

## Lynn Christine Reimer

### *Curriculum Vitae*

Education Programs, University Extension  
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## Education

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### **Ph.D., Education**, University of California, Irvine (June, 2017)

Learning, Cognition, and Development

Supported by the National Science Foundation Graduate Research Fellowship Program

Dissertation: *The STEM Lecture Hall: Effective Instructional Practices for Diverse Learners.*

Committee: Mark Warschauer (chair), Jacquelynn S. Eccles, Rachel B. Baker, Di Xu

### **M.A., Education**, Fresno Pacific University, 2009

Integrated Mathematics and Science Education

Thesis: *Problem Solving*

Advisor: Dave Youngs

### **California Clear Credential**, California State University, Fresno, 2001

Multiple Subject, CLAD, Supplemental Authorizations in Mathematics & Science

### **B.A., Biological Sciences, B.A., German**, University of California, Davis, 1991

## Academic Appointments

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| 2016-     | Director of Education Programs, University of California, Merced<br>University Extension  |
| 2016-     | Adjunct Instructor, Fresno Pacific University, Merced<br>Teacher Education Program<br>EDUC 643: Teaching Elementary Mathematics   |
| 2013-2016 | Graduate Student Researcher, University of California, Irvine<br>Digital Learning Lab (DLL) – Director: Mark Warschauer<br>Lead Researcher, Investigating Learning Environments in Higher Education |
| 2015-2016 | Lead Researcher, Learning Assistants Pilot<br>Division of Undergraduate Education – Director: Michael Dennin  |
| 2015-2016 | Instructor, University of California, Irvine<br>Academic Research and Writing Workshop for First Year PhD students<br>Director: Jacque Eccles   |

- 2014-2015 Lab Instructor, University of California, Irvine  
EDUC 288A: Educational, Social, and Behavioral Statistics (Stata)  
EDUC 288B: Structural Equation Modeling (Stata)
- 2015 Teaching Assistant, University of California, Irvine  
Ethics in Education, EDUC 126
- 2013-2014 Educational Technology Coordinator, Azusa Pacific University
- 2012-2013 Adjunct Instructor, Fresno Pacific University

#### Professional & Administrative Appointments

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- 2012-2013 Interim Principal, Yosemite Unified School District
- 2004-2013 K-12 STEM (Science, Technology, Engineering and Math) Instructor, Yosemite Unified School District
- 2001-2004 K-12 Integrated Math & Science Instructor, Selma Unified School District

#### Refereed Articles and Chapters

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- Reimer, K.S., & **Reimer, L.C.** (2016). STAMINA: Persistence and character in youth mentor partnerships. In Peterson, G., Van Slyke, J., Spezio, M., & Reimer, K. (Eds.), *Habits in mind: Integrating theology, philosophy, and the cognitive science of virtue, emotion, and character formation*, (pp. 132-156). Boston, MA: Brill.
- Reimer, L.C.**, Schenke, K., Nguyen, T., O'Dowd, D., Domina, T., & Warschauer, M. (2016). Evaluating promising practices in STEM undergraduate lecture courses. *RSF: The Russell Sage Foundation Journal of the Social Sciences: Higher Education Effectiveness*, 2 (1), 212-231.
- Reimer, L.C.**, Nili, A., Nguyen, T., Domina, T., & Warschauer, M. (2016). Clickers in the wild: A campus-wide study of student response systems. In Weaver, G. C., Burgess, W. D., Childress, A. L., & Slakey, L (Eds.), *Transforming institutions: Undergraduate STEM education for the 21st century* (pp. 383-398). West Lafayette, IN: Purdue University Press.
- Reimer, L.C.**, & Reimer, K.S. (2015). Maturity is coherent: Structural and content-specific coherence in adolescent moral identity. *Journal of Positive Psychology*, 10, 543-552. doi: 10.1080/17439760.2015.1015159
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## Manuscripts Under Review or Preparation

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Macias, M., Nili, A.N., **Reimer, L.C.**, & Warschauer, M. (under review). Three unique approaches to introductory biology: A comparison of the attitudes and academic outcomes of underrepresented groups. *Journal of Research on Science Teaching*.

