

# KAI BLAISDELL

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## APPOINTMENTS:

<b>Biology instructor:</b> Las Positas College, Livermore, CA - <i>Current</i>	2022
<b>Visiting assistant professor:</b> Saint Mary's College of California, CA	2020-2022
<b>Part-time faculty:</b> Los Medanos College, Brentwood and Pittsburg, CA	2015-2022
<b>Adjunct assistant professor:</b> Saint Mary's College of California, CA	2019-2020
<b>Adjunct faculty:</b> University of San Francisco, San Francisco, CA	2017-2020
<b>Postdoctoral scholar:</b> Research group of Dr. Kent Daane, Natural Resources Laboratory, UC Berkeley, CA	2015-2016
<b>Postdoctoral scholar:</b> Research group of Dr. Rodrigo Almeida, Environmental Science, Policy, & Management, UC Berkeley, CA	2011-2015

## EDUCATION:

<b>Ph.D.</b>	Biology	University of Oregon	2011
<b>M.S.</b>	Biology	University of Oregon	2010
<b>B.S.</b>	Biology	Cornell University	1997

## TEACHING:

**Visiting/Adjunct Assistant Professor.** Saint Mary's College of CA  
Introductory Biology for Majors: Cell & Molecular Biology and Biochemistry Lecture and Laboratory BIOL 001/001L, Instructor and Lab Course Coordinator (Online and In Person)

Introductory Biology for Majors: Organisms and Evolution Lecture and Laboratory BIOL 002/002L

**Adjunct Instructional Faculty.** University of San Francisco  
The Science of Life BIOL 100 and BIOL 100L Lecture and Lab  
Human Biology BIOL 103 and BIOL 103L Lecture and Lab

**Part-time Instructor.** Los Medanos College  
Microbiology BIOSC 050 Lecture and Lab  
Principles of Biology: Cellular Processes BIOSC 020 Lecture and Lab  
Principles of Biology: Organismal BIOSC 021 Lecture and Lab  
General Biology BIOSC 010 Lecture and Lab (In Person and Online)  
Biology of Health BIOSC 005 Lecture and Lab (In Person and Online)  
Introduction to Anatomy and Physiology Lab BIOSC 030

**NSF Graduate STEM GK-12 Fellow.** 2009-2011

Hermiston High School, Oregon, Teacher's Workshop:

Leading students through inquiry-based work samples in physical science

Desert View and Echo Elementary Schools, Hermiston and Echo, Oregon:

Wood and Paper, Balance and Motion, Solids and Liquids, Physics of Sound, Magnetism and Electricity, and Mixtures and Solutions: Kindergarten-Fifth Grade

**Graduate Teaching Fellow.** University of Oregon 2005-2009

General Biology I: Cell Biology BI 211, General Biology II: Organismal Biology BI 212,  
General Biology III: Populations BI 213, Mycology BI 432/532, Introduction to Ecology BI 130, Ecology BI 370, Animal Behavior BI 390

**Undergraduate Honors Projects and Thesis Students.** 2009-2022

UC Berkeley, University of Oregon, and Saint Mary's College

Emma Cardinale. Climate Change, Plant Viruses, and Vectors: Exploring the interactions between pathogens, insect vectors, and host plants

Emily Hancock. Inducing Systemic Acquired Resistance in Barley Plants against Barley Yellow Dwarf Virus

Sahiba Dogra. Researching the effect of virus-infected plants on aphid choice and behavior

Hannah Oh. Effects of nutrient availability on plant susceptibility and symptom severity

Megan Fu. Host water stress effects on mealybug vector preference and survivorship

Jennifer Bratburd. The effect of water stress on vector transmission of *Grapevine Leafroll-associated Virus 3*

Siming Zhang. Vine mealybug transmission of *Grapevine Leafroll-associated Virus 3* strains and *Grapevine Virus A* from plants infected with multiple viruses

Hannah Wilson. Identification and cross- inoculation of fungal leaf pathogens on native and introduced grass species of North America

### **FELLOWSHIPS, GRANTS, AND AWARDS:**

SMC Open Textbook Grant: 2021 [open.umn.edu/opentextbooks/textbooks/168](https://open.umn.edu/opentextbooks/textbooks/168), \$250

Saint Mary's College Filippi Endowment Grant: 2020-2021, \$2000

California Learning Lab Seed Grant, Social Online Tools to Support Collaborative and Inclusive Learning in Biology, Collaborators Tina Mendez, George Roderick, Matt Cover: 2020-2022, \$100,000

<https://calearninglab.org/project/social-online-tools-to-support-collaborative-and-inclusive-learning-in-biology/>

4CD Teaching Academy, Teaching Faculty Learning Program Online, Collaborators Ellen Beaulieu, Cory Antonakos, Kathy Weber: 2019-2020, \$5,000

[teaching.berkeley.edu/programs/transforming-stem-teaching-faculty-learning-program](https://teaching.berkeley.edu/programs/transforming-stem-teaching-faculty-learning-program)

National Science Foundation GK-12 Fellowship, 2009-2010, 2010-2011. \$30,000/year

Donald E. Wimber Fund Award 2010. \$1,000

Paul and Helen Weiser Memorial Scholarship, 2009. \$20,000 (Declined)

### **INVITED PRESENTATIONS:**

Using technology to support effective online instruction. 2021. Saint Mary's College, CA  
Real-time formative assessment of student learning using PollEverywhere. 2019.

Educational Technology Services, 2019 Summer Intensive Training. USF, CA

Teaching statements. 2016. Evidence-Based Teaching Series, Postdoc Teaching Opportunities Program. University of California, Berkeley, CA

### **SELECTED PROFESSIONAL ACTIVITIES AND SERVICE/OUTREACH:**

Research Mentor, 2021-2022. Summer Research Program, SMC

Science Instructor, 2020. SERIE Program for incoming MAPS scholars, SMC

Facilitator, 2019-2020. Faculty Learning Program, CCCC District, CA

STEM Jam, Biodiversity Workshop, 2018, 2019. Los Medanos College, CA

Faculty Advisor and Mentor, 2016-2019. Student Equity Plan, Los Medanos College.

Faculty STEM Mentor, 2016-2017. Los Medanos College, CA

Reviewer, 2016. Graduate Women in Science Fellowships [www.gwis.org/](http://www.gwis.org/)

Panelist, 2013. Initiative for Maximizing Student Development (IMSD) workshop.

Mentoring Undergraduate Students. UC Berkeley

### **PRESS:**

University of San Francisco, 2019. Video faculty highlight: Realtime Formative Assessment & Student Learning in Biology [myusf.usfca.edu/ets/casestudies-blaisdell](https://myusf.usfca.edu/ets/casestudies-blaisdell)