

JUAN M. GARCIA

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RESEARCH INTERESTS

Theoretical and field study of ecological communities.

EDUCATION

Texas A&M University-San Antonio San Antonio, TX August 2014-Present
Candidate for Bachelor of Science, Biology
GPA 3.62

Palo Alto College San Antonio, TX
Associate of Science, concentration in Biology, May 2014
GPA 3.87
Chi Alpha Epsilon, President 2012-2013

Brookhaven College Farmers Branch, TX
Emergency Medical Technician Certificate, December 2010
GPA 3.99
Graduated *Summa Cum Laude*

RELEVANT COURSEWORK

- Cellular Biology, Grade: A
- Cell Biology and Genetics, Grade: A
- Advanced Chemistry, Grade: B

AWARDS and HONORS

- City of San Antonio S.T.E.M. Achievement Award, 2013
- National Institute of Health Scholarship, 2009

RESEARCH EXPERIENCE

- Undergraduate Honors Research: Biology Program, Texas A&M University-San Antonio, January 2015-Present (Research Advisor: Dr. Brenda Rushing) Isolation and spectral analysis of photosynthetic reaction centers.

TEACHING EXPERIENCE

- **Instructor:** Outdoor Education Program, Palo Alto College, 2013-2014
Led weekend outings of groups of 12 students enrolled in Biology 101 to nature preserves with emphasis on animal identification and tracking, and wilderness skills.
- **Wilderness Guide:** Bear Creek Scout Reservation, Boy Scouts of America, Alamo Area Council, 2011-2012
Led eight Webelos on six-day canoe and hiking trips, with attention to South Texas natural history and birds.

LICENSES AND CERTIFICATIONS

- Texas Emergency Medical Technician License #4530293, 2011

UNIVERSITY SERVICES

Tour Guide: Palo Alto College, 2012-2013

- Led 16 botanical tours of Palo Alto College campus for organizers of First Generation Students orientation.

PROFESSIONAL SERVICES

Editorial Assistant: *Biology and Botany Journal, Student Edition*, 2014-Present

- Design and maintain *Journal's* digital presence

PROFESSIONAL EXPERIENCE

Emergency Medical Technician: Farmers Branch Fire and Rescue, Farmers Branch, TX, 2010-2012

- Provided emergency health procedures and transport for approximately 15 injured or sick individuals weekly
- Taught Red Cross CPR procedures to over 20 firefighters

PUBLICATIONS

Jones, J.T. and J.M. Garcia. 2014. Scrub Jay predation on starlings and swallows: attack and interspecific defense, *Condor* 90:503-505.

PRESENTATIONS

Doe, J.L. and J.M. Garcia. Species interaction in space, symposium paper presented at the 2015 meeting of the Ecological Society of America, Snowbird, UT; to appear in R. Ricklefs and D. Schuler, eds., *Historical and Geographical Determinants of Community Diversity*, University of Chicago Press, Chicago.

GRANTS

National Institutes of Health, "The Effects on the Flu on Compromised Immune Systems of the Elderly", \$12,000, 2015

TECHNICAL SKILLS

- DNA extraction
- Experienced in using Matlab, Mathematica, C, C++
- Differential staining

PROFESSIONAL AFFILIATIONS (OR MEMBERSHIPS)

American Ornithologists' Union, member, 2010-Present
American Public Gardens Association

SKILLS AND INTERESTS

Tracking migratory patterns of coastal water fowl
Growing native grasses and herbs

LANGUAGES

- Spanish: Fluent
- English: Proficient

REFERENCES

- **Ted S. Visor**, Professor of Biology, Texas A&M University-San Antonio, (210) 244-2345, TVisor@tamusa.tamus.edu
- **John D. Faculty**, Assistant Professor of Biology, Texas A&M University-San Antonio, (210) 244-2379, JFaculty@tamusa.tamus.edu
- **Barbara A. Smith**, Assistant Professor of Biology, Palo Alto College, (210) 244-4321, email@alamocolleges.edu