

## **Curriculum Vitae, Beatrice Beebe, Ph.D.**

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Birthplace: Washington, D.C.

### **Academic Training**

1964-1966: Smith College  
1968: B.A., Barnard College, Cum Laude  
1973: Ph.D., Columbia University: joint doctoral program, clinical/developmental psychology, Teachers College. Dissertation sponsor: Daniel Stern, M.D.  
1986: Certificate Specialization Psychotherapy - Psychoanalysis, N.Y.U. Postdoctoral Program

### **Professional Positions**

1990-1994: Visiting Assoc Prof. Psychology (in Psychiatry), College of P&S, Columbia Univ.  
1995-2003: Assoc Clin Prof. of Psychology (in Psychiatry), College of P&S, Columbia Univ.  
2003-Present: Clinical Professor of Psychology (in Psychiatry), College of P&S, Columbia Univ.

### **Personal Statement**

My research program investigates mother-infant face-to-face communication and infant social development: the dyadic mechanisms organizing mother-infant social communication, the role that maternal distress plays in this communication, the effects of early mother-infant communication patterns on emerging infant attachment styles, and the long-term continuity of communication and attachment styles from infancy to young adulthood. Video and audio microanalysis of mother-infant behavior has been my focus for four decades. This precise coding, together with a sophisticated statistical method of multi-level time-series analysis, functions like a social microscope, identifying different patterns of contingent relating. These methods were used in two NIMH RO1 Grants. I was co-investigator on NIMH RO1 41675 (1985-1990), Interpersonal timing and infant social development, which documented that the degree of contingent vocal coordination between mothers and infants, and strangers and infants, at 4 months, predicted infant attachment at one year. I was PI on NIMH RO1 MH 56130 (1999-2004) which also predicted attachment at one year from mother-infant and stranger-infant interaction at 4 months. In addition, this study showed the impact of maternal depression and anxiety on mother-infant interaction. I have been the PI of a longitudinal follow-up study of these two cohorts, from infancy to young adulthood, funded by the American Psychoanalytic Association and the International Psychoanalytic Association. This study has predicted young adult attachment from degrees of mother-infant and stranger-infant vocal coordination in infancy at 4 and 12 months. Since the spring of 2002 I have been directing a clinical/research primary prevention project which follows a cohort of 36 women who were pregnant and widowed on September 11, 2001. My clinical work focuses on primary prevention in mother-infant dyads at risk for dysregulated social development, a topic on which I have published five articles.

### **Awards**

1999: Distinguished Scientific Award, Amer. Psychological Assoc, Division Psychoanalysis, April.  
2002: John Bowlby Memorial Lecture, London, March.  
2005: Solnit Award, *Psychoanal. Study Child*, "Mother-infant research informs mother-infant treatment."  
2008: Morton Schillinger Award for Lifetime Contributions to Psychoanalysis, American Psychological Assoc., Divis Psychoanalysis, Section V. April 12, with Frank Lachmann, PhD.

### **Books**

1. Jaffe, J., Beebe, B., Feldstein, S., Crown, C.L., & Jasnow, M. (2001). *Rhythms of Dialogue in Infancy. Monographs of the Society for Research in Child Development*, Series 264, Vol 66 (2), 1-132.
2. Beebe, B., & Lachmann, F. (2002). *Infant Research and Adult Treatment: Co-Constructing Interactions*. Hillsdale, N.J.: Analytic Press.
3. Beebe, B., Knoblauch, S., Rustin, J., & Sorter, D. (2005). *Forms of Intersubjectivity in Infant Research and Adult Treatment*. New York: Other Press.
4. Beebe, B., Cohen, P., Sossin, M. & Markese, S. (Eds.) (2012). *Mothers, infants and young children of September 11, 2001: A primary prevention project*. New York: Routledge Press.
5. Beebe, B. & Lachmann, F. [with Markese, S., Buck, K., Chen, H., Cohen, P., Bahrnick, L., Andrews, H. & Feldstein, S.] (2014). *The origins of attachment: Infant research and adult treatment*. NY: Routledge Press.

6. Beebe, B., Lachmann, F., Cohen, P. (2016). *The mother-infant interaction picture book: Origins of attachment*. New York: Norton Press.

