

ANDREW P. NOSAL, PH.D. (HE/HIM/ÉL)**Point Loma Nazarene University | 3900 Lomaland Drive, San Diego, CA | anosal@pointloma.edu****EDUCATION**

- 2013 **Doctor of Philosophy (Ph.D.) in Marine Biology**
Scripps Institution of Oceanography, UC – San Diego, La Jolla, CA, USA
- 2007 **Bachelor of Science (B.S.) in Biology with High Distinction (Honors)**
Concentration in Environmental and Biological Conservation
University of Virginia, Charlottesville, VA, USA

TEACHING POSITIONS AND COURSES TAUGHT

- 2022 – **Associate Professor of Biology (full-time; tenure-track)**
Pres. *Department of Biology, Point Loma Nazarene University, San Diego, CA, USA*
 BIO 1005 Ecology and Conservation Lecture and Lab (F22, F23, F24, F25)
 BIO 2011 Ecological and Evolutionary Systems Lecture and Lab (S23, S24, S25)
 BIO 2012 Organismal Biology Lecture and Lab (S23, S24, S25)
 BIO 3033 Marine Biology Lecture and Lab (F24)
 BIO 3040 Field Biology: Neotropical Ecology (S25; study abroad class in Costa Rica)
 BIO 4083 Introduction to Geographic Information Systems (F23, F25)
- 2017 – **Adjunct Assistant Professor (full-time; non-tenure-track)**
2022 *Department of Environmental & Ocean Sciences, University of San Diego, San Diego, CA, USA*
 INST 352 Religion and Revolutionary Science (Su20, Su22 as study abroad class in Rome)
 INST 458 Science Communication: Psychology and Environmental Literacy (S20)
 EOSC 495 Senior Seminar (F20, S21, F21, S22)
 EOSC 438 Animal Behavioral Ecology Lecture and Lab (S18, S19, S21, S22)
 EOSC 300 Environmental Issues Lecture (S18, F18, S19, F19, S20, F20, F21)
 EOSC 220 Introduction to Atmospheric and Ocean Sciences Lab (F17, S18, F18, S19, F19)
 EOSC 123 Organisms and Ecosystems Lecture and Lab (F17, F18, F19, S20, F20, F21)
 EOSC 121 Life in the Ocean Lecture and Lab (F17)
- 2016 – **Adjunct Assistant Professor (full-time; non-tenure-track)**
2017 *Department of Natural Sciences, University of Saint Katherine, San Marcos, CA, USA*
 BIO 100 Natural World: Biology Lecture (F16)
 CHE 100 Natural World: Chemistry Lecture (S17)
 BIO 105 Introductory Biology I Lecture and Lab (F16)
 BIO 110 Introductory Biology II Lecture and Lab (S17)
 BIO 305 Human Anatomy & Physiology I Lecture (F16)
 BIO 310 Human Anatomy & Physiology II Lecture (S17)
- 2011 – **Adjunct Professor (part-time; non-tenure-track)**
2016 *Department of Biology, University of San Diego, San Diego, CA, USA*
 BIOL 225 Introduction to Cellular Processes Lecture (S13)
 BIOL 225L Introduction to Cellular Processes Lab (F11, S12, F12, F14, S15, F15, S16)
 BIOL 221L Introduction to Organismal Diversity Lab (S11, F13, S14)
Department of Biology, MiraCosta College, Oceanside, CA, USA
 BIO 101 General Biology Lecture (S11)

RESEARCH POSITIONS**2023 – Visiting Associate Researcher**

Pres. Scripps Institution of Oceanography, UC – San Diego, La Jolla, CA, USA

2016 – Visiting Assistant Researcher

2023 Scripps Institution of Oceanography, UC – San Diego, La Jolla, CA, USA

2013 – DeLaCour Postdoctoral Fellow in Ecology and Conservation

2016 Birch Aquarium and Scripps Institution of Oceanography, UC – San Diego, La Jolla, CA, USA

2008 **NSF IGERT Visiting Scientist** (*Project: Survey of Artisanal Shark Fisheries in Northern Chile*)
Oceana – South America, Santiago, Chile

RESEARCH FELLOWSHIPS

2013	DeLaCour Postdoctoral Fellowship in Ecology and Conservation	\$150,000
2007	NSF Graduate Research Fellowship Program (GRFP)	\$121,500
2007	NSF Integrative Graduate Education and Research Traineeship (IGERT)	\$97,000

PEER-REVIEWED PUBLICATIONS

(Blue: ‘Rigorous Peer Reviewed Scholarship’ published as a PLNU faculty member, after August 2022.)