**Reimer, L.C.**, Reimer, K.S., Nili, A.N. & Warschauer, M. (under review). Keeping diverse undergraduates in STEM: Cultural mismatch and active gateway learning.

**Reimer, L.C.**, & Nili, A. (under review). Learning assistants: Pedagogically trained peer tutors facilitate increased learning for undergraduates.

Ho, P., Nili, A., **Reimer, L.** (in preparation). Using Coh-Metrix to analyze writing cohesion in introductory courses with and without learning assistants.

**Reimer, L.C.**, He, Wenliang, & Link, R. (in preparation). Sapling Learning online homework in organic chemistry lecture. *Journal of Chemical Education*.

**Reimer, L.C.**, He, Wenliang, & Link, R. (in preparation). Getting students back on track: Effects of flipping organic chemistry on student achievement study strategies and perceptions of instruction. *Journal of Chemical Education*.

Rivas, M., **Reimer, L.C.**, Nili, A.N., Baker, R., & Warschauer, M. (in preparation). *A two-year campus-wide study of student response systems in STEM courses*.

Nili, A.N., **Reimer, L.C.**, & Reimer, K.S. (in preparation). *Anxious humanitarians: Poverty and adolescent volunteerism in urban America*.

## Research Reports

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Nili, A.N., & **Reimer, L.C.** (2016, February). *The Learning Assistants Pilot: Fall 2015 Preliminary Report*. Report for the Division of Undergraduate Education, UC, Irvine.

**Reimer, L.C.**, Nili, A.N., & Warschauer, M. (2016). NSF Outcomes, WIDER: EAGER project, *Documenting Instructional Practices in STEM Lecture Courses*. Report for the National Science Foundation (NSF) for award# 1256500.

## Presentations

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Hanna, K., **Reimer, L.**, & Nili, A. (2017, April). *First-generation Latino Students' Success in Undergraduate STEM: The importance of instructor-student interactions*. Paper presented at the American Educational Research Association (AERA) annual meeting, Houston, TX.

Ho, P., Nili, A., **Reimer, L.** (2017, April). *Using Coh-Metrix to analyze writing cohesion in introductory courses with and without learning assistants*. Paper presented at the American Educational Research Association (AERA) annual meeting, Houston, TX.

- Link, R., He, Wenliang, & **Reimer, L.C.** (2016, August). *Getting students back on track: Effects of flipping organic chemistry on student achievement study strategies and perceptions of instruction*. Paper presented at the Biennial Conference on Chemical Education, Greeley, CO.
- Link, R., He, Wenliang, & **Reimer, L.C.** (2016, August). *Sapling Learning online homework in organic chemistry lecture*. Paper presented at the Biennial Conference on Chemical Education, Greeley, CO.
- Reimer, L.C.**, Nili, A.N., & Warschauer, M. (2016, April). *Project SPROUT: Documenting and investigating STEM instruction*. Paper presented at the 2016 NSF/AAAS Envisioning the Future of Undergraduate STEM Education: Research and Practice Symposium, Washington, DC.
- Reimer, L.C.**, Nili, A.N., & Warschauer, M. (2016, April). *Project management*. Session facilitator at the 2016 NSF/AAAS Envisioning the Future of Undergraduate STEM Education: Research and Practice Symposium, Washington, DC.
- Rivas, M., Nili, A.N., **Reimer, L.C.**, & Warschauer, M. (2016, April). *Which is better, assessment or participation points? A study of clickers in STEM courses*. Poster presented at the Western Psychological Association (WPA) 96th Annual Convention, Long Beach, CA
- Macias, M., Nili, A.N., **Reimer, L.C.**, & Warschauer, M. (2016, April). *Three unique approaches to introductory biology: A comparison of the attitudes and academic outcomes of underrepresented groups*. Paper presented at the American Educational Research Association (AERA) annual meeting, Washington, DC.
- Rivas, M., **Reimer, L.C.**, Nili, A.N., & Warschauer, M. (2016, April). *Clicker usage in STEM classrooms at UCI: A two-year study*. Paper presented at the American Educational Research Association (AERA) annual meeting, Washington, DC.
- Reimer, L.C.** & Nili, A.N. (2016, February). *Investigating learning in higher education: Project SPROUT*. Poster presented at the Southern California PKAL Regional Network Annual Meeting, Irvine, CA.
- Reimer, L.C.** (2015, September). *Project SPROUT*. UC STEM Lecturer Education Consortium Fall Meeting, Paso Robles, CA.
- Rivas, M., **Reimer, L.C.**, Nili, A.N., & Warschauer, M. (2015, August). *A two-year campus-wide study of student response systems in STEM courses*. Poster presented at the UCI Summer Research Program Symposium, Irvine, CA.
- Young, W., Earley, D. Reimer, K.S., & **Reimer, L.C.** (2015, June). *The impact of undergraduate research experiences in education*. Paper presented at the Science and Math Teaching Imperative (SMTI) National Conference, New Orleans, LA.

