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Energy **C**hallenges & **M**echanics
- working on small scales

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Speaker of Session 13A

MICROORGANISMS FOR ENERGY APPLICATIONS



Brett Barney is Associate Professor in the Department of Bioproducts and Biosystems Engineering and the Biotechnology Institute at the University of Minnesota in St. Paul, Minnesota. He received his PhD from Arizona State University in 2003 and was a USDA Postdoctoral Fellow (2004-2006) and Research Assistant Professor at Utah State University until 2009. He has been at the University of Minnesota since 2009.

Research interests in our laboratory center on two topics; (i) biosynthetic routes to biofuels and high-value products and (ii) applications of nitrogen-fixing bacteria for enhanced biofertilizers. Projects related to

biofuels utilize both algal systems and also the model bacterium *Marinobacter aquaeolei* VT8. Biofertilizer projects focus on the nitrogen-fixing aerobe *Azotobacter vinelandii*.

