

REBECCA CREAMER

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EDUCATION

- Ph.D. 1989 Plant Pathology, University of California, Davis. Dissertation: Aphid transmission specificity and mixed infection interactions of barley yellow dwarf viruses.
- M.S. 1985 Plant Pathology, University of California, Davis. Thesis: Characterization and elicitor activity of lipids from *Phytophthora infestans* in the hypersensitive response of potato tuber tissue and studies of phytoalexin elicitors in *Bipolaris carbonum* and *Ceratocystis fimbriata*.
- B.S. 1981 Plant Pathology, University of Kentucky, Lexington.

PROFESSIONAL EXPERIENCE

- 2011 – present Professor, Department of Entomology, Plant Pathology, and Weed Science, New Mexico State University
- 2008 – 2013 Director, Molecular Biology Graduate Program, NMSU
- 2005 - 2011 Associate Professor, Dept EPPWS, New Mexico State University
- 1999 - 2005 Assistant Professor, Dept EPPWS, New Mexico State University
- 1990 - 1999 Assistant Professor, Dept of Plant Pathology, Univ. of California, Riverside
- 1989 - 1990 Post-Doctoral Researcher, Department of Plant Pathology, Ohio State University, Ohio Agricultural Research and Development Center

PROFESSIONAL AFFILIATIONS

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|-----------------------------------------------------|-------------------------|
| American Phytopathological Society | 1983-present |
| Senior Editor of Plant Disease | 1995-1997 |
| Associate Editor for Plant Disease | 1993-1994 and 2004-2006 |
| Virology Committee | 1993-1995, 2010-present |
| Virus-vector Committee | 2010-present |
| Entomological Society of America | 1990-present |
| Society of Southwestern Entomologists | 2000-present |
| Mycological Society of America | 2010-present |
| American Association for the Advancement of Science | 2006 - present |
| WERA1007 Curly Top Regional Project | 2004 – present |
| Gamma Sigma Delta | 1994-present |
| W1193 Locoweed Regional project | 2015-present |

PUBLICATIONS (5 yrs)

- Cook, D., Donzelli, B.G.G., Creamer, R., Baucom, D. L., Gardner, D.R., Pan, J., Moore, N. Jaromczyk, J.W., Schardl, C.L. 2017. Swainsonine biosynthesis genes in diverse symbiotic and pathogenic fungi. G3:Genes, Genomes, Genetics. In press. doi.org/10.1534/g3.117.041384
- Lu, H., Quan, H., Zhou, Q., Ren, Zhenhui, Xue, R., Zhao, B., Creamer, R. 2017. Endogenous fungi isolated from three locoweed species from rangeland in western China. Afr. J. Microbiol. Res. 11:155-170.
- Mauricio-Castillo, J. A., Reveles-Torres, L.R., Mena-Covarrubias, J., Arguello-Astorga, G. R., Creamer, R., Franco-Banuelos, A., Salas-Munoz, S. 2017. First Report of beet curly top virus- PeYD associated with a new disease in chile pepper plants in Zacatecas, Mexico. Plant Disease, 101:513.
- Salas-Muñoz, S., Velásquez-Valle, R., Reveles-Torres, L. R., Creamer, R., and Mauricio-Castillo, J. A. 2016. First report of 'Candidatus Phytoplasma trifolii' - related strain associated with a new disease in tomato plants in Zacatecas, Mexico. Plant Disease 100:11.
- Liu, J. Li, Y., Creamer, R. 2016. A re-examination of the taxonomic status of *Embellisia astragali*. Current Microbiology 72:404-409.
- Creamer, R. and Valle Vasquez, R. 2015. Curtovirus infection of peppers in Mexico and New Mexico. Pages 239-256 in Virus y fitoplasmas de Chile: una perspectiva regional. Libro tecnico No 10. Campo Experimental Zacatecas. CIRNOC-INIFAP, 279 p.
- Alhawatem, M.S., Sanogo, S., Baucom, D.L., and Creamer, R. 2015. A search for the phylogenetic relationship of the Ascomycete *Rhizotonia leguminicola* using genetic analysis. Mycopathologia 179:381-389.
- Al-Khatib, R. Bsoul, E., Blom, D. A., Ghoshroy, K., Creamer, R., and Ghoshroy, S. 2103. Microscopic analysis of lead accumulation in tobacco (*Nicotiana tabacum* var. Turkish) roots and leaves. J. Microscopy and Ultrastructure 1:57-62.
- Grum, D.S., Cook, D., Baucom, D., Mott, I.W., Gardner, D.R., Creamer, R., and Allen, J.G. 2013. Production of the alkaloid swainsonine by a fungal endophyte in the host *Swainsona canescens*. Journal of Natural Products 76:1984-1988.
- Creamer, R. and Baucom, D. 2013. Fungal endophytes of locoweeds: A commensal relationship? J. Plant Physiol. and Pathol. 1:2 doi:10.4172/jppp.1000104
- Reyna, R., Cooke, P., Grum, D., Cook, D., and Creamer, R. 2012. Detection and localization of the endophyte *Undifilum oxytropis* in locoweed tissues. Botany 90:1229-1236.
- Baucom, D. Romero, M., Belfon, R., Creamer, R. 2012. Two new species of *Undifilum*, fungal endophytes of *Astragalus* locoweed in the United States. Botany 90:866-875.
- Mukherjee, S, Dawe, AL, Creamer, R. 2012. Potential role for saccharopine reductase in swainsonine metabolism in endophytic fungus, *Undifilum oxytropis*. Fungal Biol 116:902-909.
- Li., H., Gao, R., Liu, Y., Wang, J., Hu, Y., Yang, Z., Yang, G., and Creamer, R. 2012. Proteomics analysis of *Rhizoctonia leguminicola*, the phytopathogenic fungus that produces slaframine and swainsonine. J. Food, Agriculture, and Environment 10:956-961.
- Achata Bottger, J., Creamer, R. Gardner, D. 2012. Seasonal changes in *Undifilum* colonization and swainsonine content of locoweeds. J Chem Ecol 38:486-495.

- Li, H., Holguin, O., Wang, J., Schaub, T., Wang, J., Hao, C., Geng, G., Creamer, R. 2012. Proteomic analysis of the endophytic fungus *Undifilum oxytropis*. African J Biotech 11:10484-10493.
- Li, H., Yu, Y., Gao, R., Wang, J., Yang, G., Yang, Z., Baucom, D., Creamer, R. 2012 Analysis of secreted proteins from *Undifilum cinereum* by two dimensional gel electrophoresis and liquid chromatography-mass spectrometry/mass spectrometry. Journal of Animal and Veterinary Advances 11:1881-1889.
- Li, H., Wang, J., Wang, J., Creamer, R. 2012. Protein extraction methods for the two-dimensional gel electrophoresis analysis of the slow growing fungus *Undifilum oxytropis*. African Journal of Microbiology 6:757-763.
- Al-Khatib, R, Creamer, R, and Ghoshroy, S. 2012. Physiological and ultrastructural effects of lead (Pb) on tobacco (*Nicotiana tabacum* var. Turkish). Biologia Plantarum 56:711-716
- Vuong, H, Caccimase, D, Remmenga, M. and Creamer, R. 2012. Ecological associations of West Nile virus and avian hosts in arid environments of southern New Mexico. Studies in Avian Biology 42:3-21.
- Sedano, M, Lam, N, Escobar, I, Cross, T, Hanson, SF, and Creamer, R. 2012. Application of vascular puncture for evaluation of curtovirus resistance in chile pepper and tomato. J Phytopathol 160:120-128.