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[by request]

Department of Philosophy  
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### **Education**

Ph.D. Philosophy (May, 2012) University of Colorado at Boulder.  
M.S. Biology (1995) California State Polytechnic University, Pomona  
B.S. Biology (1993) University of Arizona

### **Areas of Specialization**

History and Philosophy of Science; Philosophy of Biology

### **Areas of Competence**

Ethics, Applied Ethics, Philosophy of Mind, Epistemology, Environmental Ethics

### **Refereed Publications**

“What is Life?” with Carol Cleland. in *Philosophical Issues in Biology Education*.  
Kampourakis ed. (2013) New York: Springer.

“Active transport of Calcium ions in the skin of the salamander *Ambystoma tigrinum*” with  
Daniel Stiffler. *Journal of Comparative Physiology B* (1999) 169: 481-486.

### **Dissertation**

“Biological Mechanisms and Evolution”  
Director: Carol Cleland

Abstract: I defend a mechanistic approach to philosophy of biology over the laws-of-nature approach contained within traditional philosophy of science. I then use my mechanistic approach to argue that some mechanisms associated with heredity and variation deserve to be called Lamarckian more than strictly neo-Darwinian, and that natural selection, while causal, is not itself a physical mechanism.

### **Awards and Fellowships**

Graduate Student Teaching Excellence Award for AY 2008-2009.

This annual award, given to ten graduate teachers throughout the university, requires departmental nomination and classroom observation by the awards committee.

Department Dissertation Fellowship for Spring, 2007

### **Philosophy Presentations**

“Who’s Afraid of Lamarck?” for Committee on the History and Philosophy of Science,  
University of Colorado, Boulder, 2009

“Lamarckian Evolution in Modern Biology” Southwest Graduate Student Conference, Arizona State University, 2008

“Bacterial Colonies and Non-Darwinian Natural Selection.” 22<sup>nd</sup> Regional Conference on the History and Philosophy of Science, University of Colorado, Boulder, 2007

Commentator and referee, Rocky Mountain Student Philosophy Conference, 2003 – 2007

### **Teaching Experience**

1. Instructor, University of Colorado, Boulder, 2005 – present

Instructor of record for the following courses:

- Introduction to Philosophy
- Introduction to Ethics
- Introduction to Logic
- Philosophy and Society
- Introduction to Philosophy of Science
- History of Science from Newton to Einstein
- Major Social Theories
- Environmental Justice
- Environmental Ethics

2. Graduate Teaching Assistant, University of Colorado, Boulder, 2002 – 2005

Directed discussions and graded assignments for:

- Introduction to Philosophy
- Introduction to Ethics
- Philosophy and Society
- History of Science from Ancients to Newton
- Epistemology
- Philosophy of Science summer seminar for advanced undergraduates

3. Faculty Member, Governing Board Member, and Math/Science Department Head, Metropolitan Arts Institute (High School), in Phoenix, AZ, 1998 – 2002

4. Faculty Member and Math/Science Department Head, New School for the Arts (High School), in Scottsdale, AZ 1995 – 1998

Instructor of record for the following courses at both high schools:

- Environmental Science
- Biology I, Biology, II
- Chemistry
- Physics
- Human Anatomy and Physiology

5. Graduate Teaching Assistant, California Polytechnic University, Pomona, CA, 1993 – 1995  
Led discussion and laboratory sessions for Introduction to Biology for Biology Majors

### **Other Professional Activities**

Member of Honor Code Advisory Board at Univ. of Colorado, Boulder, Fall 2018 – present.

Instructor for Residential Academic Programs at Univ. of Colorado, Boulder, 2012 – present.  
- Sewall RAP, Farrand RAP, Libby Arts RAP, and Communication and Society RAP.

Member of Inclusive Excellence Committee, Libby RAP, Spring 2016.

Graduate student assistant for the Philosophy Outreach Program of Colorado, 2009 – 2011  
Organized visits by philosophy graduate students to Colorado high schools for short philosophy workshops. Duties included advertisement of program and facilitating contact between graduate students and high school teachers.

Member of Philosophy Department Graduate Curriculum Committee, 2007 – 2008

Philosophy Department Graduate Student President, 2006 – 2007

Event organizer for the Committee on the History and Philosophy of Science, 2004 – 2007  
Event planning for workshops, colloquia, and annual conference. Responsibilities included scheduling, arranging speaker accommodations, catering, transportation, and advertisement.

Graduate student co-host for philosophy talk show “Razing Doubt” that aired on the university run radio station 1190 AM KVCU, 2006.

Primary writer for *SAT II Biology for Dummies*, 2005. Wiley

### **References**

Carol Cleland, Ph.D.  
Professor of Philosophy  
University of Colorado, Boulder  
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Robert Rupert, Ph.D.  
Professor of Philosophy  
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Eric Stade  
Professor of Mathematics  
Sewall RAP Director  
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