

## Curriculum Vitae

**Barbara Medoff-Cooper, PhD, RN, FAAN**

### **Business Address:**

University of Pennsylvania, School of Nursing  
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### **EDUCATION**

Ph.D.	1978 – 1984	Temple University, Educational Psychology Child Development Cognate
MS	1970 – 1972	University of Maryland, Nursing
BSN	1966 – 1970	Trenton State College, Nursing

### **POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS**

Post-doctoral Fellowship	1984 – 1986	University of Pennsylvania Robert Wood Johnson, Post Doctoral Clinical Nurse Scholars Program
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### **PROFESSIONAL EXPERIENCE**

2006 – present	Ruth M. Colket Endowed Chair in Pediatric Nursing/ The Children's Hospital of Philadelphia
2005 – present	Professor, University of Pennsylvania, School of Nursing
2004 – 2005	Professor (sabbatical), University of Pennsylvania, School of Nursing
1977 – 2002	Pediatric Nurse Practitioner – part time Cinnaminson Pediatric Associates/Kid's First,

Cinnaminson, N.J.

1973 – 1977

Pediatric Nurse Practitioner,  
Cinnaminson  
Pediatric Associates, Cinnaminson, N.J.

### **ACADEMIC POSITIONS**

2005 – Present

Professor of Nursing in Pediatrics, The Children's  
Hospital of Philadelphia (secondary appointment)

1996 – Present

Professor, University of Pennsylvania, School of  
Nursing

1989 – 1996

Associate Professor (Tenured, 1992) University  
Of Pennsylvania, School of Nursing,

1988 – 1989

Associate Professor (Clinician Educator)  
University of Pennsylvania, School of Nursing

1986 – 1988

Assistant Professor (Clinician Educator)  
University of Pennsylvania, School of Nursing

1981 – 1984

Instructor, University of Pennsylvania, School of  
Nursing

1980 – 1981

Assoc. Professor, Thomas Jefferson University,  
Department of Baccalaureate Nursing

1977 – 1980

Assistant Professor, Thomas Jefferson  
University, Department of Baccalaureate Nursing

### **CLINICAL & ADMINISTRATIVE POSITIONS**

2005 – 2010

Director, Biobehavioral Research Center  
University of Pennsylvania, School of Nursing

1996 – 2003

Director, Center for Nursing Research  
University of Pennsylvania, School of Nursing

1986 – 1996

Director, Neonatal Nurse Practitioner Track,  
Graduate Perinatal Program,  
University of Pennsylvania, School of Nursing

1981 – 1984

Instructor, Coordinator, Young Family Track,  
Primary Care Program,  
University of Pennsylvania, School of Nursing

## **OTHER APPOINTMENTS**

### **Licensure**

1970 – Present	Pennsylvania
1970 – Present	New Jersey

## **HONORS, AWARDS and MEMBERSHIPS IN HONORARY SOCIETIES**

2014	Visiting Professor, Wisconsin Children's Hospital
2012	Council for the Advancement of Nursing Science Outstanding Nurse Research Award
2012	John Morgan Society, University of Pennsylvania
2009-2011	Robert Wood Johnson RN Faculty Scholars Program - Sr. Nurse Mentor
2006	AWHONN Outstanding Nurse Researcher
2006- Present	Ruth M. Colket Endowed Chair in Pediatric Nursing
2005	TCNJ School of Nursing Outstanding Alumni Award in Nursing Research
2004	Claire M. Fagin Research Award
2003	Visiting Professor, Hong Kong University
2003	Helen M. Shearer Professor in Nutrition
2002	Chiron Mentorship Program – Sigma Theta Tau
2000	Johnson and Johnson Round Table Participant – Infant Crying
1996 – Present	Visiting Professor – Hebrew University
1997	Senior Scholar, Frank Porter Graham Institute
1989	Fellow, American Academy of Nursing, elected
1987	Philadelphia Perinatal Society, elected
1984 – 1986	Robert Wood Johnson Clinical Nurse Scholar
1972	Sigma Theta Tau, Xi Chapter, elected

## **RESEARCH**

"Development and Temperament in Very Low Birth Weight Infants" (**Medoff-Cooper, B.**, Schraeder, B.) Funded: College of Allied Health, Thomas Jefferson University \$1,000 (1982).

"Development and Temperament in Very Low Birth Weight Infants" (**Medoff-Cooper, B.**, Schraeder, B.) Funded: American Nurses Foundation \$1,500 (1983).

"Early Infancy Temperament Questionnaire" (Carey, W., **Medoff-Cooper, B.**, McDevitt, S). Funded: American Academy of Pediatrics \$3,000 (1985).

"The Effects of Nursing Care Procedures on Physiologic Parameters in Very Low Birth Weight Infants with Bronchopulmonary Dysplasia" (**PI, Medoff-Cooper, B.**) Funded: Sigma Theta Tau National Nursing Honor Society, Xi Chapter \$500 (1986).

"The Effects of Nursing Care Procedures on Cardiorespiratory and Sucking Parameters in Very Low Birthweight Infants" (**PI, Medoff-Cooper, B.**) Funded: University Research Foundation \$4,157 (1987).

