The 3rd Annual UC Davis Scholarship of Teaching and Learning Conference

UC Davis Conference Center
November 30, 2018
Welcome: Carolyn Thomas Vice Provost - Undergraduate Education

Plenary: Marco Molinaro Assistant Vice Provost - Educational Effectiveness

Break

**CONCURRENT SESSIONS**

**HHMI SPECIAL SESSION ON INCLUSIVE EXCELLENCE**

Effects of Adjustment, Grading, and Class Size in Academic Equity
Meryl Motika, Kavi Tan and Tiffany Johnson Center for Educational Effectiveness

Exploring How Classroom Dialogue and Student Writing Protocols Shed Light On My 6th Graders’ Use of the Mainstream and Non-Dominant Englishes Within Their Linguistic Repertoires
BernNadette Best-Green Graduate Group in Education

When Active Learning Impedes Inclusion Excellence
Piri Ackerman-Barger Betty Irene Moore School of Nursing

**TALKS**

Finding a Simple Solution to the Problem of Student Evaluations: An Index of Traditional Evaluation Questions
Janine LF Wilson and Derek Stimel Economics

The Hand of God: Grades and Extrinsic Motivation in Engineering Writing Courses
Stephanie Pulford, Kavi Tan, Michael Gonzalez and Amanda Modell Center for Educational Effectiveness

Classifying and Visualizing Students’ Cognitive Engagement in Course Readings
Michele Igo College of Biological Sciences, Eran Yogeve and Kobi Gal Ben Gurion University Department of Information Systems Engineering, David Krager MIT Computer Science and Artificial Intelligence Laboratory and Marc T. Facciotti Biomedical Engineering and Genome Center

Poster Session A (12:00-12:45) and Session B (12:45-1:30)

Lunch Available

**KEYNOTE: Making a Place for the Scholarship of Teaching and Learning: Contexts and Careers**
Pat Hutchings Senior Scholar, National Institute for Learning Outcomes Assessment

Break

**CONCURRENT SESSIONS**

**RESOURCE TABLES**

Translating Research-Based Learning Principles into Learning Strategies: Helping Students Study Smarter
Annalisa Teixeira Success Coaching and Learning Strategies

Integrating Global Learning Outcomes in the Classroom
Nathan Camp, Nancy Erbstien and Zachary Frieders Global Affairs

Strengthening Peer Review Practices While Fostering a Helpful Online Community Through Eli Review
Sarah Faye University Writing Program

The Teaching Assistant Consulting (TAC) Fellows Program
Monica Christina Esqueda Center for Educational Effectiveness

Get Curious: Program Learning Outcomes Assessment
Kara Moloney Center for Educational Effectiveness

Deep Dives and Ripple Effects: Two Approaches to Enhancing Teaching at a Research-Intensive University
Patricia Turner Center for Educational Effectiveness
Introduction to Team-Based Learning
Heather Jane Hether Communication

Institutional Review Board (IRB) Resource Table
Jessica Ramirez and Katherine Lawrence Institutional Review Board

TALKS

What You Need to know About Collaborative Learning Before Attempting Collaborative Learning
Julia Chamberlain Chemistry

Understanding Students’ Attitudes Towards Oral Communication Skills in a Project-Based Engineering Course
Jennifer Mullin Biological and Agricultural Engineering

Community Engaged Teaching and Learning: A View from UC Davis
Michael Rios and Ingrid Behrsin Office of the Provost

Break

CONCURRENT SESSIONS

RESOURCE TABLES

E-Learning for Equity, InnoVation, and Teaching Effectiveness (ELEVATE) Fellows Program
Cecilia Gomez Center for Educational Effectiveness

Writing Across the Curriculum Resources Table
Melissa M. Bender University Writing Program

GradePal: An Intuitive, Internet-Based Application for Gradebook Analysis
Joel Ledford Plant Biology

Just-in-Time Teaching Resources
Stacy Wittstock and Kem Saichaie Center for Educational Effectiveness

Developing Digital Communication Skills Through a Video About One’s Undergraduate Major
Arnold Bloom Plant Sciences and Sue Ebeler College of Agricultural and Environmental Sciences

Community Engaged Teaching and Learning: Participatory Workshop
Ingrid Behrsin and Michael Rios Office of the Provost

New UC Davis Study Abroad Faculty Supported Models: Less Time, Less Travel
Ashely Arvanites and Brianne Holden Study Abroad (Global Affairs)

Institutional Review Board (IRB) Resource Table
Jessica Ramirez and Katherine Lawrence Institutional Review Board

TALKS

Impact of an Application-Oriented Circuits Curriculum on Performance of Non-Electrical-Engineering Students in the Downstream Courses
Hooman Rashtian Electrical Engineering

Influence of Students’ Prior Animal Experience and Grouping Strategy on Student Learning in an Applied Animal Laboratory Setting
Allen Pettey Animal Science

The Impacts of Lecture Capture Usage on Student Performance, Attendance, and Perspective in Large-Enrollment Introductory STEM Courses
Laci Gerhart-Barley Evolution and Ecology, Miriam Martin Microbiology and Molecular Genetics, Jay Stachowicz Evolution and Ecology and Rick Grosberg Evolution and Ecology

