S20: Chemistry and the Premedical Curriculum

Organizer and Presider: Joel Shulman (University of Cincinnati, USA)

In 2009, the Association of American Medical Colleges and the Howard Hughes Medical Institute released a report entitled “Scientific Foundations for Future Physicians” (SFFP). This report, produced in response to “concerns about the science content in the current premedical and medical education curricula,” emphasizes competencies for premed students rather than mandating specific courses for admission to medical school. This symposium will provide information on SFFP and its implications for undergraduate chemistry curricula, and will provide examples of innovative approaches already being introduced by chemistry programs to better meet the needs of pre-professional students.

Introduction 9:30am-9:35am

P134: Effect of the SFFP report on the MCAT exam and medical school admissions
Henry Sondheimer 9:35am–9:55am

P135: NEXUS: Developing competency-based undergraduate science curricula
Cynthia Bauerle 9:55am–10:15am

P136: Chemistry focus in the NEXUS Project: General chemistry and organic chemistry curriculum revision for the biological sciences
Marc Loudon 10:15am–10:35am

P137: Biologically flavored “Organic First”: The Juniata College experience
Richard Hark 10:35am–10:55am

Break 10:55am-11:10am

P138: Organic chemistry with a biological emphasis
Tim Soderberg 11:10am–11:30am

P139: Second semester organic chemistry options: Bioorganic or organic mechanism and synthesis
Albert Matlin 11:30am–11:50am

P140: Statistical analysis of a one-semester general chemistry approach for students entering the pharmacy field
Taylor Owings 11:50am–12:10pm

Panel Discussion 12:10pm-12:30pm