- 2025 Kelly ON, Craig MT, Feldheim KA, McMillan MN, Devloo-Delva F, Dawson EJ*, Chabot CL, Hyde J, **Nosal AP**. “Frequency of multiple paternity in soupfin sharks (*Galeorhinus galeus*) from California and Australia.” *Ichthyology & Herpetology* (Accepted; In Press). (*[PLNU student](#))
- 2025 **Nosal AP**. “Theological Implications of the Existence of ‘Offensive’ Animals and the Ascetical Opportunities they Provide.” *Zygon Journal of Religion and Science* 60(1): 228 – 247.
(doi: <https://doi.org/10.16995/zygon.11113>)
- 2024 Skelton ZR, Prinzing TS, **Nosal AP**, Vagner Z, Demman P, Zerofski P, Wegner NC.
“Observations of skin color aberrations in four shark species off the coast of southern California, USA.” *Environmental Biology of Fishes* (doi: <https://doi.org/10.1007/s10641-024-01532-3>)
- 2023 Blincow KM, Elstner JT, Ben-Aderet N, Bellquist LF, **Nosal AP**, Semmens BX. “Spatial ecology of the Giant Sea Bass, *Stereolepis gigas*, in a southern California kelp forest as determined by acoustic telemetry.” *PeerJ* 11:e16551 (doi: [10.7717/peerj.16551](https://doi.org/10.7717/peerj.16551))
- 2023 Gong AY, **Nosal AP**, Cartamil DC, Anderson JM, Bellquist LF, Ben-Aderet N, Blincow KM, Burns KS, Freedman RM, Logan RK, Lowe CG, Semmens BX, Stirling, White CF, Hastings PA. “Migration, aggregation, and philopatry of two nearshore elasmobranch species in the Southern California Bight.” *Marine Ecology Progress Series* 724: 111 – 125.
- 2022 Goodman AZ, Papudeshi B, Doane MP, Mora M, Kerr E, Torres M, Nero Moffatt J, Lima L, **Nosal AP**, Dinsdale EA. “Epidermal microbiomes of leopard sharks (*Triakis semifasciata*) are consistent across captive and wild environments.” *Microorganisms* 10(10): 2081 (doi: [10.3390/microorganisms10102081](https://doi.org/10.3390/microorganisms10102081)).
- 2022 Doane MP, Johnson CJ, Johri S, Kerr EN, Morris MM, Desantiago R, Turnlund AC, Goodman A, Mora M, Lima LF, **Nosal AP**, Dinsdale EA. “The epidermal microbiome within an aggregation of leopard sharks (*Triakis semifasciata*) has taxonomic flexibility with gene functional stability across three time-points.” *Microbial Ecology* (doi: [10.1007/s00248-022-01969-y](https://doi.org/10.1007/s00248-022-01969-y)).
- 2021 Wegner NC, Portner EJ, Nguyen A, Bellquist L, **Nosal AP**, Pribyl AL, Stierhoff KL, Fischer P, Franke K, Vetter RD, Hastings PA, Semmens BX, Hyde JR. “Post-release survival and prolonged sub-lethal effects of capture and barotrauma on deep-dwelling rockfishes (genus *Sebastes*):

