scoring: Time for a Change?, Washington, D.C., International
9. 2007, May 3., Current Concepts in Fetal and Neonatal Care, Women & Infants Hospital, Depression in Antepartum and Postpartum Women: Using Antidepressants Before, During and After Pregnancy, Providence, RI, Regional
10. 2007, June 5. Neurobehavioral Teratology Society, Teratology Society, & the Organization of Teratology Information Specialists, Fetal Behavioral Assessments: Prenatal Depression and Antidepressant Use, Pittsburg, PA, National
11. 2008, January 18. Pediatrics Department Grand Rounds, Rhode Island Hospital, Prenatal Depression and antidepressant exposure; fetal and neonatal outcomes, Providence, RI., Regional
12. 2008, October 9. Department of Neuroscience, University of West Virginia, Prenatal Depression and SSRI exposure: fetal and neonatal outcomes. Morgantown, West Virginia, Regional
13. 2008, November 12. Science Directorate of the American Psychological Association and by the International Society for Developmental Psychobiology, Neurobehavioral assessment from pre- to postnatal life. Fetal to Infant Continuities: Constructs and Measurement, Washington D.C., International
14. 2008, November 15. Internal Society for Developmental Psychobiology, Serotonin, SRIs and fetal neurobehavior: Translational implications in developmental psychobiology, Symposium Chair, Washington, D.C., International
15. 2008, December 16. Providence Sleep Research Interest Group, Infant neurobehavioral outcomes in relation to prenatal depression, maternal sleep, and antidepressant medication use., Providence, RI, Regional
16. 2009, February 4. North American Society for Psychosocial Obstetrics & Gynecology, Messages from the Womb: Maternal Antidepressant Use and Fetal Neurobehavior, New Haven, CT, National
17. 2009, March 19. Annual Best Beginnings Conference, “What Babies Have to Say – Understanding the Language of the Newborn” Warwick, RI, Regional
18. 2009, September 30. Sigma Theta Tau, Rhode Island Chapter Invited Symposium. The Fetal Behavior Studies Program: Examining Fetal and Infant Neurobehavioral Development. Providence, RI, Regional
19. 2009, December 8. American College of Neuropsychopharmacology, “SSRI and MDD Exposure Effects on Neurobehavioral Development from Fetus to Infant”, Hollywood, FL, National
20. 2010, April 16. International Conference on Infant Studies. Invited Paper Symposium, In the Beginning: How Fetal Research Can Inform Understanding of Persisting Prenatal Influences on Development: “Fetal Behavior During Prenatal Maternal Depression and Antidepressant Exposure”, San Diego, CA, International

21. 2010, June 28. Neurobehavioral Teratology Society, Teratology Society, & the Organization of Teratology Information Specialists, Reproductive Psychiatry Symposium, Messages from the Womb: Maternal Antidepressant Use and Fetal Neurobehavior, Louisville, KY, National
22. 2010. October, 14. Marce Society, "Examination of fetal neurobehavior at the time of exposure to maternal depression and antidepressant use", Pittsburg, PA, International
23. 2010, December 7. American College of Neuropsychopharmacology, NIDA Symposium, "Association between Drugs of Abuse and Postpartum Depression", Ft. Lauderdale, FL., National
24. 2011, October 3. Children's Environmental Health, Alpert Medical School, Epigenetics And Fetal Origins of Health and Disease Symposium. "Prenatal Exposures, Placental Biomarkers and Developmental Outcomes"
25. 2012, April 25. Methadone vs. Buprenorphine: The MOTHER Study, Invited Lecture at The annual meeting of the North American Society for Psychosocial Obstetrics and Gynecology, Providence, RI.
26. 2015, Sept 16. Standardized neurobehavioral assessment: what can it tell us? Milwaukee Children's Hospital, Neonatology Rounds, Milwaukee, WI
27. 2017. Developmental impact of prenatal maternal depression and antidepressant treatment on Infant Mental Health, Rhode Island Infant Mental Health Association, Spring Series, March 2017.
28. 2017. The relationships between gestational SRI exposure, SRI bioeffect, and infant neurobehavioral outcomes, Organization of Teratology-Information Specialists Annual Meeting, Denver, CO, June 2017.
29. 2017. Prenatal SSRI and Concomitant Drug Exposures: Infant Outcomes, Northwestern University, Perinatal Mental Health research group, Chicago, IL, September, 2017.