- Nili, A.N., & **Reimer, L.C.** (2015, May). *Clickers in the wild: A campus-wide study of student response systems*. Poster presented at the Text and Data Mining for Interactive Online Learning, Irvine, CA.
- Reimer, L.C.**, Nili, A.N., Nguyen, T., Schenke, K., Domina, T., & Warschauer, M. (2015, April). *Problem-Solving pedagogies: Enhancing undergraduate STEM outcomes for under-represented students*. Paper presented at the American Educational Research Association (AERA) annual meeting, Chicago, IL.
- Reimer, L.C.**, Schenke, K., Nguyen, T., O'Dowd, D., Domina, T., & Warschauer, M. (2014, December). *Evaluating promising practices in STEM undergraduate lecture courses*. Paper presented at Russell Sage Foundation Conference on Higher Education Effectiveness, New York, NY.
- Reimer, K.S., **Reimer, L.C.**, & Tate, T. (2014, November). *Prosocial values and adolescent volunteerism in underserved neighborhoods*. Paper presented at the Association of Moral Education (AME) annual meeting, Pasadena, CA.
- Reimer, L.C.** (2014, October). *Clickers in the wild: A campus-wide study of student response systems*. Paper presented at Transforming Institutions: 21<sup>st</sup> Century STEM Undergraduate Education, Indianapolis, IN.
- Reimer, L.C.**, & Reimer, K.S. (2014, April). *Maturity is coherent: Structural and content-specific coherence in adolescent moral identity*. Paper presented at the American Educational Research Association (AERA) annual meeting, Philadelphia, PA.
- Reimer, L.C.** (2012, November). *Video creation*. Workshop presented at Connecting Conservation and Technology Conference at the Monterey Bay Aquarium, Monterey, CA.
- Reimer, L.C.**, & Fouch, A. (2012, March). *Using technology as a culminating project*. Workshop presented at Middle School Project-Based Science Institute of the Monterey Bay Aquarium, Monterey, CA.
- Reimer, L.C.**, & Fouch, A. (2011, November). *Public service announcements*. Workshop presented at Connecting Conservation and Technology Conference of the Monterey Bay Aquarium, Monterey, CA.
- Moore, L., **Reimer, L.C.**, & Fouch, A. (2011, October). *Project-based Science; Strategies for Success*. Workshop presented at California Science Teachers Association Annual Conference, Pasadena, CA.
- Reimer, L.C.**, & Fouch, A. (2011, July). *Project-based Science; How To Conduct a Year-long Project Including Technology*. Workshop presented at Project-Based Science Institute of the Monterey Bay Aquarium, Monterey, CA.
- Reimer, L.C.** (2009, February). *Teaching geometry through tangrams; Vocabulary, angles and formulas*. Workshop presented at California League of Middle Schools Annual Conference, Sacramento, CA.

## Invited Lectures

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**Reimer, L.C.** (2014, February). *Correlation, ANOVA, and multiple regression*. Research Design II (PsyD program). Azusa Pacific University, Azusa, CA.

**Reimer, L.C.** (2013, October). *Attachment by life stage: Emerging adulthood*. Advanced Developmental Psychology (MA program). Azusa Pacific University, Azusa, CA.

