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**Jack Bookman\*** ([bookman@math.duke.edu](mailto:bookman@math.duke.edu)), Mathematics Department, Box 90320 Duke University, Durham, NC 27708. *How can we help novice college mathematics instructors know what their students know? Questioning strategies and formative assessment for the college mathematics classroom.*

The design of many professional development programs for novice college mathematics instructors is or could be better informed by education research on teaching and learning. This is one of four “research sampler” talks where the presenters will discuss research relevant to graduate student professional development. In this session, I will discuss research on how teachers can learn to ask good questions to promote learning and to better carry out formative assessment of student learning. (Received September 20, 2016)