

Amanda Crump

Lecturer and Researcher, International Agricultural Development
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EDUCATION

Ph.D., Education; University of California, Davis; 2018;
Emphases: Adult education, feminist theory
Dissertation: Designed learning in an agricultural college classroom
M.S., Plant Pathology and Weed Science; Colorado State University; 2007
Certificate: International Development Studies
Thesis: Dissemination of forest health research in the Rocky Mountains
B.S., Agricultural Education; University of Idaho; 1997

PROFESSIONAL EXPERIENCE

University of California, Davis; Davis, CA

Lecturer with Potential for Security of Employment (tenure-track title), International Agricultural Development, Department of Plant Sciences, July 2018 to present

The International Agricultural Development program at UC Davis prepares undergraduate and graduate students for careers in agricultural and rural development. As a lecturer, I teach classes on international agricultural development theory and practice, program management and evaluation, and social change. I focus my research on international and domestic adult agricultural education and am working to develop evaluation measures for undergraduate courses and seeking to improve educational outcomes for women and other groups who have less access to formal education.

University of California Division of Agriculture and Natural Resources; Davis, CA

Director, Western Integrated Pest Management Center, May 2016 to July 2018

The Western Integrated Pest Management Center works to reduce the risks pests and pest-management practices pose to human health, the environment and the economy of the West. Integrated pest management is a science-based process to reduce risks from pests using the most economical and environmentally responsible means, and is used to solve pest problems in agriculture, natural areas and communities. As director, I provided overall management and guidance of all Center activities, conducted program planning and evaluation, coordinated with the USDA National Institute of Food and Agriculture and the other regional centers, served as the liaison to other regional programs and Western state agencies and institutions, and oversaw Center staff.

University of California, Davis; Davis, CA

Associate Director, Horticulture Innovation Lab, Jan. 2012 to April 2016

Instructor (Associate In), Department of Plant Sciences, Jan. 2013 to April 2016

Executive Program Coordinator, Horticulture CRSP, Dec. 2009 to Dec. 2011

The Horticulture Innovation Lab builds international partnerships for fruit and vegetable research that improves livelihoods in developing countries. The program is led by a team at UC Davis, with funding from USAID as part of the U.S. government's Feed the Future initiative. As associate director, I managed \$36 million in research projects and was the primary point of contact for reporting results to federal donor, advisory board members, and stakeholders. I wrote requests for proposals and managed the proposal review process and led the monitoring and evaluation of funded research projects. I also led the gender equity program. Teaching responsibilities are outlined below.

University of California Cooperative Extension, Division of Agriculture and Natural Resources; Fresno, CA
Environmental Horticulture Farm Advisor, June 2008 to Dec. 2009

University of California Cooperative Extension is a network of researchers and educators who develop and provide science-based information to solve locally-relevant issues. As an extension educator, I conducted a county-based extension program of education and applied research in environmental horticulture that focused on tree health, pesticide safety, and sustainable landscaping.

California State University-Fresno, Fresno, CA and Reedley College, Reedley, CA

Adjunct Instructor, Aug. 2007 to July 2008

I taught plant science and biology courses to students from varying social, economic, and cultural backgrounds.

Colorado State University, Fort Collins, CO

Graduate Research Assistant, Department of Bioagricultural Sciences and Pest Management; Jan. 2005 to Jan. 2007

I coordinated research efforts to reduce white pine blister rust disease pressure on trees in Western parks and recreation areas through integrated pest management tactics. My thesis research determined the most effective strategies to deliver forest health research results and recommendations to US Forest Service personnel.

Program Assistant, Colorado Environmental Pesticide Education Program; May 2006 to Aug. 2006

The Colorado Environmental Pesticide Education Program provides accurate, up-to-date information on pesticide laws and regulations, environmental protection, worker protection, and pesticide safety for applicators, trainers, agricultural workers and supervisors, and the general public. As program assistant, I created an educational photo series to educate farm workers of methods to reduce pesticide contamination.

University of Idaho, Moscow, ID

Assistant to the Director of Academic Programs, College of Agricultural and Life Sciences; Aug. 2001 to Dec. 2006

I was responsible for recruitment and retention of students to the College of Agricultural and Life Sciences. I traveled throughout the Pacific Northwest and met with potential students and their families. I assisted students in more than 20 undergraduate programs ranging from rural sociology to entomology and from microbiology to nutrition.

American Red Cross, Ramstein, Germany

Volunteer Coordinator, 1998 to 2001.

I coordinated volunteers for the U.S. Army hospital, worked on disaster relief throughout Europe and coordinated emergency response for soldiers deployed to war zones.

TEACHING EXPERIENCE

University of California, Davis; Davis, CA.

