

KRISTIN C. YOUNG

Ecology and Evolutionary Biology
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EDUCATION

2003 – present	Ph.D. candidate, <i>degree expected 4/09</i>	University of California, Irvine
2001	B.A., Environmental Science, <i>cum laude</i>	Wittenberg University

TEACHING EXPERIENCE: *University of California, Irvine*

Teaching Assistant

2003 – 2009

Responsibilities: Leading discussion sections, developing and maintaining course websites, developing exams and other assessment tools, grading essays, lab reports, and exams, assisting students during regular office hours, leading field excursions

Courses

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| ▪ Organisms to Ecosystems: Introductory ecology course for majors | 3 quarters |
| ▪ Processes in Ecology and Evolution: Introductory evolution course for majors | 1 quarter |
| ▪ Experimental Biology Laboratory: Lab and writing-intensive course for majors | 2 quarters |
| ▪ Tropical Biology: Race to Save the Tropics: Course for non majors | 2 quarters |
| ▪ Conservation Biology: Upper division course for majors | 1 quarter |
| ▪ Restoration Ecology: Upper division course for majors | 1 quarter |
| ▪ Field Methods in Ecology: Upper division writing-intensive course for majors | 1 quarter |
| ▪ Technology Assistant: Implemented interactive student response system | 1 quarter |

Course Co-coordinator

Responsibilities: Running interactive student response system for 900 students, administering and grading weekly assessments, leading discussion section, preparing and administering exams

Course

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| ▪ Organisms to Ecosystems: Introductory ecology course for majors | 1 quarter |
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TEACHING ENRICHMENT EXPERIENCE: *University of California, Irvine*

2007: *Student Representative to Curriculum Committee*, Dept. of Ecology and Evolutionary Biology

- Appointed to serve as the graduate student representative to the curriculum committee
- Represented graduate student voice on hotly debated departmental curriculum issues
- Actively participated in re-design of graduate student curriculum for the department

2006: *Pedagogical Fellow*, Teaching, Learning and Technology Center

- Facilitated 24 incoming graduate students in the Department of Chemistry through two days of intensive, learner-centered workshops during the campus-wide Teaching Assistant Professional Development Program

2006: *Guest Lecturer*, University of California, Irvine

- Presented a lecture to 60 undergraduate tropical biology students on convergent evolution and comparisons between the paleo- and neo-tropics
- Facilitated an interactive discussion immediately afterwards

2005: *Pedagogical Fellow*, Teaching, Learning and Technology Center

- Designed and led three days of interactive workshops for 16 incoming teaching assistants in the Department of Ecology and Evolutionary Biology as a part of the campus-wide Teaching Assistant Professional Development Program

2005: *Guest Lecturer*, University of California, Irvine

- Presented a lecture to 100 undergraduate conservation biology students on the history of environmental politics from 1960-2005
- Engaged students in group activities designed for synthesis of material presented in lecture

GRANTS, FELLOWSHIPS, AND AWARDS

2008 Frances Benton Fellowship, UC Irvine
2008 Organization for Tropical Studies Emily Foster Memorial Fellowship
2008 UCI Biological Sciences Graduate Travel Award
2007 Most Promising Future Faculty Member, UC Irvine (Dissertation Fellowship)
2006-07 GAANN (Graduate Assistance in Areas of National Need) Fellowship
2006-07 GAANN Award for Travel and Research
2006 GAANN Summer Fellowship
2006 GAANN Award for Travel and Research
2006 UCI Pedagogical Fellowship
2006 American Philosophical Society Lewis and Clark Fund for Field Exploration and Research
2006 Charles A. and Anne Morrow Lindbergh Foundation Scholarship
2006 Bob and La Rae Parry Environmental Scholarship
2006 UCI Biological Sciences Graduate Travel Award
2005 Organization for Tropical Studies Emily Foster Memorial Fellowship
2005 UCI CalIT² EcoRaft Summer Fellowship
2005 UCI Pedagogical Fellowship
2004 Organization for Tropical Studies Post-Course Research Award
2004 UCI Biological Sciences Graduate Travel Award
2003 UCI Ecology and Evolutionary Biology Applicant Award
1998-01 Wittenberg University Alumni Award
1999 Jennifer Ritzmann Memorial Scholarship for studies in Tropical Biology

PUBLICATIONS

Young, KC, Carpenter FL, Parker, DP, Son, S. Testing the effects of an Al-hyperaccumulating tree on native trees in abandoned pasture in Costa Rica. *In preparation*.