- "Clinical Evaluation of Suctometer in Newborn Nursery" (**PI, Medoff-Cooper, B.**) Funded: Benjamin Franklin Partnership Research Funds" \$71,655 (1987-1988).
- "Neonatal Nutritive Sucking Behaviors" (**PI, Medoff-Cooper, B.**, Delivoria-Papadopoulos, M., Litt, M.) Funded: Biomedical Research Support Grant, Division of Research Resources \$3,400 (1988-1989) Grant # 2507-RR05948.
- "Neonatal Sucking as a Clinical Assessment Tool" (**PI, Medoff-Cooper, B.**, Delivoria-Papadopoulos, M., Litt, M.) Funded: Sigma Theta Tau International \$2,900 (1989-1990); National Center for Nursing Research, NIH \$306,050 (1989-1992), Grant # J-RO1-NR 02093-O1A1.
- "Early Infancy Temperament Questionnaire" (**PI, Medoff-Cooper, B.**) Funded: Biomedical Research Support Grant, Division of Research Resources \$1,950 (1989-1990) Grant #2-S07 RR-07083-24.
- "Neurobehavioral development in Cocaine Exposed Infants" (**PI, Medoff-Cooper, B.**) University Research Foundation, \$8,500.00 (1992-1994).
- "Nutritive Sucking in Extremely Low Birth Weight Infants" (**PI, Medoff-Cooper, B.**) Center for Serious Illness, University of Pennsylvania, \$5,000.00 (1992-1994).
- "Sucking Device for Feeding Low Birth Weight Infants" (**PI, Medoff-Cooper, B.**, KDL Medical Technologies, Inc.) National Institute for Nursing Research, \$25,000.00 (1993-1994) Grant #R43 NR03472-01.
- "Nutritive Sucking: Behavioral and Physiologic Correlates" (**PI, Medoff-Cooper, B.**) National Institute of Nursing Research, \$1,166,372.00 (1994-1999) Grant # 2R01NR02093-04A3.
- "Nutritive Sucking: Behavioral and Physiologic Correlates" (**PI, Medoff-Cooper, B.**) Public Health Services Grant, \$28,000.00 (1995-1999) Grant # MO1-RR00040.
- "Early discharge of VLBW Infants" (**Medoff-Cooper, B.**, Gibson, E.) Research Consultant and Co-Investigator, Keystone Health Plan, \$125,000.00 (1995-1996).
- A Sucking Device for Feeding Low Birth Weight Infants (**PI, Medoff-Cooper, B.**, KDL Medical Technologies, Inc.) National Institute for Nursing Research, \$750,000.00 (1996-1999). Supplement, \$94,000.00 (1999-2000)
- "The Effect of Birth Weight on Blood Pressure in Late Childhood." (**Co-I, Medoff-Cooper, B.**) National Heart, Lung and Blood Institute, NIH), \$129,844.00. (1999-2002)
- "Predictors of Failure to Thrive in Infants with Congenital Heart Disease" (**PI, Medoff-Cooper, B.**) University Research Foundation, \$28,000.00, (2000-2002).
- "Feeding Behaviors and Energy Balance: Infants with CHD" (**PI, Medoff-Cooper, B.**) NINR, NIH \$3,208,859.00 (7/1/02- 6/31/07) No Cost Extension granted through 5/31/10; Grant # 2-R01 NR

002093-09A1. Genetics Supplement, NINR, NIH \$346,438.00 (9/1/04-6/31/07); Grant #3 R01 NR002093-11-S1A1.

“Infant Functional Status and Discharge Management” (**Co-I, Medoff-Cooper, B.**) Maternal and Child Health Services, Department of Health and Human Services, \$1,432,941.00 (7/1/01-6/31/05).

“An EXPORT Center of Excellence in Inner City Health”, (**Co-I and core Director of the pilot studies, Medoff-Cooper, B**) National Center for Minority Health and Health Disparities, \$6,259,154.00 (9/28/02-9/29/07).

“Hampton Penn Center to Reduce Health Disparities” (**Co-I and assistant core director of pilot studies**), National Institute of Nursing. \$1,265,377.00 (9/30/2002-8/31/07). “Comparison of Feeding Behaviors in AGA vs. SGA Preterm Infants” (PI, Medoff-Cooper, B.) Elizabeth Wright Fund, \$10,000.00 (11/1/05-10/31/06).

“Effects of age at feeding onset on development in preterm infants” (**PI, Medoff-Cooper, B.**) Percival Roberts Junior Trust, \$174,000.00, (2/1/06- 12/31/09).

Institutional Clinical and Translational Science Award (**Nursing Research Core Director**). NIH, \$2,568,560. Grant # UL1 RR 024134-01. Garrett Fitzgerald, PI. (2006-2011).

“Feeding/Transition to home for preterms at social risk” (**Sub PI, Medoff-Cooper, B.**) National Institute of Child Health and Human Development. \$567,334.00 annual study directs; \$35,877.00 annual sub directs. (9/21/07-7/31/09). Grant # 1 RO1 HD/050738-01A2 (PRIME PI, White-Traut, R.).

“New Technology for Feeding Assessment of Newborn Infants” (**PI, Medoff-Cooper, B.**) Ben Franklin Technology Partnership of South Eastern Pennsylvania. \$25,000 (2008 – 2009).

“Home Feeding Study” (**CO-I, Medoff-Cooper, B.**) Cardiac Center, The Children’s Hospital of Philadelphia, \$25,000.00 (2008-2010).

“Sleep Patterns and Maternal Stress: Mothering Infants with Congenital Heart Disease”, (**PI, Medoff-Cooper**). Cardiac Center, The Children’s Hospital of Philadelphia, \$25,000.00 (2009-2010; No Cost Extension 2010-2011).

