

REU

National Science Foundation - MIRTHE

The NSF Engineering Research Center for Mid-InfraRed technologies for Health and the Environment (MIRTHE), headquartered at Princeton University (PU) and with its partners: City College NY (CCNY); Johns Hopkins University (JHU); Rice University (Rice); Texas A&M (TAMU) and the University of Maryland, Baltimore County (UMBC) announces opportunities for Research Experience for Undergraduates (REU) in its laboratories.

The MIRTHE REU program is focused on providing students with an opportunity to carry out research at the forefront of mid-IR spectroscopy and engineering.

MIRTHE is focused on developing knowledge, technologies and engineering systems based on mid-IR (3 – 30 μm) spectroscopy that provide unprecedented optical and chemical sensing capabilities for trace gases. MIRTHE advances mid-IR tunable Quantum Cascade lasers, detectors, and ultra-sensitive sensor systems and demonstrates specific applications through testbeds in environmental sensing, homeland security, and medical diagnostics.

A list of suggested research topics with brief descriptions may be found at the MIRTH website, http://www.mirthecenter.org/education_outreach/REU.aspx. Then click on the link: [Suggested Research Projects Summer 2008](#).

Applications are available on the website: click on the [Applications are open!](#) link at the top of the homepage.