

Accolades

Katz and Rausch selected as finalists for the 2009 Research Challenge

Interns in the Accelerator Lab at the Department of Energy's EMSL, Julie Rausch and Daniel Katz, were selected as finalists for DOE's Science and Energy Research Challenge (SERCh). The Challenge, which showcases the research projects of DOE-funded students and interns at national laboratories and universities, will take place November 8-9, 2009, at Oak Ridge National Laboratory in Tennessee.

Eighty-five student researchers were selected to participate in the highly aggressive competition. Students were required to submit a research abstract and poster as a part of their application. Each competitor will be judged twice in one of six categories: Life Sciences, Energy, Computational Science, Engineering, Environmental Science, and Physical Science. The top three posters in each category will receive \$1,000 to \$3,000 in scholarships, and one grand prize winner will receive a \$10,000 scholarship.

Rausch, an honors sophomore at Washington State University, has been an EMSL summer intern since 2007 in the Summer Research Institute and Science Undergraduate Laboratory Internship (SULI) programs. Her SERCh poster research was on luminescence of CeTb nanoparticles, understanding the scintillation mechanisms that have high impact in many radiation detection applications. Rausch entered her poster in the Physical Science category.



Katz, an honors junior at Cornell University, was also in the 2009 SULI program. His research is aimed at investigating growth conditions to synthesize micrometer-scale doped and undoped molybdenum trioxide structures that have potential as a catalyst in energy and environmental applications. Katz also entered his poster in the Physical Science category. Rausch and Katz's mentors were EMSL researchers Shuttha Shutthanandan, Yanwen Zhang, and Theva Thevuthasan.



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