“Using Community Collaborative Methods to Decrease Inter-stage Mortality in Infants with Complex Congenital Heart Disease”, (**PI, Medoff-Cooper**), School of Nursing, \$20,000.00 (2010-2011).

“Randomized Clinical Trial of High vs. Standard-Calorie Formula for Methadone-Exposure”, (**Sub PI, Medoff-Cooper, B**) National Institutes of Health, \$275,000 direct cost of subcontract, (7/1/2010-6/30/2012) Grant # R21 DA029257 (Bogen, D., PI, University of Pittsburgh).

“Transitional Telehealth Home Care: REACH”. (**PI, Medoff-Cooper, B.**) National Institutes of Health, Total Cost \$3,872,890.00. (9/21/2011-6-30-2016) Grant # NR002093

## **TRAINING GRANTS**

Graduate Education in Neonatal Nursing. Funded: Division of Nursing \$461,523 (1987-1990).  
Grant # 5-D23-NU-00695.

## **PUBLICATIONS**

### **Articles-Research**

- Medoff-Cooper, B.** & Schraeder, B. (1982). Developmental trends and behavioral styles in very low birth weight infants. *Nursing Research*, *31*, 69-72.
- Schraeder, B. & **Medoff-Cooper, B.** (1983). Development and temperament in very low birth weight infants: the second year. *Nursing Research*, *32*, 331-335.
- Medoff-Cooper, B.** (1986). Temperament in very low birth weight infants. *Nursing Research*, *35*, 139-143.
- Medoff-Cooper, B.** & Brooten, D. (1987). The effects of feeding cycle on neurobehavioral assessment in very low birth weight infants; a pilot study. *Nursing Research*, *36*, 15-317.
- Medoff-Cooper, B.** (1988). The effects of handling on preterm infants with bronchopulmonary dysplasia. *Image: Journal of Nursing Scholarship*, *20*, 132-134.
- Younkin, D., **Medoff-Cooper, B.**, Guillet, R., Sinwell, T., Chance, B. & Delivoria-Papadopoulos, M. (1988). In vivo 31-P NMR measurement of cerebral metabolite alterations following neonatal intraventricular hemorrhage. *Pediatrics*, *82*, 331-336.
- Kunne, M., O'Brien, C., Munro, B. & **Medoff-Cooper, B.** (1988). Comparative study of rectal, femoral, axillary, and skin/mattress temperatures in stable neonates. *Nursing Research*, *37*, 162-167..
- Medoff-Cooper, B.** & Healy, N. (1989). The clinical specialist-staff nurse research team: A model for clinical research. *Clinical Nurse Specialist*, *3*, 16-19.
- Medoff-Cooper, B.** & Weininger, S., Zukowsky, K. (1989). Neonatal sucking as a clinical assessment tool: Preliminary findings. *Nursing Research*, *39*, 162-165.
- Lybrand, M., **Medoff-Cooper, B.**, Munro, B. (1990). Comparison of specific gravity measurements of urine specimens from diapers and urine bags over time. *MCN*, *15*, 238-239.
- Medoff-Cooper, B.** & Delivoria-Papadopoulos, M. & Brooten, D. (1991). Serial neurobehavioral assessments in preterm infants. *Nursing Research*, *40*(2), 94-97.
- Medoff-Cooper, B.** (1991). Changes in nutritive sucking patterns with increasing gestational age. *Nursing Research*, *40*(4), 245-247.
- Gennaro, S., **Medoff-Cooper, B.**, & Lotas, M. (1992). Perinatal factors related to difficult temperament in preterm low birth weight infants. *Nursing Research*, *41*, 375-377.
- Lotas, L., Penticuff, J., **Medoff-Cooper, B.**, Brooten, D., & Brown, L. (1992). The Home Scale: The influence of socioeconomic status on the evaluation of the home environment. *Nursing Research*, *41*, 338-341.
- Zhang, P., & **Medoff-Cooper, B.** (1992). Statistical analysis of nutritive sucking data. *Mathematical Sciences Research Institute*, Berkeley, California.
- Medoff-Cooper, B.**, Verklan, T., & Carlson, S. (1993). Nutritive sucking and physiologic correlates in VLBW infants. *Nursing Research*, *42*, 100-106.
- Medoff-Cooper, B.**, Carey, W., & McDevitt, S. (1993). The development of the Early Infancy Temperament Questionnaire. *Journal of Developmental and Behavioral Pediatrics*, *14*(4), 230-235.
- Medoff-Cooper, B.** (1993). Infant Behavioral Styles. *Contemporary Pediatrics*, 4-12.
- Medoff-Cooper, B.** (1994). Transition of the preterm infant to an open crib. *JOGGN*, *23*(4), 329-335.