## Awards

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2014 Graduate Research Fellowship (#187698), National Science Foundation (\$132,000)  
2014 Moral Development and Education Promise Award, American Educational Research Association (\$400)  
2014 Associated Graduate Students Travel Grant (\$400)  
2013 Conference Travel and Professional Development Fellowship (\$2,500)  
2011 Finalist, Teacher of the Year, Yosemite Unified School District  
2009 Finalist, Teacher of the Year, Yosemite Unified School District  
1986-1991 Regents Scholar, University of California

## Academic Service

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2016- University of California, Extension and Continuing Education Committee to Review Certificate Programs  
2016- San Joaquin Valley University of California (SJVUC) Alumni Fundraising and support for UC Merced undergraduates  
2015-2016 STEM Lecture Group, University of California System (10 campuses)  
2015-2016 Facilitator, Instructor Learning Community, UC Irvine  
Instructor Support for working with undergraduate learning assistants  
2014-2016 First Generation Faculty Initiative, UC Irvine  
Mentoring and support for first generation students  
2014-2016 Learning Spaces Advisory Committee, UC Irvine  
2014-2016 Mentor, DECADE, UC Irvine  
Diverse Educational Community and Doctoral Experience  
2015-2016 School of Education Dean Search Committee, UC Irvine  
2014-2015 Higher Education Faculty Search Committee, UC Irvine  
2014 Pro-Seminar Planning Committee, UC Irvine  
2014 Recruitment Weekend Planning Committee, UC Irvine  
2013-2014 Mentor, First Generation College Students, Azusa Pacific University

## Professional Organizations

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Member, American Education Research Association

Member, American Association for the Advancement of Science

#### Undergraduates Supervised: Presentations

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- Tran, N. (2017, May). *Factors that contribute to the success of students who major in Biological Sciences*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Summer research grant: \$1,300.00.
- Barajas, P., Gonzalez, S., & Kaur, G. (2016, May). *Transfer shock: Classroom influences on transfer student success in STEM majors at UCI*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Research grant: \$900.00
- Carbajal, A., & Westling, W. (2016, May). *The learning assistants pilot: The differential effects on underrepresented students at the University of California, Irvine*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Research grant: \$400.00
- Ho, P., & Su, P. (2016, May). *Investigating teaching practices in Writing 39A classrooms for English as Second Language (ESL) Learners*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Research grant: \$700.00
- Ho, P., & Su, P. (2016, May). *Investigating teaching practices in Writing 39A classrooms for English as Second Language (ESL) Learners*. Poster presented at the annual Data Science Initiative Spring Symposium, "Fostering Literacy and Learning with Text and Data Mining," Irvine, CA. Recipient of "Best Undergraduate Poster."
- Macias, M. (2016, May). *Three unique approaches to introductory biology: A quantitative analysis of the academic outcomes of underrepresented groups*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Research grant: \$350.00
- Phan, J. (2016, May). *Examining STEM instructional methods and related effectiveness for disadvantaged Asian-American groups*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Research grant: \$300.00
- Tran, N. (2016, May). *The impact of ChemM2LA/LB on Chem1A/B students: A study of the differential effects of lab associated with major course*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Research grant: \$500.00
- Casasola, T. (2015, May). *Can flipping the classroom work? Evidence from undergraduate chemistry*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Summer research grant: \$3000.
- Macias, M., Lomeli, G., Nguyen, J., & Ho, P. (2015, May). *Three unique approaches to introductory biology: A comparison of the attitudes and outcomes of underrepresented groups*. Research

presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Research grant: \$500

Park, H., & Khosravi, P. (2015, May). *Progress in practice: The magnitude of influence of the Socratic method in the STEM curriculum*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium, Irvine, CA. Research grant: \$550.

Casasola, T. (2014, May). *Educational Reform in STEM: Students respond to the flipped classroom*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium Irvine, CA. Research grant: \$600.

Grewal, G. (2014, May). *An investigation of the relation between supportive learning environments and female student achievement in first and second year chemistry courses*. Research presented at the Undergraduate Research Opportunity Program (UROP) Annual Symposium Irvine, CA. Summer research grant: \$3000.

