Description of the work to be performed

As a co-PI, Dr. Aki Murata at the University of Florida will oversee the case studies of lesson study groups in Florida by coordinating the data collection, data management and analysis, and reporting. The case studies address the third and fourth research questions of the project, "What design features constitute an effective and scalable model of mathematics lesson study?" and "How do lesson study groups practice an effective and scalable model of mathematics lesson study and what organizational supports are necessary for their practice?"

Three types of data will be collected in order to understand the lesson study design features, process and content, teachers' learning experience, and organizational supports: (1) observations of lesson study meetings and research lessons and discussions; (2) collection of artifacts including lesson plans, resources used for studying the unit of focus and lesson planning, and student work shared and analyzed; and (3) interviews of teachers, facilitators, math coaches, and school and district administrators.

Dr. Murata will work with Dr. Akiba to supervise the graduate research assistants and participate in weekly project meetings via Skype.