- Medoff-Cooper, B., & Ray, W. (1995).** State of the Science: Nutritive and Non-Nutritive Sucking. *Image, Journal of Nursing Scholarship*, 27, 195-199.
- Medoff-Cooper, B. (1995).** Infant temperament: Implications for parenting. *Journal of Pediatric Nursing*, 10(3), 141-145.
- Medoff-Cooper, B., Gennaro, S. (1996).** The correlation of sucking behaviors and Bayley Scales of Infant Development at 6 months of age in VLBW infants. *Nursing Research*, 45(5), 291-296.
- Zhang, P. & **Medoff-Cooper, B. (1996).** Within Burst Decay Models for Nutritive Sucking Data. *Biometrics*, 52, 113-125.
- Medoff-Cooper, B. & Dekeyser, F. (1998).** Nursing in Israel: Developing a mentoring partnership. *JOGGN*, 27(2), 197-202.
- Gibson, E., **Medoff-Cooper, B., Kirkby, S. & Greenspan, J. (1999).** Accelerated discharge of very low birth weight infant from neonatal intensive care: A randomized controlled trial. *Journal of Perinatology*, 18(6), 17-23.
- Medoff-Cooper, B., McGrath, J., Bilker, W. (2000).** Nutritive sucking and neurobehavioral development in VLBW infants from 34 weeks PCA to Term. *MCN*, April/May, 64-70.
- Medoff-Cooper, B. (2000).** Multi-system approach to the assessment of successful feeding. *Acta Paediatrica*, 89(4), 393-398.
- DeKeyser, F. G., & **Medoff-Cooper, B. (2001).** A Non-Theorist's Perspective on Nursing Theory: Issues of the 1990's. *Scholarly Inquiry for Nursing Practice*, 15(3), 4-7.
- Medoff-Cooper, B., Bilker, W., & Kaplan, J. (2001).** Sucking behavior as a function of gestational age: A cross-sectional study. *Infant Behavior and Development*, 24, 83-94.
- McGrath J.M., **Medoff-Cooper, B. (2001).** Apnea and periodic breathing during bottle feeding of premature infants. *Communicating Nursing Research*, 34(9), 220.
- Medoff-Cooper, B., McGrath, J. & Shults, J. (2002).** Feeding patterns of full term and preterm infants at forty weeks post-conceptual age. *Journal of Developmental and Behavioral Pediatrics*, 23(4), 231-236
- Hughes, M., Shults, J., **Medoff-Cooper, B. (2002).** Temperament Characteristics of Preterm Infants during the First Year of Life. *Journal of Developmental and Behavioral Pediatrics*, 23(6), 430-435.
- McGrath, J. M. & **Medoff-Cooper, B. (2002).** Alertness and feeding competence in extremely early born preterm infants. *Newborn and Infant Nursing Reviews*, 2(3), 174-186.
- Medoff-Cooper, B. & Chertok, I. (2003).** Fostering Nursing Scholarship: An Israeli Experience. *Reflections on Nursing Leadership*, Spring Quarter, 30-32.
- Medoff-Cooper, B. (2004).** Nutritive Sucking: From Clinical Questions to Research Answers. *Journal of Perinatal Neonatal Nursing*, 18(4), 363-370
- Upham, M. & **Medoff-Cooper, B. (2005).** Maternal Response and Needs After the Birth of an Infant with Congenital Heart Disease. *MCN*, 30(1), 25-29.
- Bromiker, R., Arad, I., Loughran, B., Netzer, D., Kaplan, M., & **Medoff-Cooper, B. (2005).** Comparison of feeding behaviors in Israeli and American preterm infants. *Acta Paediatrica*, 94, 1-4.
- Medoff-Cooper, B., Ratcliffe, S. (2005).** Development of Preterm Infants: Feeding Behaviors and Brazelton Neonatal Behavioral Assessment Scale at 40 and 44 Weeks PCA. *Advances in Nursing Science*, 28(4), 356-363.
- Medoff-Cooper, B., Bakewell-Sachs, S., Buus-Frank, M., & Santa-Donato, A. (2005).** The AWHONN Near-Term Initiative: A conceptual model for optimizing health for the near term infant. *JOGGN*, 34, 661-671.

