

Abstracts and Presentations with Cornell Undergraduates (Tepper Research Lab):

(* Indicates Cornell student author)

- Buman*, D., Moyer*, M., Anderson, A.J. and Tepper, C.S. 1991. Molecular basis of plant defense strategies. Fifth Annual Life Sciences Symposium, Iowa State University.
- Ostovar*, H. and Tepper, C. 1992. Phylogenetic analysis of several species of sunflower (*Helianthus*) using restriction fragment length polymorphisms. ACM Minority Students and Academic Careers Workshop.
- Meyers*, J., Sullivan, P., Anderson, A. and Tepper, C. 1993. Intercellular signaling and plant defense gene activation. Iowa Academy of Science.
- Rashid*, M. and Tepper, C. 1993. Isolation of RNA from Incubated Red Kidney Bean Tissue for Cloning of the Catalase Gene. ACM Minority Students and Academic Careers Workshop.
- Nulsen*, C. and Tepper, C. 1993. Hydrolytic Enzyme Response in *Phaseolus vulgaris*. ACM Minority Students and Academic Careers Workshop.
- Couch*, S., McClary*, K., Nulsen*, C. and Tepper, C. 1994. The Role of H₂O₂ in Plant Defense Gene Activation. Iowa Academy of Science.
- Huynh*, B. and Tepper, C. 1994. Effects of Activated Oxygen Species on Plant Defense Mechanisms. ACM Minority Students and Academic Careers Workshop.
- Freeman*, L. and Tepper, C. 1995. The Search for the Catalase Gene. ACM Minority Students and Academic Careers Workshop.
- Brannan*, J., Craici*, A., Freeman*, L., Johnson*, B., Messer*, J., Stec*, M., Renaud*, S. and Tepper, C. 1997. Controlling the Radicals: The Search for the Plant Enzyme Catalase. Cornell College Student Symposium.
- Freeman*, L. and Tepper, C. 1997. Controlling the Radicals: The Search for the Plant Enzyme Catalase. ACM Minority Students and Academic Careers Workshop.
- Brannan*, J., Christensen*, K., Freeman*, L., Lenarz*, C. and Tepper, C. 1998. The Search for Catalase. Cornell College Student Symposium.
- Brannan*, J., Craici*, A., Christensen*, K., Lenarz*, C. and Tepper, C. 1998. The Role of Catalase in Plant Defense. Annual Life Sciences Symposium on Enzymology, Iowa State University.
- Brannan*, J. and Tepper, C. 1998. The Role of Catalase in Plant Defense. R.J. McElroy Student/Faculty Research Symposium.
- Christensen*, K. and Tepper, C. 1998. Hydrogen Peroxide, Catalase, and Plant Defense. Argonne Symposium for Undergraduates in Science, Engineering and Mathematics.
- Christensen*, K. and Tepper, C. 1999. Cloning at Cornell. Cornell College Student Symposium.
- Rippel*, N. and Tepper, C. 1999. Plants Have Mitochondria?!?! Cornell College Student Symposium.
- Christensen*, K. and Tepper, C. 1999. Hydrogen Peroxide, Catalase, and Plant Defense. R.J. McElroy Student/Faculty Research Symposium.
- Farley*, J. and Tepper, C. 1999. Using Plant Transformation to Understand Plant Defense. ACM Minority Students and Academic Careers Workshop.
- She*, K. and Tepper, C. 1999. The Search for Catalase. ACM Minority Students and Academic Careers Workshop.
- Farley*, J., She*, K., Strovas*, T., Tompkins*, V. and Tepper, C. 2000. Insertion of a putative Catalase cDNA into the Binary Vector pAS 2023. Cornell College Student Symposium.

