

# CURRICULUM VITAE

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## EDUCATION

- 2009 – Present      San Diego State University (SDSU), San Diego, CA  
Major: Marine Biology, GPA: 3.57/4.00, Major GPA: 3.37/4.00
- 2005 - 2009      Southwestern Community College (SWC), Chula Vista, CA  
GPA: 3.50/4.00
- Spring 2008      Cross Enrollment: San Diego State University (SDSU), CA  
Biology 246: Colloquium in Biomedical Science.
- Fall 2007      Cross Enrollment: San Diego State University (SDSU), CA  
Psychology 492: Responsible Conduct of Biomedical  
Research.
- 2000 – 2004      Eastlake High School, Chula Vista, CA  
High School Degree

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## RESEARCH

- Aug 2009 – Present      NOAA Southwest Fisheries Science Center, La Jolla, CA  
Research Advisor: Nicholas Kellar  
**Study:** “Developing a New Tool to Examine Physiological Stress  
in Cetaceans: Measuring Glucocorticoids in the Blubber of Arctic  
Bowhead Whales to Assess Population Health.”
- June 2010 – Present      NOAA Southwest Fisheries Science Center, La Jolla, CA  
Research Advisors: Barbara Taylor, Sarah Mesnick  
**Study:** “Why Is There a Desert Porpoise? Understanding the  
Restricted Range of the Critically Endangered Vaquita.”
- Summer 2009      UCSD Summer Training Academy for Research in the Sciences  
(STARS) Program; Southwest Fisheries Science Center (NOAA)  
Research Advisors: Sarah Mesnick, Phillip Morin  
**Study:** “Comparative Analysis of Killer Whale (*Orcinus orca*)  
mtDNA Diversity and Social Structure in the Northwest and  
Eastern Tropical Pacific Ocean.”

- Summer 2008      Research Experience for Undergraduates (REU) Program on River and Coastal Restoration, National Science Foundation (NSF)  
Research Advisor: Guerry O. Holm, Robert Twilley  
**Study:** “Post-Flood Sedimentation and Flood Tolerance of Plant Species in a Young, Emerging Delta.”
- Summer 2007      Bridges to the Future Program, National Institutes of Health (NIH), Southwestern College and San Diego State University

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## INVITED SEMINARS AND SYMPOSIA

- **Study:** “*Developing a New Tool to Examine Physiological Stress in Cetaceans: Measuring Glucocorticoids in the Blubber of Arctic Bowhead Whales to Assess Population Health*”
- 2010 – September      2010 SACNAS National Conference. *Poster Presentation.* Anaheim, CA.
- **Study:** “*Why Is There a Desert Porpoise? Understanding the Restricted Range of the Critically Endangered Vaquita*”
- 2010 – August      NOAA Summer Research Symposium. *Oral Presentation.* Silver Spring, MD.
- 2010 – August      Research Synopsis and Discussion for the Marine Mammal Commission. *Oral Presentation.* Bethesda, MD.
- **Study:** “*Comparative Analysis of Killer Whale (*Orcinus orca*) mtDNA Diversity and Social Structure in the Northwest and Eastern Tropical Pacific Ocean*”
- 2009 – October      2009 SACNAS National Conference. *Poster Presentation.* Dallas, TX.
- 2009 – September      Mathematics, Engineering, Science Achievement (MESA) Night of Southwestern College. *Oral and Poster Presentation.* Chula Vista, CA.
- 2009 – August      UCSD Summer Research Conference. *Oral Presentation.*
- **Study:** “*Post-Flood Sedimentation and Flood Tolerance of Plant Species in a Young, Emerging Delta*”
- 2008 – October      2008 SACNAS National Conference. *Poster Presentation.* Salt Lake City, UT.
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- 2008 – September Mathematics, Engineering, Science Achievement (MESA) Night of Southwestern College. *Oral and Poster Presentation*. Chula Vista, CA.
- 2008 – August 8<sup>th</sup> Annual University of Minnesota Undergraduate Summer Research Symposium. *Poster Presentation*. Minneapolis, MN.
- 2008 – August Center for Earth Surface Dynamics. *Oral and Poster Presentation*. Minneapolis, MN.
- 2008 – August 1<sup>st</sup> Annual NSF/MESA Summer Internship Program Symposium at San Diego State University. *Poster Presentation*. San Diego, CA

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## HONORS AND AWARDS

- 2009 - 2012 Minority Biomedical Research Support (MBRS)/Initiative for Maximizing Student Development Program (IMSD); National Institutes of Health (NIH), National Institute of General Medical Sciences (NIGMS)
- 2009 - 2012 Honors Program, San Diego State University
- 2009 - 2011 Ernest F. Hollings Undergraduate Scholarship Recipient; National Oceanic and Atmospheric Administration (NOAA)
- 2010 Hispanic Scholarship Fund (HSF): General College Scholarship
- 2010 - 2012 Scholars Without Borders Honor Society, San Diego State University
- 2010 – 2012 Golden Key International Honor Society, San Diego State University
- 2010 Mabel Myers Memorial Scholarship; San Diego State University College of Sciences
- 2010 Harry E. Hamber Memorial Scholarship; San Diego State University College of Sciences
- Spring 2010 SDSU College of Sciences Dean's List
- 2009 - 2012 Educational Opportunity Program, San Diego State University
- 2009 Hispanic Scholarship Fund (HSF): Coca-Cola Foundation's Advancing to Universities Scholarship