- Implications for fish management and conservation.” *ICES Journal of Marine Science*: 78(9): 3230 – 3244.
- 2021 **Nosal AP**, Cartamil DP, Ammann AJ, Bellquist LF, Ben-Aderet NJ, Blincow KM, Burns ES, Chapman ED, Freedman RM, Klimley AP, Logan RK, Lowe CG, Semmens BX, White CF, Hastings PA. “Triennial migration and philopatry in the critically endangered soupfin shark (*Galeorhinus galeus*).” *Journal of Applied Ecology* (doi: 10.1111/1365-2664.13848).
*Featured as *Editor’s Choice* by the *Journal of Applied Ecology* with Open Access
- 2020 Doane MP, Morris MM, Papudeshi B, Allen L, Pande D, Haggerty JM, Johri S, Turnlund AB, Peterson M, Kacev D, **Nosal AP**, et al. “The skin microbiome of elasmobranchs follows phylosymbiosis, but in teleost fishes, the microbiomes converge.” *Microbiome* 8: 93.
- 2019 **Nosal AP**, Cartamil DC, Lam C, Wegner NC, Hastings PA. “Movement ecology of young-of-the-year blue sharks (*Prionace glauca*) and shortfin makos (*Isurus oxyrinchus*) within a putative binational nursery area.” *Marine Ecology Progress Series* 623: 99 – 115.
- 2017 Ketchum JT, Slager CJ, Buckhorn ML, **Nosal AP**, Klimley AP. “Residency and long-distance movements of sevengill sharks (*Notorhynchus cepedianus*) tagged in San Francisco Bay. *Animal Biotelemetry* 5(26): 1 – 9. doi:10.1186/s40317-017-0141-z
- 2017 Ho C, Joly K, **Nosal AP**, Lowe CG, Clark CM. “Predicting coordinated group movements of sharks with limited observations using AUVs.” *Proceedings of the Association for Computing Machinery Symposium on Applied Computing*: 289 – 296. doi:10.1145/3019612.3019711
- 2016 **Nosal AP**, Chao Y, Farrara JD, Chai F, Hastings PA. “Olfaction contributes to pelagic navigation in a coastal shark.” *PLoS ONE* 11(1): e0143758. doi:10.1371/journal.pone.0143758
- 2016 **Nosal AP**, Keenan EA, Hastings PA, Gneezy A. “The effect of background music in shark documentaries on viewers’ perceptions of sharks.” *PLoS ONE* 11(8): e0159279. doi:10.1371/journal.pone.0159279
- 2015 Barker AM, **Nosal AP**, Lewallen EA, Burton RS. “Genetic structure of leopard shark (*Triakis semifasciata*) populations along the Pacific coast of North America.” *Journal of Experimental Marine Biology and Ecology* 472: 151 – 157.
- 2014 **Nosal AP**, Caillat A, Kisfaludy EK, Royer MA, Wegner NC. “Aggregation behavior and seasonal philopatry in male and female leopard sharks (*Triakis semifasciata*) along the open coast of southern California, USA.” *Marine Ecology Progress Series* 499: 157 – 175.
- 2013 **Nosal AP**, Lewallen EA, Burton RS. “Multiple paternity in leopard shark (*Triakis semifasciata*) litters sampled from a predominantly female aggregation in La Jolla, California, USA.” *Journal of Experimental Marine Biology and Ecology* 446: 110 – 114.
- 2013 **Nosal AP**, Cartamil DC, Long JW, Lührmann M, Wegner NC, Graham JB. “Demography and movement patterns of leopard sharks (*Triakis semifasciata*) aggregating near the head of a submarine canyon along the open coast of southern California, USA.” *Environmental Biology of Fishes* 96: 865 – 878.

RESEARCH GRANTS

(Blue: Research grants awarded as a PLNU faculty member, after August 2022.)

2025	PLNU Wesleyan Center Scholarship	\$2,000
2025	PLNU Wesleyan Center Fellowship	3 units of course release
2024	Fellowship of St. Alban and St. Sergius	£2,000
2024	PLNU RASP Grant	\$1,950
2023	PLNU RASP Grant	\$2,000
2021	Moore Family Foundation	\$100,000

2018	University of San Diego Faculty Research Grant	\$2,500
2018	Moore Family Foundation	\$300,000
2016	Link Family Foundation	\$22,800
2014	Moore Family Foundation	\$300,000
2014	Save Our Seas Foundation	\$4,500
2010	SeaWorld and Busch Gardens Conservation Fund	\$10,000
2009	Project AWARE Foundation	\$9,467
2009	Scripps Environmental Advocates	\$14,800
2009	PADI Foundation	\$3,000
2007 – Present:	Other Private Research Grants	\$111,150

ORAL PRESENTATIONS AT CONFERENCES

(Blue: ‘Unpublished Scholarly Outcomes’ as a PLNU faculty member, after August 2022.)

