Experience cutting-edge scientific research in a realistic environment!

The Laboratory for Laser Energetics (LLE) at the University of Rochester holds a summer research program for approximately 12 highly motivated Rochester-area high school students who have just completed their junior year.

Research
Students who are accepted into the program will be assigned to a research project of current scientific interest and supervised by a staff scientist at the Laboratory for Laser Energetics. These projects form an integral part of LLE’s research program and are related to LLE’s 60-beam OMEGA laser, one of the world’s most powerful fusion lasers, and the four-beam OMEGA EP laser.

Projects
Projects last year covered a broad range of scientific topics including computer modeling of implosion physics, experimental diagnostic modeling, cryogenic target characterization, physical chemistry, computational chemistry, laser beam modeling, laser flash-lamp diagnostics, web-based data analysis, and the adaptation of a technique developed to visualize laser damage to high school life-science education. The program culminates with a symposium at LLE at which students present the results of their projects.

Compensation
Participants work 40 hours per week and receive $11.10 per hour.

Eligibility
Only Rochester-area high school students currently in their junior year are eligible. U.S. citizenship is required.

To Apply
Students must submit a transcript, recent report card, and letter of recommendation; write a short essay describing their interest in science and technology; and fill out an application at www.lle.rochester.edu. The application deadline is March 18, 2019. Visit our website for full instructions and project reports from previous years.

Questions? Contact
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