2009	SACNAS Outstanding Undergraduate Poster Presentation in the Marine and Ocean Sciences
Fall 2009	SDSU College of Sciences Dean's List
2009 - 2008	NSF/MESA Summer Internship Program, Southwestern College
2009	Association for Women in Science (AWIS) Scholarship Recipient
2009	Alliance/Merck <i>Ciencia</i> Scholarship Recipient (Merck Company Foundation, Merck Institute for Science Education)
2009	LIPP Foundation Biology Academic Excellence Scholarship, Southwestern College School of Math, Science, and Engineering
2009	Eastlake Fund Scholarship, Southwestern College Foundation
2009 - 2008	SACNAS National Conference Travel Scholarship Recipient
2008 – 2009	Mathematics Engineering Science Achievement Program (MESA), Southwestern College
2009	MESA Spirit Award, Southwestern College
Sp. 2008, 2007	SWC President's List: 13 units completed with 4.0/4.0 GPA.
Summer 2007	Bridges to the Future: Outstanding Student in Research Methods and Design Award
2007 – 2009	Extended Opportunity Program and Services (EOPS)

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#### **EXTRACURRICULAR ACTIVITIES/COMMUNITY INVOLVEMENT**

2010 – June	Student Panel Member for the CSU Monterey Bay RISE Program visit to San Diego State University
2009 – November	Undergraduate Darwin Symposium, Oral Presentation, San Diego State University; " <i>Faith &amp; Evolution: Why Can't We Be Friends?</i> "
2009 - August	Biology Major's Day, Oral Presentation, Southwestern College; " <i>Making Every Moment Count: Mentorship, Research, Networking</i> "
2009	Member of the San Diego State University SACNAS Chapter
Spring 2009	Biology Club Vice President, Southwestern College.

2009 – April	Competed and won first place in the San Diego MESA Alliance 16 <sup>th</sup> Annual Calculator Olympics
2008	Biology Club Secretary, Southwestern College.
2008 – December	Volunteer for a Tijuana River National Estuarine Research Reserve project led by San Diego State University graduate fellow Kellie Uyeda on invasive vegetation species distribution.
2008 – November	Volunteer at Marie Curie Elementary School's K-2 <sup>nd</sup> Grade Science Fair
2005 – 2008	Volunteer at the Tijuana Estuary involved in restoration and stewardship projects.
2005 – 2010	Counselor and musician at community church.

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### **TEACHING EXPERIENCE**

2008 – 2009	Teaching Assistant – <i>Zoology</i> to students majoring in Biology and <i>General Biology</i> for non-majors at Southwestern College directed by Nira Clark. Collaborated on laboratory curriculum and exam development; taught lecture curriculum during workshops, assisted in grading assignments and laboratory exams.
2009 – January	Guest Instructor - Delivered an interactive lesson on the cell to an audience of fifth grade students at Thurgood Marshall Elementary. A comprehensive workshop was created utilizing computer media, hand-held viewers, and constructed a macro model that involved student participation and common materials to signify subcellular structures.

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### **PROFESSIONAL MEMBERSHIPS**

2008 - Present	Society for the Advancement of Chicanos, Latinos, and Native Americans in Science (SACNAS)
2008 - Present	Association for Women in Science (AWIS)
2009 - Present	Society for Marine Mammalogy (SMM)
2009 - Present	Ecological Society of America (ESA)

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## PROFESSIONAL DEVELOPMENT

- 2010 – February AAAS 2010 Meeting; San Diego, CA.  
**Workshop:** Land-Ocean Linkages and Dynamics of High-Productivity Ecosystems in the Sea of Cortes.  
**Speakers:** Exequiel Ezcurra, Enriqueta Velarde, Octavio Aburto
- 2010 – February Scripps Institute of Oceanography (CMBC) Graduate Seminar: Marine Conservation Biology and Policy Course  
**Workshop:** Vaquita Biology, Ecology and Conservation.  
**Speakers:** Barbara Taylor, Catalina Lopez, Armando Jaramillo-Legorreta, Sarah Mesnick.
- 2009 – October SACNAS 2009 National Conference; Dallas, TX.  
**Workshops:** “Sustainable Seas: An Interdisciplinary Approach to the Conservation and Management of Ocean Resources; Serving our Communities Through Marine Science”
- Summer 2009 Presented by Michael Flynn; University of California San Diego.  
**Workshop:** Graduate Records Exam (GRE) Workshops: Verbal, Quantitative, Analytical Writing, Reading Comprehension, and Data Analysis
- 2008 – October SACNAS 2008 National Conference; Salt Lake City, UT.  
**Workshops:** “Confronting Global Climate Change in the Marine Environment: Current and Future Challenges; Preparing for Success in Advanced Studies”

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## REFERENCES

### **Sarah L. Mesnick, PhD**

Southwest Fisheries Science Center, NOAA Fisheries Service  
3333 N. Torrey Pines Court, La Jolla, CA 92037

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[sarah.mesnick@noaa.gov](mailto:sarah.mesnick@noaa.gov)

### **Nicholas Kellar, PhD**

Southwest Fisheries Science Center, NOAA Fisheries Service

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### **Guerry O. Holm, PhD**

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