

Invited Guest Speaker



# Dr. Marilynne Stains

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University of Nebraska-Lincoln

Thursday, March 23<sup>rd</sup> BLS 402

Sponsored by the School of Molecular Biosciences &  
CVM Teaching Academy



## 12:10 pm - SMB Seminar:

"Capturing instructional practices in the chemistry classrooms and laboratories: New research-based tools to address both instructors' and researchers' needs"

There is an increasing need to quantify teaching practices. Stakeholders may be interested in monitoring changes over time, comparing instructional practices between instructors or courses, or mapping observed behaviors to research-defined teaching practices. Although existing observation protocols may address some of these goals, they have critical limitations. **This presentation will describe two methods for the reliable and valid characterization of instructional practices via easily-collected observational data.** Both of these methods have been developed with researchers and instructors in mind so that they can be used to measure changes resulting from a pedagogical intervention but also as a tool to train or refine individual instructional practices.

## 2:00 - 4:00 pm- Workshop:

"The Ins and Outs of Peer Instruction: Leveraging students to promote and monitor conceptual growth in large courses"

Peer Instruction is an evidence-based instructional strategy that leverages personal response systems (e.g., clickers, Learning Catalytics) to promote students conceptual understanding in large courses. This strategy is one of the most investigated active learning practices and, arguably, one of the easiest to integrate in one's practice. In this workshop, you will learn about the details of Peer Instruction, the research demonstrating its efficacy and supporting its implementation as well as the learning principles that underpin this strategy.

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Biotechnology Life Sciences Bldg Room 402