- Phe*, S. and Tepper, C. 2000. Using *Agrobacterium* and GUS to Understand Plant Defense. ACM Minority Students and Academic Careers Workshop.
- Farley*, J. and Tepper, C. 2000. Insertion of a Catalase cDNA into Binary Vector pAS 2023. R.J. McElroy Student/Faculty Research Symposium.
- Bertelsen*, M., Bunde*, J., Lindbloom*, J., Lindgren*, J., Reisdorff*, R., Reiter*, J., Schneider*, S., and Tepper, C. 2001. DNA Fingerprint Analysis of Fire Coral in San Salvador, Bahamas. Cornell College Student Symposium.
- Gerber*, A., Phe*, S. and Tepper, C. 2001 The Role of Catalase in Plant Defense. Cornell College Student Symposium.
- Cauley*, M. and Tepper, C. 2001. DNA Fingerprinting of Fire Coral. ACM Minority Students and Academic Careers Workshop.
- Phe*, S., Gerber*, A. and Tepper, C. 2001. Determining the Role of Catalase in Plant Defense. R.J. McElroy Student/Faculty Research Symposium.
- Bertelsen*, M. and Tepper, C. 2001. DNA Fingerprint Analysis of *Millepora* Species. St. Mary's University Undergraduate Research Symposium in Biology.
- Leonard*, J., Cauley*, M., Greenstein, B. and Tepper, C. 2002. Morphometry and Genetics of *Millepora* Collected at San Salvador Island, Bahamas. The Geological Society of America Meetings.
- Bain*, A and Tepper, C. 2002. Understanding Plant Defense. Cornell College Student Symposium.
- Burnight*, E. Cardon, J. and Tepper, C. 2002. Analysis of Cytochrome Oxidase: A New Cell and Molecular Biology Lab. Cornell College Student Symposium.
- Cauley*, M. and Tepper, C. 2002. DNA Fingerprint Analysis of Fire Coral. Cornell College Student Symposium.
- Kuehner*, J., McCollum, S.A., and Tepper, C. 2002. Isolation and Identification of Plasticity Genes in Amphibians. Cornell College Student Symposium.
- Cauley*, M. and Tepper, C. 2002 RAPD DNA Fingerprinting Analysis of Fire Coral. R.J. McElroy Student/Faculty Research Symposium.
- Kuehner*, J. McCollum, S.A. and Tepper, C. 2002. Isolation and Identification of Plasticity Genes in Amphibians. TriBeta District Convention at Bethel College.
- Lathrop*, M., McCollum, A. and Tepper, C. 2003. Is there a Genetic Component to Phenotypic Plasticity? Cornell College Student Symposium
- Sjogren*, C., Artemakis*, C. and Tepper, C. 2003. Genetic Analysis of the Nerite Snail Complex using Random Amplified Polymorphic DNA (RAPD). Cornell College Student Symposium
- Waldrop*, M and Tepper, C. 2003. Taxonomic Classification of Fire Coral by AFLP Analysis. Cornell College Student Symposium.
- Sjogren*, C., Artemakis*, C. and Tepper, C. 2003. DNA Fingerprinting of the Nerite Snail Complex of San Salvador, Bahamas using Random Amplified Polymorphic DNA (RAPD) Analysis. Journal of the Minnesota Academy of Science. 67:48
- Lathrop*, M., Kuehner*, J., McCollum, A. and Tepper, C. 2003. Is there a Genetic Component to Phenotypic Plasticity? R.J. McElroy Student/Faculty Research Symposium.
- Lynch*, E. and Tepper, C. 2004. DNA Fingerprinting of the *Oreaster* Species Complex of San Salvador, Bahamas Using Amplified Fragment Length Polymorphism (AFLP) Analysis. Cornell College Student Symposium

- Waldrop*, M. and Tepper, C. 2004. Genetic Analysis of Fire Coral. Cornell College Student Symposium
- Lynch*, E. and Tepper, C. 2004. A Morphological Analysis of Various Color Morphologies of the Sea Star, *Oreaster reticulatus*. Journal of the Minnesota Academy of Science. 68:30.
- Waldrop*, M. and Tepper, C. 2004. Reef Distribution and Genetic Analysis of Fire Coral. R.J. McElroy Student/Faculty Research Symposium.
- Fettkether*, L. Ruter*, B. and Tepper, C. 2005. Isolation of Genes Responsible for Phenotypic Plasticity in the Gray Tree Frog, *Hyla versicolor*. 117th Annual Meeting of the Iowa Academy of Science. p24
- Ruter*, B. Fettkether*, L. and Tepper, C. 2005. Isolation of Genes Responsible for Phenotypic Plasticity in the Gray Tree Frog, *Hyla versicolor*. Cornell College Student Symposium.
- Fettkether*, L. Ruter*, B. and Tepper, C. 2005. Isolation of Genes Responsible for Phenotypic Plasticity in the Gray Tree Frog, *Hyla versicolor*. R.J. McElroy Student/Faculty Research Symposium.
- Bowen*, D. and Tepper, C. 2006. *Millepora*: Speciation or Phenotypic Plasticity? Cornell College Student Symposium
- Ruter*, B., Kaperick*, H. and Tepper, C. 2006. In Search of Genes responsible for Phenotypic Plasticity in Tadpoles. Cornell College Student Symposium
- Bowen*, D. and Tepper, C. 2006. *Millepora*: Speciation or Phenotypic Plasticity? R.J. McElroy Student/Faculty Research Symposium.
- Elledge*, H, Black, R. and Tepper, C. 2007. Decoding the Mystery of Fire Corals of the Bahamas. Cornell College Student Symposium.
- McCulley*, A., Roth*, M. and Tepper, C. 2007. Mine's Bigger than Yours: Exploring Phenotypic Plasticity in *Hyla versicolor* tadpole tails due to predation. Cornell College Student Symposium..
- Roth*, M., McCulley*, A. and Tepper, C. 2007. Mine's Bigger than Yours: Exploring Phenotypic Plasticity in *Hyla versicolor* tadpole tails due to predation. R.J. McElroy Student/Faculty Research Symposium.
- Lehr*, P. Friend*, D. Brachova*, P., Greenstein, B. Black, B. and Tepper, C. 2007. Speciation in the Millepore Complex: What Constitutes a Species? University of Iowa Molecular and Cellular Biology Retreat.
- Squires, L. Lehr*, P., Brachova*, P., Black, B., Tepper, C., Greenstein, B. and Friend*, D 2008. Speciation in the Millepore Complex: What Constitutes a Species? 111th Annual Meeting of the Texas Academy of Science. 117:63-64.
- Lehr*, P. Brachova*, P. Friend*, D. Greenstein, B. Black, B. and Tepper, C. 2008. Speciation in the Millepore Complex: What Constitutes a Species? Cornell College Student Symposium.
- Hay*, C. Reichel*, A. Greenstein, B. Black, B. and Tepper, C. 2009. Speciation in Fire Corals: What constitutes a Species? Cornell College Student Symposium.
- Handke*, C and Tepper, C. 2009 Searching for Genes that Control Phenotypic Plasticity in Amphibians. Cornell College Student Symposium.
- Reichel*, A. Hay*, C. and Tepper, C. 2009. Speciation of *Millepora alcicornis* and *Millepora complanata* R.J. McElroy Student/Faculty Research Symposium.
- Tepper, C. Brachova*, P. Hay*, C. Greenstein, B. and Black, B. 2009 Speciation in the Millepore Complex: What Constitutes a Species? 13th Symposium on the Natural History of the Bahamas. p19.