Lecturer with Potential for Security of Employment, Department of Plant Sciences, July 2018 to present

Instructor (Associate In_), Department of Plant Sciences; 2013 to 2016

- International Agricultural Development 10. (IAD 10). Introduction to International Agricultural Development; winter quarters 2013, 2014, 2015, and 2016 (Associate In_ title); course is an overview for the undergraduate major and a general education elective intended to expose students to critical thinking about international agricultural development as well as provide background in the social and natural science aspects of working with community members and farmers in developing countries.
- International Agricultural Development 200N. (IAD 200N). Philosophy and Practice of Agricultural Development; fall quarters 2013, 2014, and 2015 (Associate In_ title); course is an overview for the graduate major designed to prepare new graduate students to think critically about working in international agricultural development as well as provide an overview of the history and philosophy of development.
- International Agricultural Development 290. (IAD and PLS 290). Women in International Agriculture Seminar (Winter 2014), Integrating Gender and Nutrition into Agricultural Extension Services (Spring 2015, Winter 2016); seminars were offered to supplement students' education in gender equity programming in international agricultural development.

California State University-Fresno; Fresno, CA.

Adjunct Instructor. Department of Plant Sciences; 2007 to 2008

- Plant Science 105. (PLANT 105). Food, Society, and the Environment; fall and spring semesters 2007 and 2008 (multiple sections as adjunct instructor); course describes linkages between food production, humans, and the environment and includes a critical look at important agricultural issues such as water and air quality and biotechnology.

Reedley College; Reedley, CA.

Adjunct Instructor. Department of Biology; 2007 to 2008

- Biology 22. (BIOL 22). Human Physiology; fall and spring semesters 2007 and 2008 as adjunct instructor; course describes basic cellular level principles of the human body.
- Biology 1. (BIOL 1). Principles of Biology; summer 2008 as adjunct instructor; course is the introductory course to biology and covers basic biology principles.

Colorado State University; Fort Collins, CO.

Graduate Teaching Assistant. Department of Biology; 2005 to 2006

- Botany 120. (BZ 120). Botany; graduate teaching assistant responsible for two to three laboratory sections each semester where students reinforced their knowledge of botany through hands on experiments.

Other teaching experiences:

- Graduate teaching assistant at University of California, Davis for EDU 100; Introduction to Teaching; 2010-2011.
- Guest lecturer in vegetable production, international cropping systems, and several other courses at University Idaho (2001-2004) and University of California, Davis (2009-2014).
- Student teacher, Fruitland High School, Idaho; secondary agriculture and mechanics; 1997.

GRANTS RECEIVED AND RESEARCH CONDUCTED

Crump, A. and W. Dean. 2018. Social science research gaps in integrated pest management. Supported by the Western Integrated Pest Management Center with USDA National Institute of Food and Agriculture Funding.

Baur, M.E., A. Crump, S.F. Elliott, and J.J. Farrar. 2017. The role of IPM in managing insect vectors: A case study of West Nile virus in California. Supported by the Western Integrated Pest Management Center with USDA National Institute of Food and Agriculture Funding.

Farrar, J.J., A. Crump, K. Al Khatib, P.C. Jepson, P.C. Ellsworth. 2014. A Western IPM Center led by California, Oregon and Arizona. \$4,000,000. (I direct this program.)

McNamara, P.E., A. Bohn, S. Russo, D. Rubin, and M. Bell. 2014. Integrating gender and nutrition within agricultural extension services. \$7,000,000. (\$1,260,212 to UC Davis. I co-wrote grant proposal and co-directed UC Davis activities.)

Mitcham, E.J. 2014. Horticulture Innovation Lab continuation. \$18,750,000. (I co-wrote proposal and was the associate director of this program.)

Crump, A. 2013. Promoting the learning and development of extension educators. Dissertation research. Supported by departmental grants and fellowships of \$5,300.

Crump, A. 2011. Investigating women's perspectives on agricultural extension. Supported by departmental grants and fellowships of \$1,000.

Geisel, P., M. Bianchi, A. Crump, D. Fujino, L. Harris, J. Hartin, C. Ingels, S. Oneto, D. Pittenger. 2011. Train the trainer in edible landscaping for industry professionals and Master Gardeners. UC ANR Competitive Grant. \$49,949.

Crump, A. and B.D. Hanson. 2009. Testing the effects of ethylene on suicidal germination of Japanese dodder (*Cuscuta japonica* Choisy) plant fragments and seeds. CDFA Weed Management Area Mini-Grant. \$3,409.

Crump, A. 2009. Protecting the urban watershed speakers' series. Fresno Metropolitan Flood Control District Storm Water Grant. \$1,500.

Bushoven, J. and A. Crump. 2009. Effects of selenium mustard meal on pests in greenhouse crops. Supported by in-kind contributions from USDA-ARS and California State University, Fresno.

- Crump, A. and R.H. Molinar. 2008. Assessment of invasive potential of *Paulownia* spp. Supported by start-up funds.
- McDonald, S. K., T.L. Steinke, M. Farrell, and A. Crump, 2006. Developing educational modules for maintaining pesticide applicator's personal protective equipment. HICAHS Mini-Grant. Colorado State University. \$4,750.
- Brodmerkle, A., de la Concepcion, E., J. Foltz, Galvan, N., M. McGuire, and A. Vander Meer (Crump), 2003. Externship for Multicultural Scholars: Veterinary Medicine Experience, Centers for Disease Control and Prevention Experience, and Peruvian Economics Experience. USDA grant. \$20,000.

