2011 IOTA SIGMA PI CENTENNIAL AWARD FOR EXCELLENCE IN UNDERGRADUATE TEACHING
Dr. Lisa N. Gentile, University of Richmond

Dr. Lisa N. Gentile is the **2011 recipient of the Iota Sigma Pi Centennial Award for Excellence in Undergraduate Teaching**. This award is given for excellence in teaching chemistry, biochemistry, or a chemistry-related field at an undergraduate institution that does not offer a graduate program in that field.

Dr. Gentile was born and raised in New England. She attended Colgate University as an undergraduate where she majored in chemistry and was a collegiate swimmer. She completed her Ph.D. in biochemistry at Brown University and did postdoctoral work in biophysics, supported as a Jane Coffin Childs Postdoctoral Fellow, at the University of British Columbia in Vancouver, BC.

Dr. Gentile is in her 13th year as a faculty member at a primarily undergraduate institution. Her scholarship focuses on the structure, dynamics, and regulation of proteins involved in disease. She has published 30 peer-reviewed articles, many with undergraduate co-authors. In addition to mentoring undergraduates, Dr. Gentile and her group spend time working on independent research projects with local high school teachers and students. Her research program has been recently supported in excess of $2.1 million by NSF-CAREER, RUI and MRI, NIH-AREA, and ACS-PRF. Also, at the University of Richmond (UR), she has been involved in an institutional HHMI Undergraduate Science Education award exceeding $1.4 million. This latter grant funded the design, and implementation of IQS (integrated quantitative science: http://iqscience.richmond.edu/) I and II. This is a double course with lecture, lab, and workshop that allows first year students to spend half of their year exploring socially relevant topics (ie antibiotic resistance) through which they come to understand the

fundamental concepts of traditional first semester courses in biology, chemistry, computer science, mathematics, and physics. It was designed and implemented in collaboration with 9 other faculty members from the 5 science/math disciplines. In 2010, Lisa received the American Society of Biochemistry and Molecular Biology (ASBMB) Award for *Exemplary Contributions to Education.*