- Bromiker, R., Rachamin, A., Hammerman, C., Schimmel, M., Kaplan, M., **Medoff-Cooper, B.** (2006). Immature sucking patterns in infants of diabetic mothers. *Journal of Paediatrics*, 149:640-643.
- Medoff-Cooper, B.**, Tulman, L. (2007). Using a focus group to determine car seat use among mothers of children aged 3 to 7 years. *MCN*, 165-160.
- Zisk, R.Y., Grey, M., **Medoff-Cooper, B.** & Kain, Z.N. (2007). Accuracy of parental global-impression of children's acute pain. *Pain Management Nursing*, 8(2), 72-76.
- Lorch, S., Escobar, G., **Medoff-Cooper, B.**, Bakewell-Sachs, S., Silber, J. (2007). Racial Differences in the Use of Respiratory Medications in Premature Infants after Discharge from the Neonatal Intensive Care Unit. *The Journal of Pediatrics*, 604-610.
- Zisk, R.Y., Grey, M., **Medoff-Cooper, B.**, MacLaren, J. E., & Kain, ZN (2008). The squeaky wheel gets the grease: Parental pain management of children treated for bone fractures. *Pediatric Emergency Care*, 24, 89-96.
- Wade KC, Lorch SA, Bakewell-Sachs S, **Medoff-Cooper B.**, Silber JH, Escobar GJ. (2008). Pediatric care for preterm infants after NICU discharge: high number of office visits and prescription medications. *Journal of Perinatology*, 28(10), 696-701.
- Wrotniak, B., Stettler, N., & **Medoff-Cooper, B.** (2008). The Relationship Between Birth Weight and Maturation of Feeding in Preterm Infants Depends on Postmenstrual Age. *Acta Pediatrics*, 98(2), 286-290.
- Bakewell-Sachs, S., **Medoff-Cooper, B.**, Silber, J., Escobar, G., Silber, J., Lorch, S. (2009). Infant Functional Status: The Timing of Physiologic Maturation of Premature Infants, *Pediatrics*, 123, e878-e886.
- Medoff-Cooper, B.**, Shults, J., Kaplan, J. (2009). Sucking behavior of preterm neonates as a predictor of developmental outcomes. *Journal of Developmental and Behavioral Pediatrics*, 30(1), 16-22.
- Silber, J., Lorch, S., Rosenbaum, P., **Medoff-Cooper, B.**, Bakewell-Sachs, S., Milman, A., Mi, L., Even-Shoshan, O., Escobar, G. (2009). Time to Send the Preemie Home?: Additional Maturity at Discharge and Subsequent. *Healthcare Costs and Outcomes. Health Services Research*, 44(2), 444-463.
- Medoff-Cooper, B.**, Irving, S. (2009). Innovative Strategies for Feeding and Nutrition in Infants with Congenitally Malformed Hearts, *Cardiology of the Young* 19 (suppl. 2), 90-95.
- Bell, A., White-Traut, R., **Medoff-Cooper, B.** (2010). Neonatal Neurobehavioral Organization After Exposure to Maternal Epidural Analgesia in Labor. *JOGNN*, 39(2), 178-190.
- Torowicz, D., Irving, S., Hanlon, A. L., Sumpter, D. F., **Medoff-Cooper, B.** (2010). Infant Temperament and Parent Stress in 3 month old Infants following Surgery for Complex Congenital Heart Disease. *Journal of Developmental and Behavioral Pediatrics*, 31(3), 202-208.
- Medoff-Cooper, B.**, Bilker, W., & Kaplan, J. (2010). Sucking Patterns and Behavioral State in One- and Two-Day Old Full-Term Infants. *JOGNN*, 39(5), 519-534.
- Medoff-Cooper, B.**, Naim, M., Torowicz, D., & Mott, A. (2010) Feeding, Growth, and Nutrition in Children with Congenitally Malformed Hearts. *Cardiology in the Young* 20 (suppl. 3), 1-5.
- Medoff-Cooper, B.**, Irving, S. Y., Marino, B. S., Garcia-Espana, J. F., Ravishankar, C., Bird, G. L., & Stallings, V. A. (2011). Weight Change in Infants with Single Ventricle Physiology Following Surgical Intervention to Hospital Discharge. *Cardiology in the Young*, 21(2), 136-144.
- Anderson, J., Marino, B., Irving, S.Y, Ravishankar, C., Stallings, V, **Medoff-Cooper, B.** (2011). Poor post-operative growth in infants with two-ventricle physiology. *Cardiology in the Young*, 21(4), 421 - 429



- DeMauro, S., Patel, P., **Medoff-Cooper, B.**, Posencheg, M., Abbasi, S. (2011). Post-discharge Feeding Patterns in Early and Late Preterm Infants. *Clinical Pediatrics*, 50(10), 957-962
- Richard, V., Zak, V., Ravishankar, C., Altmann, K., Anderson, J., Dunbar-Masterson, C., Ghanayem, N., Lambert, L., Lurito, K., **Medoff-Cooper, B.**, Margossian, R., Pemberton, V., Stylianou, M., Hsu, D. (2011). Factors Impacting Growth in Infants with Single Ventricle Physiology in the First Year of Life: Pediatric Heart Network Infant Single Ventricle Trial. *Pediatrics*, 159, 1017-1022.
- Hartman, D., **Medoff-Cooper, B.** (2012). Transition to Home after Neonatal Surgery for Neonatal Congenital Heart Disease, *MCN*, 37(2), 95-99.
- Bromiker, R., Hammerman, C., Kaplan, M, Schimmel, M., Einav, S., **Medoff-Cooper, B.** (2012). Sucking improvements Following Blood Transfusion for Anemia of Prematurity. *Archives of Pediatrics and Adolescent Medicine*. 166(10):897-901.
- Torowicz, D., Lisanti, A., Rim, J., **Medoff-Cooper, B.** (2012). Implementing developmental care in the cardiac intensive care unit. *Advances in Neonatal Care*, 12(5S), S28-S32.
- Medoff-Cooper, B.**, Holditch-Davis, D., Verklan, MT., Fraser-Askin, D., Lamp, J., Santoa-Donato, A., Onokpise, B., Bingham, D. (2012) Newborn Clinical Outcomes of the AWHONN Late Preterm Infant Research-Based Practice Project. 41(6), 774-785
- Irving, S., **Medoff-Cooper, B.**, Stouffer, N., Schall, J., Ravinshankar, C., Compher, C., Marino, B., Stallings, V. (2013). Resting energy expenditure at 3-months of age following neonatal surgery for congenital heart disease. *Congenital Heart Disease, early view, on line*
- White-Traut, R., Shapiro, N., Healy-Baker, E., Menchavez, L., Rankin, K., **Medoff-Cooper, B.** (2013). Lack of feeding progression in a preterm infant: A case study. *Advances in Neonatal Care*; 13(3) 175-180.
- Medoff-Cooper, B.**, Ravishankar, C. (2013) Nutrition and growth in congenital heart disease: A challenge in children. *Current Opinions in Cardiology*, 128(2):122-129.
- White-Traut, R., Rankin, K., Lucas, R., Shapiro, S., & **Medoff-Cooper, B.** (2013) Evaluating sucking maturation using two pressure thresholds, *Early Human Development*, 89 (10), 833-837.
- Lambert, L., Pike, N., **Medoff-Cooper, B.**, et. al (2014) Variation in Feeding Practices Following the Norwood Procedure: A Report from the Pediatric Heart Network Single Ventricle Reconstruction Trial. *Journal of Pediatrics*. In Press.

