

The aim of this grant is to augment existing laser spectroscopy systems at four primarily undergraduate institutions (PUIs) in the Midwest. Research at PUIs is marked by close student mentoring that can mold career aspirations and maintain a vital population of expertly trained scientists. Yet the remarkable success of this educational model is threatened by inadequate access to specialized instrumentation and limited contact with other practitioners. The transportable laser system addresses these needs. Individual research groups have periodic access to the new Nd:YAG-pumped dye laser *at their home institutions*, with the transportation, maintenance, and technical support coordinated by scientists at Purdue University.

MRI: Laser System to Enhance Undergraduate Research Programs

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