PUBLICATIONS AND ABSTRACTS

- Farrar, J.J., P.C. Ellsworth, R. Sisco, M.E. Baur, A. Crump, A.J. Fournier, M.K. Murray, P.C. Jepson, C.M. Tarutani, K.W. Dorschner, 2018. Assessing compatibility of a pesticide in an IPM program. *Journal of Integrated Pest Management*. 9(1):3. <https://doi.org/10.1093/jipm/pmx032>
- Crump, A. and A. Fournier, 2017. Common Measures for National Agricultural Programs. Proceedings of the American Evaluation Association. Washington, DC. (Abstr.)
- Jacobi, W.R., P. Pineda Bovin, K.S. Burns, A. Crump, and B.A. Goodrich, 2017. Pruning limber pine to reduce impacts from white pine blister rust in the southern Rocky Mountains. *Forest Science*. 63(2): 218-224. <https://doi.org/10.5849/forsci.16-011>
- Crump A., J. Farrar, A.J. Fournier, and P.C. Ellsworth, 2017. Pesticide use data informs regulatory policies. American Chemical Society 254th National Meeting and Exposition, Washington, DC. (Abstr.)
- Farrar J., A. Crump, A.J. Fournier, and P.C. Ellsworth, 2017. Pesticide use data to evaluate the impact of integrated pest management programs in Arizona and California. American Chemical Society 254th National Meeting and Exposition, Washington, DC. (Abstr.)
- Lewis, E. and A. Crump (2017, April 3). ICCE TIG Week: Strategies to evaluate international research. American Evaluation Association AEA365: A tip-a-day by and for evaluators blog. Retrieved from <http://aea365.org/blog/icce-tig-week-strategies-to-evaluate-international-research-by-elysaa-lewis/>
- Farrar, J.J., M.E. Baur, M.K. Murray, S.F. Elliott, and A. Crump, 2016. Pest Management Strategic Plans improve investment in integrated pest management in Pacific Northwest hops. Proceedings of the American Pathological Society Pacific Division. La Conner, WA. (Abstr.)
- Alvis, S., A. Crump, and R. Mendum, 2016. University partnerships: Developing human and institutional capacity for food security. Proceedings of the Association of International Education Administrators. Quebec, Canada. (Abstr.)
- Crump, A., 2013. Investigating women's perspectives on agricultural extension. *Journal of International Agricultural and Extension Education*. 20(2):175-177. (Abstr.)
- Mitcham, E., A. Crump, E. Peach-Fine, M. Reid, M. Bell, and R. Voss, 2013. Horticulture Collaborative Research Support Program: Making an impact in Africa. *Acta Hort.* (ISHS) 1007:627-634 (Abstr.)
- Crump, A., W.R. Jacobi, and J.E. Lundquist, 2011. Dissemination of forest health research information in the Rocky Mountains. *Journal of Forestry*. Jan/Feb: 43-49 <https://doi.org/10.1093/jof/109.1.43>
- Crump, A., W.R. Jacobi, K.S. Burns, and B.E. Howell, 2011. Pruning to manage white pine blister rust in the southern Rocky Mountains. Res. Note RMRS-RN-44. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 10 p.
- Crump, A., P. Shapland, R.E. Voss, M.S. Reid, M. Bell, and E.J. Mitcham, 2010. Horticulture CRSP Immediate Impact Projects address needs in developing countries. *HortScience*. 45(8):S266. (Abstr.)
- Crump, A., 2009. Anthracnose: Pest Note. Revision of ANR Publication No. 7420.
- Crump, A. and S.K. McDonald, 2009. Using pesticide residue photos to change behaviors of pesticide applicators. *Phytopathology*. 99(6):S26. (Abstr.)
- Burns, K.S., A. Crump, W.R. Jacobi, and B. Howell, 2005. Pruning blister rust cankers to preserve high value trees. Proceedings of the 53rd Annual Western International Forest Disease Work Conference. Jackson, WY. (Abstr.)
- Vander Meer (Crump), A., 2005. Alum Capt. JoAnn Allen Holland helps Indian nations conquer diabetes. *Programs and People*. University of Idaho Press. Summer 2005.

AWARDS AND PROFESSIONAL ACTIVITIES

Distinguished Speaker, Virginia Tech Women and Gender Studies Discussion Series, 2017; Unintended consequences: Strategies to limit gender-based violence in international agricultural development.

Distinguished Service Award Recipient (2015) and Outstanding Young Professional (2010) – Association for International Agriculture and Rural Development

Member: American Evaluation Association, Association for International Agricultural and Extension Education, Association for International Agriculture and Rural Development, Rural Sociological Society, Western International Forest Disease Working Group, American Society for the Prevention of Invasive Forest Pests, American Phytopathological Society, Western Society of Weed Science, Western Forest Insect Work Group, Leadership Idaho Agriculture

Advisory Board Member – University of California Master Gardener Program