Young, KC, Carpenter FL, Parker, DP. Facilitating succession with a N-fixing legume and an Al-hyperaccumulating tree. *In preparation*.

Tomlinson B, Yau ML, Baumer E, Goetz S, Carpenter L, Pratt R, **Young K**, May-Tobin C. 2006. The EcoRaft Project: A multi-device interactive graphical exhibit for learning about Restoration Ecology. In: *ACM Conference On Human Factors In Computing Systems (CHI 2006)*, *Work in Progress*. Montreal, Canada.

Carpenter FL, Nichols JD, Pratt RT, **Young KC**. 2004. Methods of facilitating reforestation of tropical degraded land with the native timber tree, *Terminalia amazonia*. *Forest Ecology and Management* 202: 281-291.

NON-TECHNICAL PUBLICATIONS

Young, K. 2006. Tropical Pasture Restoration using Mayo blanco. *Amigos Newsletter, Organization for Tropical Studies*, 66:8.

Young, K. 2005. Aluminum in the soil: Poisonous for some, used as a defense by others? *Amigos Newsletter, Organization for Tropical Studies* 64: 9.

PRESENTATIONS

Young, KC and D Parker. Can aluminum-accumulating plants decrease Al-toxicity? A test of a potential tool in tropical restoration ecology. Ecological Society of America Conference, Milwaukee, WI. August 2008.

Tomlinson, B., FL Carpenter, RT Pratt, **KC Young** and CC May-Tobin. EcoRaft: A series of interactive museum exhibits to help grade school children learn about restoration ecology. Ecological Society of America Conference, Milwaukee, WI. August 2008.

Young, KC, FL Carpenter and D Parker. Facilitating succession using an Al-hyperaccumulator, *Vochysia guatemalensis*. Las Cruces Conference on Conservation and Restoration. Las Cruces, Costa Rica. July 2008.

Young, KC, FL Carpenter and D Parker. Facilitating succession on abandoned pasture in Costa Rica using an aluminum-hyperaccumulating tree, *Vochysia guatemalensis* (Vochysiaceae). Ecological Society of America / Society for Ecological Restoration Joint Meeting, San Jose, CA. August 2007.

Young, KC. Restoring productivity to degraded lands in Costa Rica using native nurse trees. Organization for Tropical Studies Field Camp Course. Las Cruces Biological Station, San Vito, Costa Rica. August 2006.

Young, KC. Restoring productivity to degraded lands in Costa Rica using native nurse trees. Native American and Pacific Islander Research Experience. Las Cruces Biological Station, San Vito, Costa Rica. July 2006.

Young, KC. Facilitating the successional process in a degraded tropical ecosystem. Charles A. and Anne Morrow Lindbergh Foundation Awards Event. St. Paul, MN. May 2006.

UNIVERSITY SERVICE

2006-07: *Student Representative to Admissions Committee*, Dept. of Ecology and Evolutionary Biology

- Appointed to serve as the graduate student representative to the admissions committee
- Participated in new student recruiting effort by helping to organize recruitment weekend
- Evaluated all applicant files for prospective graduate students and provided recommendations

2006-07: *Graduate Student Representative*, Department of Ecology and Evolutionary Biology

- Serve as a liaison between graduate students and faculty
- Attend faculty meetings
- Co-coordinate all aspects of the departmental Graduate Student Symposium

2007: *Panelist: PhD Workshop*, School of Biological Sciences

- Participated in a panel for undergraduates preparing to attend PhD programs in the biological sciences

2007: *Panelist: Show me the money: Securing funding as a graduate student*, Dept. of Ecology and Evolutionary Biology

- Advised first year graduate students on how to secure funding through various granting agencies

2006: *Hiring Committee Member*, Associate Director Position, Instructional Resources Center (IRC)

- Interviewed and assessed potential candidates for the associate director position

OTHER SERVICE

Reviewer

2008: Plant and Soil

2007: Pedosphere

2007: *Guest Lecturer*, McAuliffe Middle School, Los Alamitos, CA

- Presented a slide show on “Deforestation in Costa Rica: Progress and the Cost of Progress” to four middle school classes
- Students participated in an interactive question-answer session following the presentation

2000-2001: *Language Immersion Tutor*, Northwestern Middle School, Springfield, OH

- Developed and implemented a nine-month program to teach English as a second language to Mexican immigrants attending Northwestern Middle and Elementary Schools
- Tutored on a variety of subjects including grammar, literature, history, math and science

LANGUAGES

Con conversationally fluent and advanced proficiency in reading and writing Spanish.