SPEAKER BIO & PRESENTATION DESCRIPTION

SALLY G. HOSKINS

Sally G. Hoskins is a Biology professor at the City College of CUNY, and co-developer of the NSF-supported CREATE project (www.teachcreate.org). CREATE (Consider, Read, Elucidate hypotheses, Analyze/interpret the data, Think of the next Experiment) leverages faculty members’ understanding of research process, using close analysis of linked sets of papers to develop students’ thinking skills and insight into research careers. The CREATE “toolkit” includes diverse approaches (e.g. concept mapping, sketching) that help students both decode and think creatively about complex material. CREATE has been tested at CCNY as well as in courses taught by 2yr or 4yr faculty trained in CREATE workshops. Cost-effective CREATE courses are associated with cognitive (e.g. critical thinking) and affective (attitudes, maturation of epistemological beliefs) gains in a wide range of students. Hoskins received the Genetics Society of America’s 2017 Elizabeth W. Jones Award for Excellence in Education.

SESSION NAME: CONCURRENT WORKSHOP I: Tricks of the Trade
PRESENTATION TITLE: Introduction to the CREATE strategy - deep analysis of primary literature benefits both students and faculty
CREATE courses use close analysis of linked sets of journal articles as a portal into the research laboratory. Faculty bring their deep research understanding to class, decreasing prep time and building students’ independence and transferable skills. Workshop: (1) Brief CREATE overview; (2) Major focus: participants act as “CREATE students” in hands-on literature-based activities that introduce the CREATE strategy and toolkit; (3) Consider ways to apply CREATE approaches in physiology courses.