### **Selected Peer-reviewed Publications**

Stern, D., Jaffe, J., **Beebe**, B., & Bennett, S. (1975). Vocalizing in unison and in alternation. Two modes of communication within the mother-infant dyad. *Annals of the New York Academy of Sciences*, 263, 89-100.

**Beebe**, B., & Gerstman, L. (1980). The "packaging" of maternal stimulation in relation to infant facial-visual engagement. A case study at four months. *Merrill-Palmer Quarterly*, 26,(4), 321-339.

**Beebe**, B., & Gerstman, L. (1984). A method of defining "packages" of maternal stimulation and their functional significance for the infant. *International Journal of Behavioral Development*, 7, 423-440.

Feldstein, S., Jaffe, J., **Beebe**, B., Crown, C.L., Jasnow, M., Fox, H., & Gordon, S. (1993). Coordinated timing in adult-infant vocal interactions: A cross-site replication. *Infant Behavior & Development*, 16: 455-470.

**Beebe**, B., Alson, D., & Jaffe, J. (1988). Vocal congruence in mother-infant play. *Journal of Psycholinguistic Research*, 17 (3), 245-259.

**Beebe**, B. (2000). Co-constructing mother-infant distress: The microsynchrony of maternal impingement and infant avoidance in the face-to-face encounter. *Psychoanal. Inquiry*, 20 (3), 421-440.

**Beebe**, B., Jaffe, J., Lachmann, F., Feldstein, S., Crown, C., & Jasnow, J. (2000). Systems models in development and psychoanalysis: The case of vocal rhythm coordination and attachment. *Infant Mental Health Journal*, 21, (1-2), 99-122.

Jaffe, J., **Beebe**, B., Feldstein, S., Crown, C., & Jasnow, M. (2001). Rhythms of dialogue in infancy. *Monograph Series of the Society for Research in Child Development*, No. 264, Vol 66 (2).

Koulomzin, M., **Beebe**, B., Anderson, S., Jaffe, J., Feldstein, S., & Crown, C. (2002). Infant gaze, head, face and self-touch at 4 months differentiate secure vs. avoidant attachment at 1 year: A microanalytic approach. *Attachment and Human Development*, 4 (1), 3-24.

**Beebe**, B. (2005). Mother-infant research informs mother-infant treatment. *Psychoanalytic Study of the Child*, 60, 7-46.

**Beebe**, B. (2006). Co-constructing mother-infant distress in face-to-face interactions: Contributions of microanalysis. *Infant Observation*, 9 (2): 151-164.

**Beebe**, B., Jaffe, J., Buck, K., Chen, H., Cohen, P., Blatt, S., Kaminer, T., Feldstein, S. & Andrews, H. (2007). Six-week postpartum maternal self-criticism and dependency and 4-month mother-infant self- and interactive contingencies. *Developmental Psychology*, 43 (6), 1360-1376.

Kaminer, T., **Beebe**, B., Jaffe, J., Kelly, K. & Marquette, L. (2007). Mothers' dependent and self-critical depressive experience is related to speech content with infants. *J. Early Childhood Infant Psychol.*, 163-184.

**Beebe**, B., Badalamenti, A. Jaffe, J., Marquette, L., Helbraun, E., Andrews, H. & Ellman, L. (2008). Distressed mothers and their infants use less efficient timing mechanisms in creating visual expectancies. *J. Psycholinguistic Research*, 37 (5), 293-307.

**Beebe**, B., Jaffe, J., Chen, H., Buck, K., Cohen, P., Feldstein, S. & Andrews, H. (2008). Six-week postpartum depressive symptoms and 4-month mother-infant self- and interactive contingency. *Infant Mental Health Journal*, 29 (5), 442-471.

**Beebe**, B., Jaffe, J., Markese, S., Buck, K., Chen, H., Cohen, P., Bahrack, L., Andrews, H., & Feldstein, S. (2010). The origins of 12-month attachment: A microanalysis of 4-month mother-infant interaction. *Attachment & Human Development*, 12 (1-2), 1-135.

Demetri Friedman, D., **Beebe**, B., Jaffe, J. Ross, D. & Triggs, S. (2010). Microanalysis of 4-Month Infant Vocal Affect Qualities and Maternal Postpartum Depression. *Clinical Social Work J.* 38, 8-16.

