



# Epidemiology and Population Health Summer Institute at Columbia University



**WEEK 2: JUNE 12-16** 1:30PM - 5:30PM

## Learning the Infant's Nonverbal Language: Intensive Seminar in Video Microanalysis for Clinicians and Researchers

### DESCRIPTION

This course is designed for both researchers and clinicians to learn about video microanalysis of mother-infant face-to-face interaction. Participants will learn to look frame-by-frame and notice the subtle details of the interactions revealed by microanalysis. Our lab uses video microanalysis to examine mother-infant face-to-face communication and its associations with maternal distress (depression and anxiety), infant distress, and infant attachment and cognitive outcomes. Recent work predicts attachment outcomes at 1 year from just 2½ minutes of videotaped mother-infant interaction at 4 months (Beebe et al., 2010). Video microanalytic coding of mother-infant facial-visual interaction is a uniquely nuanced measure and is well-validated with forty years of research. Video microanalysis functions like a "social microscope," enabling us to see subtle details of interactions which are too rapid and complex to grasp in real time with the naked eye. This technique is a powerful research, treatment, and training tool. Through a combination of lectures and hands-on video-watching and coding exercises, participants will receive initial training in microanalysis coding. They will also learn the research behind this technique and how it can inform mother-infant treatment.

### INSTRUCTOR

▪ **Beatrice Beebe, PhD**

### OBJECTIVES

By the end of the course, participants will be able to

- Identify patterns of mother-infant communication at four-months that predict infant attachment style at one year
- Become familiar with how to code mother and infant gaze, mother and infant facial affect, infant vocal affect, infant head orientation, mother spatial orientation, and mother and infant touch in mother-infant communication at infant age four-months using video microanalysis
- Understand the research behind the microanalytic technique
- Understand how microanalysis can inform mother-infant treatment

**EARLY DISCOUNTS  
AVAILABLE UNTIL  
APRIL 1, 2017**

**REGISTRATION OPEN  
THROUGH MAY 1, 2017**

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