GRANT AWARDS

Completed Grant Awards:

1. 6/1/02-8/31/07 K23MH065479-01 **Principal Investigator**
Maternal Antidepressant Use and Fetal Neurobehavior
NIMH Total Direct Costs \$604,517; Indirect Costs \$48,122
2. 7/01/07 -6/30/10 R03MH082214 Co-Investigator(PI: S. Sheinkopf)
Pre- and Postnatal Neurobehavioral Profiles in Infants at Risk for Autism
NIMH Total Direct Costs \$100,000; Indirect Costs \$48,400
3. 7/1/07 - 12/30/10 Clinical Innovator Award, Co-Investigator(PI: L. Stroud)
Maternal Smoking: Fetuses in Withdrawal?
Flight Attendant Medical Research Institute
Total Direct Costs \$204,000; Indirect Costs \$16,320

4. 8/13/07 - 6/30/11 R34 MH079108 Co-Investigator (PI: C. Battle)
Treatment Decision-Making among Depressed Pregnant Women
NIMH Total Direct Costs \$411,500; Indirect Costs \$184,900
Subcontract Total Costs: \$18,943
5. 7/28/10 - 7/27/11 S10 RR026421 **Principal Investigator**
2D-4D Capable Ultrasound Machine
NIH National Center for Research Resources
Total Costs \$253,000
6. 7/1/05 - 11/30/11 R01 DA 019558 Co-Investigator (PI: L. Stroud)
Prenatal Smoking, fetal behavior, and infant withdrawal
NIDA Total Direct Costs \$2,492,385 Indirect Costs \$796,885
Subcontract Total Costs: \$303,943
7. 9/30/04 - 12/30/11 R01 DA015778 Co-Investigator (B. Lester, PI)
Maternal Opioid Treatment: Human Experimental Research
NIDA Total Direct Costs \$1,593,125 Indirect Costs \$384,940
8. 2/1/08 - 1/31/2013 **R01 MH078033 Principal Investigator**
Fetal and Neonatal Neurobehavior and Prenatal Antidepressant
Exposure
NIMH Total Direct Costs \$2,189,949 Indirect Costs \$886,735
9. 2/15/2012-1/31/2014 **R03 MH096036-01 Principal Investigator**
Sleep and biological rhythms after fetal exposure to antidepressants
NIMH Total Direct Costs \$100,000 Indirect costs \$45,500
10. 1/1/2014-12/31/2014 Co-Investigator Non-Federal, Brown Behavioral Brain Network
Institute
Brown University \$30,000
Of Mice and Methylation
11. 9/1/2007-6/1/2014 **R01 MH079153 Co-Investigator (PI: L. Stroud)**
Maternal depression, placental HPA regulation, & fetal-neonatal
stress response
NIMH Total Direct Costs \$2,575,135
Indirect Costs \$1,210,313
Subcontract Total Costs \$635,135
12. 3/1/2014 – 2/28/2016 R03 DA035896 Co-Investigator (PI: Stroud, PI)
Imaging the Developing Fetal Brain: Novel Markers of Risk for
Maternal Smoking
NICHD Total Direct Costs \$160,355
13. 12/1/2014-11/30/2015 Grand Challenges Explorations-1 (PI: Deoni)
Bill & Melinda Gates Foundation
Imaging Healthy Infant Brain Myelination

14. 8/15/11-4/30/17 R01DA031188 (Stroud, PI)
Maternal smoking: HPA and epigenetic pathways to infant
neurobehavioral deficits
NIDA

Present Grant Awards:

Active

R01DA045492-1 (Stroud, Salisbury) 8/1/2018 - 7/30/2023
NIDA

Electronic Cigarettes During Pregnancy: Impact on Fetal Development

The proposed study is an intensive prospective investigation of three groups of mother-fetus pairs: E-cig users, Cig users and Controls. Comprehensive measures of fetal growth, neural structures, and neurobehavioral development will be assessed over pregnancy using 2D and 3D ultrasonography followed by neonatal ultrasound and neurobehavioral assessment. Maternal and fetal nicotine, combustion and carcinogenicity biomarkers will also be assessed.

Role: Multi-PI

R01MH78033-10 (Salisbury) 2/1/2008 - 1/31/2019 NCE
NIMH

Fetal and Neonatal Neurobehavior and Prenatal Antidepressant Exposure: The Child

The purpose of this study is to examine the effects of prenatal antidepressant exposure, compared to maternal depression, on child neurobehavioral development. Lack of information on the risks of prenatal SRI exposure versus exposure to untreated MDD, with respect to later development, greatly hinders informed risk-benefit decision making for MDD treatment during pregnancy. The objective of this application is twofold: (1) to determine how prenatal SRI exposure and associated changes in fetal serotonin affect outcomes in preschool children; and (2) to identify potential biomarkers associated with these effects.

