

## **Grant Funding for my Cornell Research Program:**

(\* Indicates Cornell student author)

- Tepper, C.S. (1990-1991). Molecular events in plant stress responses. Cornell College Faculty Development Grant (Student/Faculty Research).
- Tepper, C.S. and Christiansen, P. (1991-1992). Phylogenetic analysis of several species of sunflower (*Helianthus*) using RFLPs. Cornell College Faculty Development Grant (Student/Faculty Research).
- Tepper, C.S. (1992-1993). In-situ hybridization utilizing non-radioactive tags. Cornell College Faculty Development Grant (Student/Faculty Research).
- Ostovar\*, H. and Tepper, C. (1992). Phylogenetic analysis of several prairie species of sunflower (*Helianthus*) using RFLP. ACM Minority Fellowship Program. (Student/Faculty Research)
- Tepper, C.S. (1992-1993). Molecular basis of plant defense strategies. Iowa Science Foundation.
- Tepper, C.S. (1992-1995). Molecular basis of plant defense strategies. NRI Competitive Grants/United States Department of Agriculture.
- Nulsen\*, C. and Tepper, C. (1993). Hydrolytic enzyme response in *Phaseolus vulgaris*. ACM Minority Fellowship Program. (Student/Faculty Research).
- Rashid\*, M. and Tepper, C. (1993). Cloning of DNA sequences encoding superoxide dismutase in *Phaseolus vulgaris*. ACM Minority Fellowship Program. (Student/Faculty Research).
- Tepper, C.S. (1993-1994). A Genetic Characterization of Race-Cultivar Specificity. Cornell College Faculty Development Grant (Student/Faculty Research).
- Tepper, C.S. (1994-1995). Is Hydrogen Peroxide the Answer to a Plant's Problems? Cornell College Faculty Development Grant (Student/Faculty Research).
- Huynh\*, B. and Tepper, C. (1994). The Effects of Hydrogen Peroxide on *Phaseolus vulgaris* and Initiation of Defense. ACM Minority Fellowship Program. (Student/Faculty Research).
- McDermott, R. and Tepper, C.S. (1994) Giving Students the Tools: Active Learning in High School Science. The Greater Cedar Rapids Foundation.
- Christiansen, P.A. and Tepper, C.S. (1994-1995). A Molecular Analysis of Native Iowa Prairie Plants. Iowa Department of Transportation- Living Roadway Trust Fund.
- Freeman\*, L. and Tepper, C.S. (1995). The Role of Catalase in Plant Defense ACM Minority Fellowship Program. (Student/ Faculty Research).
- Tepper, C.S. and Christiansen, P. (1995-1996). Utilizing Classical Plant Taxonomy and Molecular Biology to Rebuild Iowa's Prairies. Cornell College Faculty Development Grant (Student/Faculty Research)
- Freeman,\* L. and Tepper, C.S. (1997). The Role of H<sub>2</sub>O<sub>2</sub> in Plant Defense. ACM Minority Fellowship Program. (Student/Faculty Research).
- Brannan\*, J. and Tepper, C. (1997-98). The Role of Catalase in Plant Defense. Iowa College Foundation/R.J. McElroy Student/Faculty Research Program.
- Tepper, C. (1997-1998) Controlling the Radicals: The Search for Catalase. Cornell College Faculty Development Grant (Student/Faculty Research).
- She\*, K. and Tepper, C. (1998). Can Catalase Modulate Plant Defense? ACM Minority Fellowship Program. (Student/Faculty Research).
- Christensen\*, K. and Tepper, C. (1998-99). Hydrogen Peroxide, Catalase, and Plant Defense.

- Iowa College Foundation/R.J. McElroy Student/Faculty Research Program.
- Tepper, C. (1998-1999) Is Catalase the Modulator for Plant Defense? Cornell College Faculty Development Grant (Student/Faculty Research).
  - Farley\*, J. and Tepper, C. (1999-2000) Using Plant Transformation to Understand Plant Defense. Iowa College Foundation/R.J. McElroy Student/Faculty Research Program
  - Farley\*, J. and Tepper, C. (1999) Developing a Plant Transformation System to Understand the Role of Catalase in Defense. ACM Minority Fellowship Program. (Student/Faculty Research)
  - Tepper, C. (1999-2000) The Development of a Plant Transformation System in Order to Understand Plant Defense. Cornell College Faculty Development Grant (Student/Faculty Research)
  - Gerber\*, A., Phe\*, S. and Tepper, C. (2000-2001). Detection of Catalase Expression in Bean Tissue Using Non-Radioactive in situ Hybridization. Iowa College Foundation/R.J. McElroy student/Faculty Research Program.
  - Phe\* S. and Tepper, C. (2000). Using Agrobacterium to Understand Plant Defense. ACM Minority Fellowship Program. (Student/Faculty Research)
  - Tepper, C. (2000-2001) Detection of Catalase Expression in Bean Tissue using Non-Radioactive in situ Hybridization. Cornell College Faculty Development Grant (Student/Faculty Research)
  - Tepper, C. and Greenstein, B. (2000-2001) Discrimination between Species of the Hydrozoan *Millepora* using Morphologic and Genetic Analyses. Cornell College Faculty Development Grant.
  - Cauley\*, M., Bain\*, A. and Tepper, C. (2001-2002) DNA Fingerprint Analysis of Fire Coral. Iowa College Foundation/R.J. McElroy student/Faculty Research Program.
  - Cauley\*, M. and Tepper, C. (2001) DNA Fingerprinting of the *Millepora* genus of Fire Coral. ACM Minority Fellowship Program. (Student/Faculty Research)
  - Bertelsen\*, M. and Tepper, C. (2001) Hydrozoan *Millepora* Species Discrimination Comparing Somatic Cell Fingerprint Analysis with on-site Gamete RAPD and AFLP Analysis. Beta Beta Beta Research Foundation.
  - Tepper, C. (2001-02). Determining the Copy Number of the Cytochrome Oxidase Gene in the Mitochondria of Plants: A New Cell and Molecular Biology Lab. Cornell College Faculty Development Grant (Student/Faculty Research).
  - Kuehner\*, J. McCollum, A., and Tepper, C. (2001-02) Isolation and Identification of Plasticity Genes in Amphibians. Beta Beta Beta Research Foundation..
  - Tepper, C. (2002-2003) Campbell R. McConnell Fellowship (sabbatical leave).
  - Tepper, C. (2002-2003) Taxonomic Classification of Fire Coral by RAPD Analysis. Cornell College Faculty Development Grant (Student/Faculty Research)
  - Lathrop\*, M. and Tepper, C. (2002-2003) The Genetics of Phenotype Plasticity in Amphibians. Iowa College Foundation/R.J. McElroy student/Faculty Research Program.
  - Sjogren\*, C. and Tepper, C. (2002-03) DNA Fingerprinting of Nerite Snails in the Bahamas. Beta Beta Beta Research Foundation.
  - Tepper, C. (2003-2004) Is there a Genetic Component to Phenotypic Plasticity? Cornell College Faculty Development Grant (Student/Faculty Research)
  - Waldrop\*, M. and Tepper, C. (2003-04) Hybridization in Fire Coral. Iowa College Foundation/R.J. McElroy student/Faculty Research Program.
  - Lynch\*, E. and Tepper, C. (2003-04) AFLP Analysis of the *Oreaster* species complex of San

- Salvador, Bahamas. Beta Beta Beta Research Foundation.
- Tepper, C. (2004-2005) A Genetic Analysis of Fire Coral Using DNA Fingerprints. Cornell College Faculty Development Grant (Student/Faculty Research)
  - Fettkether\*, L. and Tepper, C. (2004-05) Isolation and Characterization of Plasticity Genes in Amphibians. Iowa College Foundation/R.J. McElroy student/Faculty Research Program.
  - Tepper, C. 2004 LI-COR Biosciences Genomics Match Fund Program-4300S Sequencer.
  - Tepper, C (2005-2006) DNA Sequence Analysis of Genes that Control Phenotypic Plasticity in the Gray Tree Frog, *Hyla versicolor*. Cornell College Faculty Development Grant (Student/Faculty Research)
  - Tepper, C. (2005-06) *Millepora complanata* and *Millepora alcicornis*: Speciation or Phenotypic Plasticity? Cornell College Faculty Development Grant.
  - Bowen\*, D and Tepper, C. (2005-06) *Millepora*: Speciation or Phenotypic Plasticity? Iowa College Foundation/R.J. McElroy student/Faculty Research Program.
  - Tepper, C. (2006) *Millepora complanata* and *Millepora alcicornis*: Speciation or Phenotypic Plasticity? Cornell College Faculty Development Grant (Student/Faculty Research)
  - Roth\*, M. and Tepper, C. (2006-07) Isolation of Genes Responsible for Phenotypic plasticity in Amphibians. Iowa College Foundation/R.J. McElroy student/Faculty Research Program.
  - Tepper, C. (2006) The Nature-Nurture Controversy: The Role Environment Plays in the Expression of Genotype and Phenotype. Cornell College Student/Faculty Dimensions Grant.
  - Tepper, C. (2007) Speciation in the Millepore Complex: Exactly What Constitutes a Species? Cornell College Faculty Development Grant (Student/Faculty Research).
  - Tepper, C. (2008) What does it mean to be a species? An examination of genetic, morphological and environmental factors in the speciation of the hydrozoan coral, *Millepora*. Cornell College Faculty Development Grant (Student/Faculty Research)
  - Reichel\*, A. and Tepper, C. (2008-09) What Constitutes a Species? Iowa College Foundation/R.J. McElroy Student/Faculty Research Program.
  - Brachova\*, P. and Tepper, C. (2009) Genetic Analysis of the *Millepora-Symbiodinium* Symbiosis. Gerace Research Centre Student Grants Program.
  - Tepper, C. (2009) Are Endosymbionts Better Taxonomists than Scientists? Cornell College Faculty Development Grant (Student/Faculty Research)
  - Leopold\*, M and Tepper, C. (2009-10) Are Endosymbionts Better Taxonomists than Scientists? Iowa College Foundation/R.J. McElroy student/Faculty Research Program.
  - Tepper, C. (2010) Searching for Symbiont Specificity in Fire Coral. Cornell College Faculty Development Grant (Student/Faculty Research).
  - Gaynor\*, S. and Tepper, C. (2011) Determining the Reliability of using ITS Regions to Understand the Phylogenetic Relationship of the Hydrozoan *Millepora*.. Gerace Research Centre Student Grants Program.
  - Tepper, C. (2011) Exploring Concerted Evolution in the Millepore Corals. Cornell College Faculty Development Grant (Student/Faculty Research).
  - Alleva\*, B. and Tepper, C. (2011-12) Concerted Evolution: Fact or Fiction. Iowa College Foundation/R.J. McElroy Student/Faculty Research Program.
  - Tepper, C. (2012) Determination of Queen Conch Parentage Using Microsatellites. Cornell College Faculty Development Grant (Student/Faculty Research).
  - Fischer\*, D. and Tepper, C. (2012-13) Parentage Assignment in Queen Conch. Iowa College Foundation/R.J. McElroy Student/Faculty Research Program.

- Tepper, C. (2013) Are Cryptic Millepore Species Prevalent in the Caribbean? Cornell College Faculty Development Grant (Student/Faculty Research).
- Tepper, C. and Brown\*, A. (2013-14). Are Cryptic Millepore Species Ubiquitous in the Caribbean? Iowa College Foundation/R.J. McElroy Student/Faculty Research Program.