## Chapters

- Medoff-Cooper, B.** & Verklan, T. (1992). *Substance Abuse*. In D. Brooten (Ed) NAACOG's Clinical Issues in Perinatal and Women's Health Nursing. Philadelphia: J.B. Lippincott.
- Roncoli, M. & **Medoff-Cooper, B.** (1992). Thermoregulation in Low-birth Weight Infants. In D. Brooten (Ed) NAACOG's Clinical Issues in Perinatal and Women's Health Nursing. Philadelphia: J.B. Lippincott.
- Medoff-Cooper, B.** (1993). In *Nurses, Nurse Practitioner*, M. Mezey, D. McGivern (Eds), (pp 127-132). Boston: Little Brown & Co.
- Medoff-Cooper, B.** (1994). Specific prevention and intervention: Individual differences as risk factors for the mental health of children. The neonatal period. In A Festschrift for Thomas and Chess. W. Carey and S. McDevitt (Eds.) New York: Brunner/Mazel.
- Medoff-Cooper, B.** & Holditch-Davis, D. (1998). Neurobehavioral development. In Fitzpatrick, J. (Ed). *Encyclopedia of Nursing Research*. Vol. 16. New York: Springer Publishing Co.

- Medoff-Cooper, B.** & Holditch-Davis, D. (1999). Nursing research on the preterm infant. In Hindshaw, AS (Ed). *Handbook of Nursing Research*, New York: Sage Publishers.
- Medoff-Cooper, B.** & Holditch-Davis, D. (2005). Neurobehavioral development. In Fitzpatrick, J. (Ed). *Encyclopedia of Nursing Research*, 2<sup>nd</sup> Edition, New York: Springer Publishing Co
- Medoff-Cooper, B.** (2006). Nutritive Sucking. *The Encyclopedia of Human Development*, Kansas City: University of Kansas Press.
- Medoff-Cooper, B., &** Holditch-Davis, D. (2011). "Neurobehavioral Development" in Encyclopedia of Nursing Research. 3<sup>rd</sup> edition, New York: Springer Publishing Co.
- Gould, J., **Medoff-Cooper, B.**, Donovan, E., Stark, A. (2010). Applying Quality Improvement Principles in Caring for the High-Risk Infant. S. Burns (Ed.). *Towards Improving the Outcome of Pregnancy III*, March of Dimes.

## **Reviews**

- Clinical and Educational Applications of Temperament Research, Carey, W. McDevitt, S. (Eds). *Nursing Research*, 1990.
- Response to Determining cold - stress in full term newborns. (1991). *Scholarly Inquiry for Nursing Practice*, 8(2), 125-126.

## **PATENTS & COPYRIGHTS**

### **Instrument Development**

**Early Infancy Temperament Questionnaire:** Medoff-Cooper, B., Carey, W., & McDevitt, S. (1990). Translated into French, Japanese, Italian, Spanish, Polish, Danish and Russian. Used throughout the world in both clinical and research settings.

**NeoNurSucking Apparatus:** Software and hardware development with sole copyright ownership. Patent awarded 2013.

## **CONSULTATION: RESEARCH/EDUCATIONAL**

1987	Health Department of Maine Public Health Outreach Program
1989	University of Maryland, Department of Maternal Child Nursing
1990	New York Hospital, Cornell Medical Center Neonatal Nurse Practitioner Program
1991	NAACOG -Task Force on Thermoregulation in the Newborn, Research Consultant
1991	Denver Children's Hospital, Nutritive Sucking Project
1990 – 1994	University of Illinois, Neurodevelopment Research Project

1991 – 1994	University of Maryland, Neonatal Nurse Practitioner Program
1992 – 1995	University of Texas, Neonatal Nurse Practitioner Program
1995	Research Consultant, Keystone Health Plan, Early Discharge Study
1998 – 1999	East Carolina State University Neonatal Nurse Practitioner Program
1999	Virginia Commonwealth University

### **INTERNATIONAL CONSULTATION**

1990	Montreal Children's Hospital, Nutritive Sucking Project
1992	University of Exeter, U.K., Feeding Preterm Infants
1993	University of Paris, Temperament Measurement
1994	Edmonton University, Preterm Infant Development
1995	University of Tel Aviv
1996 – present	Visiting Professor, Hebrew University
2002	Visiting Professor, Ben Gurion University
2003	Visiting Professor, University of Hong Kong
2005	Visiting Professor- Karolinska Institute, Stockholm
2006	Visiting Scholar, University of Utah, School of Nursing

### **RECENT LECTURES BY INVITATION, SPEECHES, AND WORKSHOPS (2005-2012)**

“Feeding and growth patterns of infants with congenital heart defects” Pediatric Cardiology Meeting, Orlando, Florida, Feb 15, 2005

“Preterm infant feeding patterns as a predictor of developmental outcomes”, University of Utah, School of Nursing, October 9, 2005