Role: PI

R01DA036999-5 (Stroud) 8/1/2013 - 4/30/2019 NCE
NIDA

Fetal behavior, brain, & stress response: Ultrasound markers of maternal smoking

Although structural brain deficits have been proposed as a key candidate mechanism underlying links between maternal smoking and offspring neurobehavioral deficits, no studies have integrated neural and behavioral markers of risk from maternal smoking. Our goals are to determine effects of maternal smoking on: 1) trajectories of fetal neurobehavioral deficits, 2) alterations in fetal stress response, and 3) volume decrements in neural and neuroendocrine structures over pregnancy. We will then test the proposal that trajectories of fetal neuro-behavioral and neural markers of risk predict infant neurobehavioral deficits and stress response.

Role: Co-I

R01NR014540-4 (Battle, Salisbury) 8/1/2014 - 7/31/2019
NINR

RCT of a tailored walking program to reduce stress among pregnant women

This study will examine whether a gentle, physical activity intervention can improve mood among pregnant women with elevated depressive symptoms. A randomized controlled trial will compare a pedometer-based walking program to a health education control group and will involve follow-up assessments to examine change in depressive symptoms, as well as several other outcomes that are important to the health and wellbeing of pregnant women and their infants.

Role: Multi-PI

R01HD081868-3 (Battle)

9/1/2015 -6/30/2020

NICHD

Efficacy of a prenatal yoga intervention for antenatal depression

This study will test whether a prenatal yoga intervention can improve depression symptoms during pregnancy. A randomized controlled trial will compare a gentle yoga program for pregnant women to a health education control group. In addition to examining whether or not the yoga intervention improves depression, we will also examine whether the yoga intervention decreases anxiety, improves physical functioning and sleep, and decreases rates of preterm birth

Role: Co-I

R01DA044504-1 (Stroud)

9/1/2017 -8/31/2022

NIDA

Prenatal Marijuana: Impact on Infant Neurobehavior, Stress, & Epigenetic Mechanisms

This study investigates the impact of prenatal cannabis use on infant neurobehavioral development as well as key plausible biological pathways.

Role: Co-I

PENDING

R01HD095542-0 (Salisbury, Rasmussen-Torvik)

12/1/2018-11/30/2022

NICHD

P3ROFESS: Predictors, Prevalence and PeRsistence of Signs Associated with Fetal Exposure to SSRI

The proposed project will add rigorous phenotyping of fetuses, neonates and infants of the OPTI-MOM mothers taking SSRIs during pregnancy, and of the offspring of a newly recruited comparison group of un-medicated pregnant women with MDD. Behavior patterns, etiologic mechanisms, and predictors of fetal, neonatal, and infant responses to in-utero SSRI exposure will be defined. The objective is to definitively characterize NAS and clarify the mechanisms through which SSRI exposure exerts effects on offspring. The central hypothesis is that prenatal SSRI exposure alters fetal serotonin function in both the short and long term, and that these changes are mechanistically linked to the course and intensity of NAS and to alterations in later development.

Role: Multi-PI

CONSULTANT:

R01 DA042484-02: Stroud/Scott-Sheldon (MPI) 08/15/2016-6/30/2019

Impact of flavors and design features on patterns of waterpipe use and toxicity in pregnant mothers. This study investigates the impact of flavors and design features on patterns of waterpipe tobacco use, dependence, and biomarkers of toxicant exposure across pregnancy and the postpartum period.

UNIVERSITY TEACHING ROLES

- 1997-2001: Clinical Preceptor for Nursing Sciences in Child and Adolescent Psychiatry
Boston College, School of Nursing
University of Rhode Island, Department of Nursing
5 students over 4 years
- 2000-Present: Department of Pediatrics,
Developmental and Behavioral Pediatrics Program
Didactic teaching sessions for residents
“Pediatric Sleep”
2-3 residents per month, January-June
- 2003-Present** **Research Training/Mentoring (Total = 38 through 2018);** 24
undergraduates, 6 post-graduate/medical school. 8 junior faculty

Other University Teaching Roles:

- November 2004: BC 121 course: Stress & Disease with Dr. Donald Giddeon;
consultant and evaluator for class presentations.
- 2009-present: Instructor, Infant Mental Health Certificate Program,
Brown Center for Children
- 2010-present Guest lecturer, University of Rhode Island, School of Nursing,
Child & Family Psychiatry Graduate Nursing program

HOSPITAL TEACHING ROLES

- 1991-1993: Coordinator of Staff Development,
Bradley Hospital, East Providence, RI
- 2001-present: Consultant for Women & Infants Neonatal Intensive Care Unit.
- 2001-present: Certified NICU Network Neurobehavioral Scale (NNNS) Trainer.