Remarks: Gary May Chancellor
Awards and Reception
POSTER SESSION A: 12:00-12:45
1. Adventures in Chemical Thinking: Implementing Inquiry in General Chemistry Lab Charlie Tapio and Julia Chamberlain
2. Bringing Active Learning and Group Activities into a Senior-Level Chemical Engineering Class: a CREATE Course Redesign Project Jason White
3. Use of Short Essays to Address Core Competencies in Medical School Pathology Education Andrew D. Jones, Elham Vali Betts and Kristin Olson
4. Assessing Online Course Accessibility Jeanette B. Ruiz and Stephanie Pulford
5. Studying the Impact of a Specialized Workshop on Learning Strategies for Studying Engineering Courses for Students in Academic Difficulty Lili Mirshahzadeh and David B. Spight
6. Active Learning in the Gross Anatomy Laboratory Cara M. Sandholdt and Jeffrey Pearl
7. Fulfilling the Implied Promise: Student Career Readiness Through Academic Integration and Collaboration Janice N. Morand and Marcie Kirk-Holland
8. Equity Issues Arising from the Punitive Zero David J. Webb, Cassandra Paul and Mary Chesney
9. Students’ Self-Perceived Benefits of Weekly Writing Assignments Mark Verbisky
10. An Online Course Meets Face-To-Face Sattik Ghosh, Arnold Bloom and Stephanie Pulford
11. A Mutually Beneficial Relationship Between Students and Peer Learning Assistants in Course-Based Undergraduate Research Experiences (CUREs) Karina Targos, Ashley Vater and Annaliise Franz
12. Easing Transition to College Mathematics Using ALEKS Ka Wai Wong, Meryl Motika and William Taveneretti
15. Lecture Capture: If You Have Not Heard About It, Give Your Students One More Quarter Silvia Carrasco Garcia, Sean Collins, Charlie Turner, Simon Dvorak and Robert Craig
16. Going Virtual: Transforming Nutrition 10 into the 100% Online Nutrition 10V Debbie Fetter
17. Development and Initial Assessment of a New Learner-Centered Upper Division Human Physiology Course Victoria Farrar and Natalia Caporale
18. The Need for POCT Education in Schools of Public Health Vidushi Razdan and Prianka Deshmukh
19. Will Video Kill the Anxiety Star? Multi-Modal Writing and Writing Apprehension Amanda R. Modell
20. Anatomical Misconceptions Among Undergraduates in a Systems-Based Human Gross Anatomy Course Jennifer Weil and Natalia Caporale

POSTER SESSION B: 12:45-1:30
21. Developing a Learner-Centered Instructional Template to Address Achievement Gaps in a Large-Enrollment Introductory Biology Course (BIS 2B) at UC Davis: A CREATE Course Redesign Project Laci Gerhart-Barley and Amelia Munson
22. Exploring the Undergraduate Learning Assistant Experience at UC Davis: A Potential Intervention to Improve Students’ Self-Efficacy, Science Identity, and Metacognition Jia Tan, Mary-Betty Stevenson, Sandra J. Carlson and Natalia Caporale
23. I Am Bilingual: Building a Program for Native Speakers (Work in Progress) Agustina Corando
24. Predicting Performance in a Lower-Division Psychology Course Kathryn Bousquet, Matthew Szama and Victoria Cross
25. Thinking About Learning: Examining Students’ General Chemistry Study Practices with Metacognitive Surveys Julia Chamberlain, Elizabeth Cox and Emil Rezkalla
26. Student Perceptions and Evaluation of Active Learning in an Advance Physiology Course Cara M. Sandholdt and John A. Payne
27. Assessing Engineering Students’ Motivation on Programming Assignments Susan P. Gentry
28. Incorporating Self-Reflection and Metacognition in a Required Fundamentals of Bioengineering Course Jennifer Choi
30. Collaboration Between Faculty and the Writing Support Center to Facilitate Quality Peer Review and Writing in a High Enrollment Biochemistry Lecture Course Ariel Loring, Bridget Mabunga, Kevin Sitz and Mona Monfared
31. Project Lockbox: An Escape-Room-Style Activity Emphasizing Collaboration Over Competition Rachel M Doughty
32. Developing Students’ Writing Skills Through Peer Feedback on Canvas LMS Heather Jane Hether
33. Effective Teaching Strategies of Building a Productive Mandarin Chinese Classroom Jiao Li
34. Combining Theory, Experiments and Computer Simulations for STEM College Education Mohamed Hafez and Aaron Shaw
35. Enhancing Pathology Training for Medical Students with a Digital Image Bank (Whitekoat) Elham Vali Betts, Kristin Olson and Steven Elam
36. The Mid-Quarter Inquiry: Leveraging Student Feedback to Support Graduate Instructors’ Continuous Improvement and Reflective Practice Sarah Silverman, Sergio Sanchez and Monica Christina Esqueda
37. The Benefits of Joining a Summer Institute on Scientific Teaching Talitha van der Meulen
38. Sentence Optimization for the Global Workplace: An Innovative Teaching Method for Improving Engineering Writing While Leveling the Playing Field for ESL Learners Brad Henderson
39. Integrating Social Justice Themes, Arts and Humanities Skills, and Collaborative Learning Principles into an Introductory Environmental Engineering Course Through Scaffolded, Problem-based Learning Activities Colleen E. Bronner

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This conference is supported by the Office of the Provost, as well as grants from the American Association of Universities and the Howard Hughes Medical Institute.