



# Cottrell Scholars Collaborative New Faculty Workshop

August 8-10, 2012  
Washington, DC

<b>Wednesday, August 8</b>	<b>Hotel Rouge (1315 16th St, NW)</b>
7:00 pm	Keynote: <b>Michael Doyle, University of Maryland College Park</b> “Evolution of the teacher-scholar: Advising, diversity, mentoring, research, safety, teaching... Not enough time for everything”
7:00 pm – 10:00 pm	Opening reception (co-sponsored by ACS Publications)
<b>Thursday, August 9</b>	<b>American Chemical Society (1155 16th St, NW), Marvel Hall</b>
7:30 am	Workshop check-in
8:00 am	Breakfast
8:30 am	Welcome and introductions
9:00 am	Overview of workshop (Andrew Feig and Rory Waterman)
9:30 am	Just-in-time Teaching (Andrew Feig and Linda Columbus)
9:45 am	Introduction to scientific teaching/research-based teaching (Rory Waterman)
10:15 am	Active learning exercises (Andrew Feig)
11:00 am	Break
11:15 am	<b>Teachable Tidbit project - Part 1</b> <i>Goal - Determine tidbit topics and come up with an interactive concept</i>
12:15	Teachable Tidbit report-out
12:30 pm	Lunch
	Discussion topic - Articulating learning goals to your students (Rory Waterman)
1:15 pm	<b>Teachable Tidbit project - Part 2</b> <i>Goal - Focus on specific learning goals learning and adapt project as needed</i>
2:15 pm	Teachable Tidbit report-out
2:30 pm	Assessing student learning (Linda Columbus)
3:00 pm	Break
3:15 pm	<b>Teachable Tidbit project - Part 3</b> <i>Goal - Develop formative assessment to assist student learning</i>
4:00 pm	Teachable Tidbit report-out
4:15 pm	Break
4:30 pm	Engaging large classes (Lane Baker, Rory Waterman, William Jenks)
5:00 pm	<b>Teachable Tidbit project - Part 4</b> <i>Goal – Scale your project for a large format class</i>
5:30 pm	Teachable Tidbit report-out
5:45 pm	Addressing Student Diversity
6:15 pm	Break
6:30 pm	Dinner (table topics: confronting misconceptions, TA Management, managing resistance, incorporation of undergrads in research)
7:30 pm	Time management (William Jenks)
8:30 pm	Adjourn



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## Friday, August 10

American Chemical Society (1155 Sixteenth St, NW), Marvel Hall

8:00 am	Breakfast
8:30 am	<b>Teachable Tidbit project - Part 5</b> <i>Trial Run - Try out your project on your peers in small groups</i>
9:30 am	<b>Feedback on Teachable Tidbit projects</b> (Rory Waterman and Andrew Feig) <i>What worked? What was less successful? Were there trends?</i>
9:45 am	Break
10:00 am	Mentoring students (Andrew Feig and Lane Baker) Mentoring exercise – Case studies and Problem-Based Learning (PBL) approaches
11:00 am	Break
11:15 am	Workshop wrap up and evaluation (Marilyne Stains)
11:30 am	Writing the right grant for the right agency Moderator: Silvia Ronco, Research Corporation for Science Advancement Panelists: Miles Fabian, NIH National Institute of General Medical Sciences Tanja Pietraß, NSF Division of Chemistry Michael Casassa, Department of Energy Dean Dunn, ACS Office of Research Grants
1:00 pm	Lunch
1:30 pm	Adjourn

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