“Feeding behaviors and growth in infants with CHD after surgery from birth to 3 months” Pediatric Cardiology Meetings, Scottsdale AZ, Feb 20, 2006

“Developing evidence based care from nursing research” Keynote address, Texas Children's Hospital Research Meeting, May, 2006

- “The near term infant” Keynote address, University of Oklahoma, 1<sup>st</sup> Annual State of the Science on Prematurity and Low Birthweight Research Symposium, Nov, 30, 2006
- “To know feeding is to know the brain: from NMR to MRI” Neonatal Grand Rounds, Children’s Hospital of Philadelphia, January 12, 2007
- “Why doesn’t my infant with CHD eat?” Children’s Hospital of Philadelphia 10<sup>th</sup> annual Pediatric Cardiology Conference, Orlando, Florida, February 2007
- “A guide to clinical assessment of the preterm infant” Sunnybrook Health Sciences Centre, Neonatal Intensive Care Unit; Toronto Breastfeeding Conference. Toronto, Canada, June 1, 2007
- “Parent stress and infant growth following neonatal surgery for complex congenital heart defects”, World Congress of Pediatric Critical Care, Geneva, Switzerland, June 24, 2007
- “Infant crying, temperament and colic” European Crying Conference, Dragor, Denmark, July 6, 2007
- “To know feeding is to know the brain: From NMR to MRI” Keynote address, University of Oklahoma, 2<sup>ND</sup> Annual State of the Science on Prematurity and Low Birthweight Research Symposium, October 3, 2007
- “A guide to clinical assessment of the preterm infant” Keynote address, University of Oklahoma, 2<sup>nd</sup> Annual State of the Science on Prematurity and Low Birthweight Research Symposium, October 3, 2007
- “The relationship between birth weight and maturation of feeding behaviors in preterm infants depends on postmenstrual age” Obesity. 2007;15:A141 (Poster Presentation). North American Association for the Study of Obesity Annual Meeting, New Orleans, LA, October 2007
- “Feeding patterns in high risk infants” The Children’s Hospital of Philadelphia, Department of Hepatology, GI, and Nutrition; Nutrition Center Seminar Series. Philadelphia, Pennsylvania. November 21, 2007
- “Feeding Measurement and Research Issues for the High Risk Infant”. Nutrition Grand Rounds, The Children’s Hospital of Philadelphia. January, 2008
- “A Program of Research”. Virginia Commonwealth University, Doctoral Student Forum, February, 2008.
- “Impact of growth, cardiac physiology and parental stress on development at 6 months of age” XVIth Biennial International Conference on Infant Studies. Vancouver, BC. March 27, 2008
- “Effects of age at feeding initiation on development in preterm infants” Society for Pediatric Research. Honolulu, HI. May 2008.
- “Impact of Growth, Cardiac Physiology and Parental Stress on Infant Development” International Nursing Research Conference: Facing the Challenge of Health Care Systems in

Transition. Jerusalem, Israel, June 30 – July 3, 2008.

“Nutrition and Growth Status in Post-Stage 1 Palliation Neonates”, Preconference Seminar Series, Cardiology, 2009, Nassau, Bahamas, February, 2009.

“Homecoming: Feeding your Crabby Infant”, Cardiology, 2009, Nassau, Bahamas, February, 2009.

“Do Babies Talk to Us and Do we Listen?”, Keynote address, National Association of Neonatal Nurses Invited Research Symposium, Scottsdale, AZ, April, 2009.

“What we learned about feeding our Post-Surgical Infants with CHD, Cardiology 2010, Orlando, Florida, February, 2010.

“The Late Preterm Infant Initiative”, AWHONN National Convention, Las Vegas, NV, September, 2010.

“Feeding the Infant with Complex Congenital Heart Disease”, Pediatric Cardiac Intensive Care Society, Cambridge, UK, September, 2011

“Infant weight change over the first year of life following neonatal surgery for complex congenital heart disease”, International Conference on Nutrition and Growth, Paris, France, March, 2012

“Predictors of developmental outcomes in infants with complex congenital heart disease”, International Conference on Nutrition and Growth, Paris, France, March, 2012

“Nutritional outcome on influence on infant development”, Neurodevelopmental Outcomes for infants with CHD, Cincinnati Children’s Hospital Medical Center, Cincinnati, Ohio, October, 2013

“Nutritional status as a predictor of neurodevelopmental outcome in infants with complex CHD”, International conference on Nutrition and Growth, Barcelona, Spain, January 2014

“Transitional telehealth home Care for infants with complex congenital heart disease: REACH, Cardiology 2014, Orlando Florida, February 2014

“Nutritional Outcomes as a predictor of development in infants with complex congenital heart disease during the first year of life” Cardiology 2014, Orlando Florida, February 2014

### **MEETING/CONFERENCE ORGANIZING ROLES**

2006	Director of the BRC; organized 3-day summer workshop, recruited presenters, and prepared post-meeting minutes. Topic: Inflammatory Processes
2007	Director of the BRC; organized 3-day summer workshop; recruited presenters, and prepared post-meeting minutes. Topic: Sleep Research Across the Lifespan
2011	CTSA Nurse Scientist Bio Banking Symposium

2014	International Symposium on Infant Crying and Colic, University of Warwick, UK
2014	Chair, in-patient caresub-working group, Neurodevelopmental Outcomes for infants with CHD organization