**Beebe**, B., Steele, M., Jaffe, J., Buck, K., Chen, H., Cohen, P., Kaitz, M., Markese, S., Feldstein, S., & Andrews, H. (2011). Maternal anxiety and 4-month mother-infant self- and interactive contingency. *Infant Mental Health Journal*, 32 (2), 174-206.

**Beebe**, B. & Jaffe, J. (2011). Description of the project: A longitudinal primary prevention project for mothers pregnant and widowed in the World Trade Center tragedy of September 11, 2001, and their young children. *J Infant, Child and Adolescent Psychotherapy*, 10: 156-169.

**Beebe**, B. & Markese, S. (2011). Theory and research that informed the clinical approach of the project for mothers, infants, and young children of September 11, 2001. *J Infant, Child Adoles. Psychother.* 10: 170-186.

**Beebe**, B. Lachmann, F., Markese, S. & Bahrack, L. (2012). On the origins of disorganized attachment and internal working models: Paper I. A dyadic systems approach. *Psychoanalytic Dialogues*, 22:2, 253-272

**Beebe**, B. Lachmann, F., Markese, S., Buck, K., Bahrnick, L., Chen, H., Cohen, P., Andrews, H., Feldstein, S. & Jaffe, J. (2012). On the origins of disorganized attachment and internal working models: Paper II. An empirical microanalysis of 4-month mother-infant interaction. *Psychoanalytic Dialogues*, 22:352–374.

**Beebe**, B., Lachmann, F., Jaffe, J., Markese, S., Buck, K., Chen, H., Cohen, P., Feldstein, S. & Andrews, H. (2012). Maternal depressive symptoms and 4-month mother-infant interaction. *Psychoanalytic Psychology*, 29 (4), 383- 407.

**Beebe**, B. & Steele, M. (2013). How does microanalysis of mother–infant communication inform maternal sensitivity and infant attachment? *Attachment and Human Development*, 15 (5-6), 583-602.

**Beebe**, B. (2014). My journey in infant research and psychoanalysis: Microanalysis, a social microscope. *Psychoanalytic Psychology*, 31 (1), 4-25.

**Beebe**, B. (2014). Myron Hofer's synthesis of evolution and development: A commentary. *Neuropsychoanalysis*, 16 (1), 23-28.

**Beebe**, B. & Lachmann, F. (2015). The Expanding World of Edward Tronick, *Psychoanalytic Inquiry*, 35:4, 328-336, DOI: 10.1080/07351690.2015.1022476T

**Beebe**, B., Messinger, D., Bahrnick, L. E., Margolis, A., Buck, K. A., & Chen, H. (2016). A systems view of mother–infant face-to-face communication. *Developmental Psychology*, 52(4), 556–571. doi:10.1037/a0040085

Chazan, S., Kuchirko, Y., **Beebe**, B. & Sossin, M. (2016). A longitudinal study of traumatic play activity using the children's developmental play instrument (CDPI). *J. of Infant, Child Adoles. Psychother.*, 15(1), 1-25.

Houghton, R. & **Beebe**, B. (2016). Dance movement therapy: Learning to look through video microanalysis. *American Journal of Dance Therapy*. DOI 10.1007/s10465-016-9226-0

**Beebe**, B. (2017). Daniel Stern: Microanalysis and the empirical infant research foundations. *Psychoanalytic Inquiry*, 37, 228-241.

Steele, M., Steele, H., **Beebe**, B. (2017). Applying an attachment and microanalytic lens to “embodied mentalization.” Commentary on “Mentalizing homostasis: The social origins of interoceptive inference” by Fotopoulou and Tsakiris. *Neuropsychoanalysis*, 19, 59-66.

**Beebe**, B. & Lachmann, F. (2017). Maternal self-critical and dependent personality styles and mother-infant communication. *Journal American Academy of Psychoanalysis*, 65, 491-508.

Galligan, R., **Beebe**, B., Milne, D., Ewing, J., Lee, S.H., Buck, K.A. (2018). Maternal into-the-face behavior, shared attention, and infant distress during face-to-face play at 12 months: Bi-directional contingencies. *Infancy*, 1-20. ISSN: 1525-0008 print / 1532-7078 online DOI: 10.1111/inf.12234

Bigelow, A., **Beebe**, B., Power, M., Stafford, A., Ewing J., Egleson, A., Kaminer, T. (2018). Longitudinal relations among maternal depressive symptoms, maternal mind-mindedness, and infant attachment behavior. *Infant Behavior and Development*, 51,33-44.

