

**REU Site: Interdisciplinary Working Group for
Chemical Analysis in Low-Resource Settings
PUI Research Program Summer 2016**

OVERVIEW

REU Site: This REU site at the University of Notre Dame will host eight students from four-year and two-year primarily undergraduate institutions (PUIs). The students will help to design, develop, and test novel analytical methods and instruments for use in low resource settings. The activities will occur in the US, but up to 4 students will have an opportunity to travel internationally in their second year of research.

Companion PUI Research Program: The companion PUI Research Program will support three faculty members from PUIs as they develop their own research programs focused on chemistry for the developing world.

- **PUIs:** Chemistry, biochemistry, biology, environmental sciences, and engineering or computer science faculty from 2-year and 4-year institutions that do not have PhD programs are eligible. The home institution must supply a 50% match of the 4-6K program stipend. This matching money (2-3K) goes directly to the faculty member to support their research in future years, either as salary, a discretionary fund, travel money, or release time.
- **Term:** Faculty must work full time at Notre Dame for 4-6 weeks during the term of the REU program (June 1-Aug 5, 2016). A stipend of 1K/week will be paid by the program.
- **Students:** Faculty members may recruit and recommend students whose personal maturity, initiative, skills and knowledge, and level of interest and engagement are suitable for the REU program. These students must be rising sophomores or juniors, so they will be able to work at the PUI the following academic year. If the faculty member applies and is accepted into the companion PUI research program, we will take at least one of his/her recommended students, and the faculty-student team will work together during the summer.
- **Application:** Before you apply, contact one or more of the REU project mentors directly to discuss possible research projects, and discuss the required matching funds with an appropriate administrator at your home institution. We are looking for a clear description of a funding commitment over and above what is normally available to faculty at your institution. Complete the application by Feb. 15, 2016, and send it and the matching fund commitment letter to Dr. Toni Barstis at tbarstis@saintmarys.edu and Dr. Marya Lieberman at mlieberm@nd.edu. We will consult with the project mentors directly. Responses to the application will be sent by March 1, 2016.

<https://achemreu.nd.edu/faculty/>

APPLICATION

Due on or before Feb 15, 2016: tbarstis@saintmarys.edu, mlieberm@nd.edu

Name: _____ **PUI:** _____

Email: _____ **Phone:** _____

Research Field (e.g., Chemistry, Biology): _____

You should contact possible research mentors directly before applying to discuss possible projects.

Describe your collaboration plans. How will this summer research experience enable you to advance your professional interests?

How will the institutional matching funds allow you to continue your research beyond the summer at Notre Dame?

Recommended Student(s):

1. Name: _____ Major: _____
Year (circle one): Rising Sophomore Rising Junior
Comments:

2. Name: _____ Major: _____
Year (circle one): Rising Sophomore Rising Junior
Comments: