

## **Eric Madrid**

Texas A&M University at Galveston  
Department of Marine Biology  
5007 Avenue U  
Galveston, TX 77551

Phone :: (281) 777-3009

E-Mail :: eric.n.madrid@gmail.com

### **Education**

---

- 2008**                    **Ph.D. Ecology and Evolutionary Biology**, Department of Ecology and Evolutionary Biology, University of Colorado at Boulder
- 2003**                    **B.S. Biology**, Department of Science and Technology, Texas A&M University at Corpus Christi

### **Research Experience**

---

- 2009-present**        **Postdoctoral Fellow**, Texas Institute of Oceanography, Texas A&M University - Galveston
- 2007-2008**            **Confocal Microscope Administrator**, David Stock Memorial Microscopy Facility, University of Colorado at Boulder
- 2004-2005, 2008**        **Graduate Research Assistant**, Department of Ecology and Evolutionary Biology, University of Colorado at Boulder
- 2000-2003**            **Alliance for Minority Participation Undergraduate Research Fellow**, Department of Science and Technology, Texas A&M University at Corpus Christi
- 2001**                    **Undergraduate Research Intern**, Department of Botany, University of California at Riverside
- 2000**                    **Undergraduate Research Intern**, Department of Materials Science, Cornell University

### **Teaching and Mentoring Experience**

---

- 2007 - 2008**        **Teaching Assistant, Clickers and Classroom Technology**, Department of Ecology and Evolutionary Biology, University of Colorado at Boulder
- 2007**                    **Mentor**, undergraduate research volunteer Mark Gorman, University of Colorado at Boulder
- 2006, 2007**        **Teaching Assistant, Plant Biodiversity and Evolution**, Department of Ecology and Evolutionary Biology, University of Colorado at Boulder

2006, 2007, 2008	<b>Guest Instructor of Microscopy</b> – NIH / HHMI lab techniques course for undergraduates, University of Colorado at Boulder
2006	<b>Mentor</b> , undergraduate research fellow Samuel Holloway, UROP / HHMI undergraduate research program
2005	<b>Mentor</b> , undergraduate research fellow David Rasmussen, MORPH undergraduate research program
2004	<b>Mentor</b> , undergraduate research fellow Adelita Mendoza, McNair post-baccalaureate achievement program
2004	<b>Tutor</b> , General Biology, University of Colorado at Boulder
2004, 2005, 2006	<b>Graduate Assistant</b> , NSF / NIH funded summer multicultural access to research training program (SMART), University of Colorado at Boulder
2003, 2004, 2006	<b>Teaching Assistant, General Biology</b> , Department of Ecology and Evolutionary Biology, University of Colorado at Boulder
2002-2003	<b>Teaching Assistant, General Biology</b> , Department of Science and Technology, Texas A&M University at Corpus Christi
2001-2002	<b>Administrative Assistant</b> , Office of Pre-Professional Counseling, Texas A&M University at Corpus Christi

### Grants and Awards

---

2008	<b>Moseley Award</b> , Best student presentation in development and structural sections, Botanical Society of America annual meeting
2007	<b>Departmental Teaching Award</b> , Department of Ecology and Evolutionary Biology, University of Colorado at Boulder
2006	<b>Departmental Research Grant</b> , \$1,000, University of Colorado at Boulder
2005	<b>Honorable Mention and Alternate Status</b> , Diversity Fellowship Doctoral Program, The Ford Foundation and National Academies of Science
2005	<b>Departmental Research Grant</b> , \$700, University of Colorado at Boulder
2004 - 2005	<b>Student Development Assistantship</b> , National Institutes of Health

2004	<b>Appreciate of Mentoring Service Honor</b> , McNair Achievement Program, University of Colorado at Boulder
2003-2004	<b>Chancellors Teaching Fellowship</b> , University of Colorado at Boulder
2003	<b>Departmental Research Grant</b> , \$300, University of Colorado at Boulder
2002	<b>Certificate of Mentoring Appreciation</b> , Multicultural FOCUS program, Texas A&M University at Corpus Christi
2002	<b>Departmental Research Grant</b> , \$650, Texas A&M University at Corpus Christi
2001	<b>Sigma Xi Undergraduate Research Grant</b> , \$500

### Memberships and Special Activities

---

2006 – present	<b>Founder</b> , Plant Development, Physiology, and Evolution Reading Group, University of Colorado at Boulder
2006	<b>Reviewe</b> for journal <i>Annales Botanici Fennici</i>
2005 – present	<b>Administrator</b> , Graduate student computing facility, secured over \$8,000 in funding through term, University of Colorado at Boulder
2004 – present	<b>Member</b> , Botanical Society of America
2004 - 2005	<b>Member</b> , Pre-Darwinian Evolutionists Reading Group, University of Colorado at Boulder
2004	<b>Departmental Representative</b> , United Government of Graduate Students, University of Colorado at Boulder
2003 – 2006	<b>Member</b> , Evolution of Morphology Reading Group, University of Colorado at Boulder

### Publications

---

2008	WE Friedman, EN Madrid, and JE Williams, 2008. Origin of the fittest and survival of the fittest: relating female gametophyte development to endosperm genetics. <i>International Journal of Plant Sciences</i> 169(1): 79-92.
2008	EN Madrid and WE Friedman, 2008. Female gametophyte development in <i>Aristolochia labiata</i> Wild. <i>Botanical Journal of the Linnean Society</i> 158 (1): 19-29.
	EN Madrid and WE Friedman. The developmental basis of an evolutionary diversification of female gametophyte structure in <i>Piper</i> and Piperaceae. <i>In press</i> .

**EN Madrid** and WE Friedman. Female gametophyte and early seed development in *Peperomia*. *In review*.

### **Presentations**

---

- 2008** **EN Madrid** and WE Friedman. Female gametophyte development in Piperales. (platform presentation) Botany 2008, Botanical Society of America Annual Conference.
- 2006** SE Holloway, **EN Madrid**, and WE Friedman. Female gametophyte development in *Piper peltatum*. (poster) UROP student symposium. University of Colorado at Boulder.
- 2004** AD Mendoza, **EN Madrid**, and DO Norris. Wood analysis for forensic botany. (platform presentation) McNair research symposium. University of Colorado at Boulder.
- 2002** **EN Madrid** and JD Moury. Histological studies of the growth and development of *Salicornia bigelovii* in six salinity regimes. (poster) Sigma Xi undergraduate research symposium, University of Texas Medical Branch at Galveston.
- 2002** **EN Madrid** and JD Moury. Histological studies of the growth and development of *Salicornia bigelovii* in six salinity regimes. (platform presentation) Undergraduate research symposium, Texas A&M University at Corpus Christi.
- 2002** **EN Madrid**, R Kawaguchi, and J Bailey-Serres. Polysome profiles of *Arabidopsis thaliana* under osmotic stress. (poster) Sigma Xi undergraduate research symposium, University of Texas Medical Branch at Galveston.
- 2001** **EN Madrid**, R Kawaguchi, and J Bailey-Serres. Polysome profiles of *Arabidopsis thaliana* under osmotic stress. (poster) Society for the Advancement of Chicanos and Native Americans in Science.
- 2000** **EN Madrid** and DT Grubb. Tension strength of keratin in chicken feathers. (platform presentation) Sigma Xi undergraduate research symposium, University of Texas Medical Branch at Galveston.

## References

---

**Dr. William E. Friedman**

Dept. of Ecology and  
Evolutionary Biology  
University of Colorado at  
Boulder  
(303) 492 – 3082  
ned@colorado.edu

**Dr. Stephanie Mayer**

Dept. of Ecology and  
Evolutionary Biology  
University of Colorado at  
Boulder  
(303) 735 – 1341  
stephanie.mayer@colorado.edu

**Dr. Pamela Diggle**

Dept. of Ecology and  
Evolutionary Biology  
University of Colorado at  
Boulder  
(303) 492 – 4860  
pamela.diggle@colorado.edu

**Dr. David Moury**

Department of Science and  
Technology  
Texas A&M University at  
Corpus Christi  
(361) 825-3259  
david.moury@tamucc.edu

Past mentees and students:

---

Sam Holloway

Dept. of Ecology and  
Evolutionary Biology  
University of Colorado at  
Boulder  
(303) 503 – 5677  
thesamholloway@gmail.com

Mark Gorman

Dept. of Ecology and  
Evolutionary Biology  
University of Colorado at  
Boulder  
(720) 971 - 0745  
mark.gorman@colorado.edu