#### Undergraduates Supervised: Current Projects

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Gonzalez, S. (2016, June). *Academic and social impacts of a semester vs. a quarter semester*. Summer Undergraduate Research Program (SURP), UC Irvine. Summer research grant: \$1400.

Ho, P. (2016, June). *Investigating teaching practices in Writing 39A classrooms: An examination of English Language Learners*. Summer Undergraduate Research Program (SURP), UC Irvine. Summer research grant: \$1400.

Tran, N. (2016, June). *Factors that contribute to the success of students who major in Biological Sciences*. Summer Undergraduate Research Program (SURP), UC Irvine. Summer research grant: \$1300.

#### Undergraduates Supervised: Honors Theses

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Gonzalez, S. (2016, June). *Academic and social impacts of a semester vs. a quarter semester*. Thesis for Social Science Honors Program, UC Irvine.

Ho, P. (2015, December). *Student-centered pedagogy in Writing 39A classrooms for English as Second Language (ESL) Learners*. Thesis for Social Science Honors Program, UC Irvine.

Macias, M. (2015, December). *Three unique approaches to introductory biology: A comparison of the attitudes and outcomes of underrepresented groups*. Thesis for Campus-wide Honors Program, UC Irvine.

Park, H. (2015, December). *Scaffolding and inductive method of instruction in undergraduate physics*. Thesis for Campus-wide Honors Program, UC Irvine.



Phan, J. (2015, December). *Examining STEM instructional methods and related effectiveness for disadvantaged Asian-American groups*. Thesis for Campus-wide Honors Program, UC Irvine.

#### K-12 Extramural Awards (STEM)

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2012	Technology Grant, Oakhurst Kiwanis (\$450)
2012	Science Grant, Rivergold PTA (\$500)
2011	Classroom Technology Award, Monterey Bay Aquarium (\$2,000)
2011	Science Fridays Program Award, Rivergold PTA (\$1,500)
2011	Classroom Equipment Award (Microscopes), Oakhurst Kiwanis (\$800)
2010	Classroom Equipment Award (K-2 materials), Oakhurst Kiwanis (\$400)
2005	Classroom Equipment Award (Microscopes), Oakhurst Sierra Sunrise Rotary (\$1,200)
2004	Classroom Equipment Award (Triple-Beam Balances), Wensloff, LLC (\$1,200)
2004	Science Field Trip Award, Oakhurst Sierra Sunrise Rotary (\$1,200)

#### K-12 Professional Training

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2012-2013	Project-Based Science Institute II, Monterey Bay Aquarium, Monterey, CA
2010-2011	Project-Based Science Institute, Monterey Bay Aquarium, Monterey, CA

#### K-12 Professional Service

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2011-2013	Teacher in Charge, Rivergold School (Yosemite Unified)
2011-2013	Curriculum Advisory Committee, Monterey Bay Aquarium
2010-2013	Director, Science Fridays, Rivergold School (Yosemite Unified)
2010-2013	Facilitator, 7/8 Online Grading Transition, Rivergold School (Yosemite Unified)
2009-2013	Science Benchmark Coordinator, Rivergold School (Yosemite Unified)
2008-2013	GATE Coordinator, Rivergold School (Yosemite Unified)
2008-2013	Electives Coordinator, Rivergold School (Yosemite Unified)
2010-2011	Grade Level Lead, Rivergold School (Yosemite Unified)
2009-2011	Detention Coordinator, Rivergold School (Yosemite Unified)
2008-2011	504 Coordinator, Rivergold School (Yosemite Unified)
2007-2008	Consultant, Yosemite Unified math textbook adoption
2004-2011	Director, Catalina Island Science Excursion, Rivergold School (Yosemite Unified)
2004-2013	Math/Science Coach, Madera County Academic Pentathlon, Rivergold School (Yosemite Unified)
2004-2007	Math/Science Coach, Destination Imagination
2004-2006	Athletics Coach, Rivergold School (Yosemite Unified)
2000-2001	Athletics Coach, Clovis Unified School District