Harrison, A. & **Beebe**, B. (2018). Rhythms of dialogue in infant research and child analysis: Implicit/Explicit therapeutic action. *Psychoanalytic Psychology*, in press.

Beebe, B., Myers, M., Lee, S. H., Lange, A. Ewing, J., Rubinchik, N., Andrews, H. Austin, J. Hane, A., Margolis, A., Hofer, M., Ludwig, R., Welch, M. (2018, in press). Family Nurture Intervention For Preterm Infants Facilitates Positive Mother-Infant Face-to-Face Engagement at Four Months. *Developmental Psychology*.

**Beebe**, B. (2018). Risk & Resilience in 9/11 Pregnant Widows and Their Infants at 4 Months: Urgent Engagement. Manuscript in preparation, New York State Psychiatric Institute.

### **Selected Peer-Reviewed Research Posters 2015-18:**

Beebe, B., Igleheart, H., Steele, M., Steele, H., Lyons-Ruth, K., Feldstein, S., Dorf, A., et al., (2015). Infancy to adulthood: Vocal turn-taking in infancy, 12-month attachment, and adult attachment, depression, anxiety, dissociation. Poster, *Society for Research in Child Development*, Phila, PA, 3.20.15.

Beebe, B., Milne, D., Buchinsky, N. Egleson, A. Fredman, A., et al., (2015). The Micro-Architecture of Mother-Infant Distress. Poster, *Association for Psychological Science Annual Convention*, New York City. May 21 – 24, 2015.

Beebe, B., Hoven, C., Sossin, M., Lee, S.H., Cohen, P., Tortora, S., Moskowitz, S., Reiswig, R., Bergman, A., Friedman, D., Rubinchik, N., Stafford, A., Folse, K., Kim, K., Rappaport, M., Kuchirko, Y. (2016, May). Risk & Resilience in 9/11 Pregnant Widows and Their Infants at 4 Months: Urgent Repair. *International Conference Infant Studies*, New Orleans, May 26, 2016

Beebe, B., Myers, M.M., Andrews, H., Lee, S.H., Austin, J., Rubinchik, N., Ewing, J., Buchinsky, N., Egleson, A., Fredman, A., Kala, J., Shanahan, C., Scrofani, S., Ludwig, R., & Welch, M.G. (2016, May). NICU Intervention in First Month Improves Repair of Negative Engagement and Helps Sustain Positive Engagement in Mothers & Preterm Infants at 4 Months. *International Conference Infant Studies*, New Orleans, May 27, 2016.

Galligan, R., Beebe, B., Lee, S.H., Ewing, J., Zhong, D., Milne, D., Kim, K., Rappaport, M., Scrofani, S., Rahman, M., Folse, K., Pinson, S., Emanet, N., Rakoff, A., Morgan, O. (2017, May). Maternal Intrusion, Shared Attention, and Infant Distress During Face-to-Face Play at 12 Months: Bidirectional Effects. Poster, *Association for Psychological Science*, Boston.

Margolis, A., Lee, S.H., Beebe, B. Profiling Infants' Communicative Behavior: Identifying Behavioral Markers of Infant Difficult Temperament and Insecure Attachment (2018, May). Symposium, Two Markers of Neurodevelopmental Disorders: Behavioral Microanalysis and Neuroimaging. *Soc. Biological Psychiatry*, NY.

Beebe, B., Margolis, A., Lee, S.H., Peterson, B., Dailami, M., Davis, A., Emanet, N., Zhong, D., Yamane, N., Rahman, M., Joseph, J., Staniaszek, K., Malouta, C., Levy, J., Banker, S. (2018). Clustering Infant Communication: Carving nature at its joints. *International Conference of Infant Studies*, Philadelphia PA, July. .

Bigelow, A., Beebe, B., Power, M. (2018). What is maternal responsiveness? The difference between maternal contingent responsiveness and maternal mirroring. *International Conference of Infant Studies*, Philadelphia PA, July.