## University of California, Irvine Statistics Seminar

## Undergraduate Research Experiences: Insights, Challenges, and Future Roadmap

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Thursday, January 18, 2018 4 p.m., 6011 Bren Hall (Bldg. #314 on campus map)

In this talk, we give a few examples of mentoring successful undergraduate experiences, followed by some thoughts on the key components and underlying mechanisms that contribute to the productivity of those projects. Next, we view the research process in the broader context of undergraduate curriculum in statistics. We will then conclude that a strong undergraduate research program can significantly benefit from interdisciplinary work, in conjunction with strong theoretical and applied coursework. We close by providing ideas for future endeavors, particularly in light of the current renaissance of statistics, and its continuous discourse with computer science and other disciplines.