Dana Grosser-Clarkson Awarded STEM Fellowship

College Park, MD: Dana Grosser-Clarkson, University of Maryland, has been selected for one of 10 highly competitive annual CADRE Fellowships. Recipients receive a one-year fellowship to work with the Community for Advancing Discovery Research in Education (CADRE), a resource network for STEM education researchers supported by the National Science Foundation (NSF).

The CADRE Fellows program, which is now in its seventh year, provides networking, mentoring, and education opportunities for researchers and curriculum developers who are in the early stages of their STEM education careers. The new fellows include graduate students, post graduates, and research associates who work on STEM-related projects funded by NSF’s Discovery Research in Education Program. Their projects include the development of a wide range of STEM education resources, materials, and technologies.

Grosser-Clarkson works with Dan Chazan (PI) at the University of Maryland on the NSF-funded project Developing Rich Media-based Materials for Practice-based Teacher Education. This research and development project, which is a collaborative effort with the University of Michigan, is using the LessonSketch online platform to develop materials for use in practice-based mathematics teacher education. Currently the project includes 12 mathematics teacher educators, along with approximately 35 colleagues working at 27 institutions across the country, who are developing and piloting materials in mathematics methods and content courses.

In the coming year, the new CADRE fellows will participate in a professional learning community, acquiring skills essential for building a successful career in research. They will explore potential career options, how to develop and submit proposals, and how to write for publication and dissemination. Each fellow will produce a product, such as a presentation, paper, or proposal, and their experience will culminate in attendance at the 2016 PI Meeting, and a mock proposal review conducted by NSF program officers in Arlington, Virginia.

“Through the fellowship, participants learn firsthand what it takes to be an effective researcher and also have the chance to network with other researchers and developers from across the country,” said EDC’s Barbara Brauner Berns, who coordinates the program for NSF. “Previous recipients have told us the experience was invaluable.”

This year’s fellows represent diverse disciplines, areas of research, and perspectives. For the full list of the 2015-2016 CADRE Fellows, or to learn more about the program, go to www.cadrek12.org.

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EDC designs, implements, and evaluates programs to improve education, health, and economic opportunity worldwide. Visit www.edc.org. CADRE is a resource network funded by the National Science Foundation (NSF) that supports researchers and developers who participate in Discovery Research K–12 projects.