### **PROFESSIONAL MEMBERSHIP**

1972 – present	American Nurses Association
1986 – 2001	Council of Nurse Researchers
1980 – present	Society for Research in Child Development
1986 – 2000	Philadelphia Perinatal Society
1989 – 2000, 2005 – present	NAACOG/AWHONN
1989 – present	American Academy of Nursing
1989 – present	International Society of Infant Studies
2013-present	Association of Critical Care Nursing

### **PROFESSIONAL ACTIVITIES**

1988	Invited member, Research Task Force to establish NAACOG research priorities, Washington
1988 – present	Manuscript Reviewer - Nursing Research
1989	Reviewer for Paper Selection - Society for Research for Child Development, January.
1990 – 1991	Grant Reviewer – NAACOG
1990 – present	Grant Reviewer - Sigma Theta Tau, National Nursing Honor Society
1990 – 1991	Grant Reviewer - Department of Health and Human Services, Office for Substance Abuse Prevention, Bethesda, MD.
1991	Grant Reviewer - National Institute for Mental Health
1990 – present	Center Investigator - Center for the Study of Low Birth Weight Infants, University of Pennsylvania.

1991 – 1992	External Grant Reviewer - The Hospital for Sick Children, Toronto, Ontario.
1992 – 1994	Member of the Research Committee, American Nurses Foundation.
1994 – 1995	Chair of the Research Committee, American Nurses Foundation.
1992 – 1994	Editorial Board - Journal of Obstetrical, Gynecologic, and Neonatal Nursing (JOGNN).
1995 – 2003	Nursing Science Review Committee, National Institute for Nursing Research
2003 – present	Nursing Science Review Committee, National Institute for Nursing Research, Adjunct member
1997 – 2002	Behavioral Pediatrics Training Advisory Committee, Children's Hospital of Philadelphia
1999 – present	Editorial Board, Developmental and Behavioral Pediatrics.
1998 – 2003	Chair of Research Committee, Sigma Theta Tau National Nursing Honor Society, Xi Chapter.
2002	Search Committee, Director of the General Clinical Research Center, Children's Hospital of Philadelphia.
2003 – 2005	Advisory Committee, University of Pennsylvania, School of Medicine, Minority International Research Training Grant
2005 – present	Chair, Late Preterm Infant Initiative Task Force, AWHONN.
2009 – present	Member of The Children's Hospital of Philadelphia Research Affinity Group
2009 – present	Pediatric Heart Network, Nursing Research Group

### **UNIVERSITY SERVICE**

1997 – 1999	University of Pennsylvania Research - Committee (Chair)
1999 – 2000	University of Pennsylvania Research - Committee (Member)
1996 – present	Provost Research Council
2001 – 2005	University of Pennsylvania, IRB 8 (member)

2005 – 2006	Provost Task Force on Globalization
2007 – 2008	Committee on Academic and Related Affairs (CARA) (Chair)

### **DOCTORAL STUDENT ACTIVITIES**

Sandy Weininger	Department of Bioengineering (1986-1989) Dissertation Committee Member
Judith Donlen	Outside Dissertation Reader, School of Nursing (1989-1994)
Terese Verklan	Advisor and Dissertation Chair
Elizabeth Burgess	Dissertation Committee Member
Marie-Christine Bournaki	Outside Reader, Proposal Defense
Donna Bryant	Preliminary Examination Reader
Cathy Rosenthal	Dissertation Chair and NRSA Sponsor
Sharon Conliff-Torres	Advisor
James Cullen	Advisor
Jacqueline McGrath	Advisor and Dissertation Chair
Mary Hughes	Dissertation Chair
Yaffa Zisk	Dissertation Chair
Judith Verger	Advisor and Dissertation Chair
Danica Sumpter	Advisor and Dissertation Chair
Sapawadee Tublam	International Doctoral Student
Sharon Irving	Advisor and Dissertation Chair
Ashley Darcy	Advisor
Aleeca Bell	Dissertation Committee- University of Illinois-C
Ruthie Lucas	Dissertation Committee-University of Illinois-C
Sunny Halloway	Advisor



Ariel Fannin	Advisor
Amy Lisanti	Committee Member-Widener University
Madelyne Greene	Advisor and Dissertation Chair
Nadya Gofenstein	Advisor and Dissertation Chair

### **Post-Doctoral Students**

Marilyn Lotas	Robert Wood Johnson, Clinical Nurse Scholar (1988-1990)
Preeti Patel	Neonatal Fellow, The Children's Hospital of Philadelphia
Brian Wrotniak	Post-Doctoral Fellow, Clinical Epidemiology, The Children's Hospital of Philadelphia
Megan Grey Claudia Viera	Neonatal Fellow, The Children's Hospital of Philadelphia Sigma Theta Tau International Post-doctoral Fellowship Program/ International Post-Doctoral Fellowship in Nursing, State University of Parana Western Brazil.

### **MENTORED PROFESSIONALS**

**The Children's Hospital of Philadelphia:** Mentor; Clinical Nursing Research

Diane Hartman, BSN  
Nancy Burnham, APN  
Katie Dodds, APN  
Amy Jo Lisanti, APN  
Deb Torowicz, APN, PhD(c)

**University of Pennsylvania, School of Nursing:** Mentor; Enhancing Faculty Success

Charlene Compher, PhD, RD, FADA, CNSD  
Karen Badallino, PhD, RN

Deborah Watkins Bruner, PhD, RN, FAAN

Jianghong Liu, PhD, RN

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