- Hay*, C. Leopold*, M. Mon*, A. and Tepper, C. 2010. Are Symbionts Better Taxonomists than Scientists? Cornell College Student Symposium.
- Leopold*, M. and Tepper, C. 2010. Are Symbionts Better Taxonomists than Scientists? R.J. McElroy Student/Faculty Research Symposium.
- Gaynor*, S. Mead*, E. and Tepper, C. 2011 Can Symbionts Be Used To Understand Coral Evolution? Cornell College Student Symposium
- Gaynor*, S. Mead*, E. and Tepper, C. 2011 Can Symbionts Be Used To Understand Coral Evolution? 14th Symposium on the Natural History of the Bahamas. p9-10.
- Tepper, C. Gaynor*, S. and Chang, J. 2011. Cryptic Speciation or Intragenomic Variation: Implications for the Millepores (Fire Coral). 14th Symposium on the Natural History of the Bahamas. p20.
- Gaynor*, S. Alleva*, B. and Tepper, C. 2012 Intragenomic Variation in the Millepores. Cornell College Student Symposium.
- Alleva*, B. Gaynor*, S. and Tepper, C. 2012. Cryptic Species or Intragenomic Variation? R.J. McElroy Student/Faculty Research Symposium.
- Fischer*, D. Croffitt*, N. and Tepper, C. 2013. Amplification parameters of three microsatellite loci in Queen Conch (*S. gigas*). Cornell College Student Symposium.
- Tepper, C. and Gaynor*, S. 2013. Concerted Evolution or rDNA Genes in the Millepores. 15th Symposium on the Natural History of the Bahamas. p16.
- Fischer*, D. Croffitt*, N. and Tepper, C. 2013. Characterization of Microsatellite Markers for the Queen Conch (*Strombus gigas*). R.J. McElroy Student/Faculty Research Symposium.
- Bou Karim*, Y. Brown*, A. and Tepper, C. 2014. Are Cryptic Millepore Species Prevalent in the Caribbean? Cornell College Student Symposium.
- Brown*, A. and Tepper, C. 2014. Are Cryptic Millepore Species Prevalent in the Caribbean? R.J. McElroy Student/Faculty Research Symposium.
- Reyes*, S. Rueth*, M. and Tepper, C. 2015. An Examination of the Millepore-Symbiodinium Relationship using Quantitative Polymerase Chain Reaction (qPCR). Cornell College Student Symposium.
- Tepper, C. and Christie-Pope, B. 2015. *Millepora*: An Exploration of Symbiosis and Defense. First Joint Natural History and Geology Conference. p28-29.
- Samayoa*, A. and Tepper, C. 2016. Examining the Symbioses between *Millepora* and *Symbiodinium* at Two Thermally Different Locations. Cornell College Student Symposium.
- Santiago-Rivera*, G. Place*, A. Miller*, W. Li, J. and Tepper, C. 2017. Helping Coral Beat the Heat. Cornell College Student Symposium.