- 2025 Sanchez Hernandez DV, Gong AY, Martinez H, Daud T, **Nosal AP**, Flammang BE. “Schooling and Shoaling Patterns of Swimming sharks.” Poster presentation. *Annual Meeting of the Society for Integrative and Comparative Biology, Atlanta, GA*
- 2024 **Nosal AP**, Hart A, Theokritoff E. “A New Icon of Creation.” *Festival of Orthodox Arts, Bath, England, UK*
- 2024 **Nosal AP**, Bjarin K*, Gailey J*, Gong A, Saple C*, Walter T, Couzin I. “Applications of automated visual tracking for the kinematic analysis of aggregation behavior in leopard sharks (*Triakis semifasciata*).” *39th Meeting of the American Elasmobranch Society, Joint Meeting of Ichthyologists and Herpetologists, Pittsburgh, PA* (*PLNU students)
- 2024 **Nosal AP**. “Theological implications of the existence of ‘offensive’ animals and the ascetical opportunities they provide.” *Annual Meeting of the American Scientific Affiliation, Washington, DC*
- 2024 Gong AY, **Nosal AP**, Cartamil DC. “Migration, aggregation, and philopatry of two nearshore elasmobranch species in Southern California.” *Annual Meeting of the Society for Integrative and Comparative Biology, Seattle, WA*
- 2024 Devloo-Delva F, Naylor GJP, Hernandez SI, McMillan MN, **Nosal AP**, Ollerhead KM, Ritchie PA, Semmens JM, White WT, Deagle BE. “Epigenetic sequencing to explore environmentally-driven plastic and adaptative responses across School Shark populations.” *Annual Meeting of the Oceania Chondrichthyan Society, Geelong, VIC, Australia*
- 2023 **Nosal AP**, Cartamil DP, Bellquist LF, Blincow KM, Ben-Aderet NJ, Klinard NV, Mull CG, Semmens BX, Hastings PA. “Persistent shallow, low-amplitude diel vertical migration in tope sharks (*Galeorhinus galeus*).” *38th Meeting of the American Elasmobranch Society, Joint Meeting of Ichthyologists and Herpetologists, Norfolk, VA*
- 2019 **Nosal AP**, Cartamil DP, Lam CH, Bellquist LF, Blincow KM, Burns ES, Ben-Aderet NJ, White CF, Logan RK, Freedman RM, Lowe CG, Semmens BX, Hastings PA. “Triennial philopatry in the Eastern North Pacific soupfin shark (*Galeorhinus galeus*).” *35th Meeting of the American Elasmobranch Society, Joint Meeting of Ichthyologists and Herpetologists, Snowbird, UT*
- 2018 **Nosal AP**, Cartamil DP, Lam CH, Bellquist LF, Ben-Aderet NJ, White CF, Logan RK, Freedman RM, Lowe CG, Semmens BX, Hastings PA. “Movement Ecology of the Soupfin Shark (*Galeorhinus galeus*) in the Eastern North Pacific II.” *3rd Sharks International Conference, João Pessoa, Paraíba, Brazil*
- 2017 **Nosal AP**, Cartamil DP, Lam CH, Bellquist LF, Ben-Aderet NJ, White CF, Logan RK, Freedman RM, Lowe CG, Semmens BX, Hastings PA. “Movement Ecology of the Soupfin Shark

(*Galeorhinus galeus*) in the Eastern North Pacific I.” 4th International Conference on Fish Telemetry, Cairns, Queensland, Australia

- 2016 **Nosal AP**, Cartamil DC, Lam C, Wegner NC, Hastings PA. “Movement ecology of juvenile blue (*Prionace glauca*) and shortfin mako sharks (*Isurus oxyrinchus*) off southern California and Baja California, Mexico.” 32nd Annual Meeting of the American Elasmobranch Society, Joint Meeting of Ichthyologists and Herpetologists, New Orleans, LA
- 2015 **Nosal AP**, Yanagitsuru Y, Hyde JR, Hastings PA, Wegner NC. “Hypoxia tolerance in the bocaccio rockfish (*Sebastes paucispinis*).” 94th Annual Meeting of the American Society of Ichthyologists and Herpetologists, Joint Meeting of Ichthyologists and Herpetologists, Reno, NV
- 2014 **Nosal AP**, Hastings PA. “Shoreward homing in experimentally displaced leopard sharks (*Triakis semifasciata*).” 30th Annual Meeting of the American Elasmobranch Society, Joint Meeting of Ichthyologists and Herpetologists, Chattanooga, TN
- 2014 **Nosal AP**, Hastings PA. “Shoreward homing in experimentally displaced leopard sharks (*Triakis semifasciata*).” 2nd Sharks International Conference, Durban, KZN, South Africa
- 2013 **Nosal AP**, Keenan EA, Gneezy A. “Happy and playful sharks? The effect of background music in nature documentaries on viewers’ perception of and willingness to protect sharks.” 29th Annual Meeting of the American Elasmobranch Society, Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, NM
- 2012 **Nosal AP**, Lewallen EA, Burton RS. “Low incidence of multiple paternity in leopard sharks (*Triakis semifasciata*) sampled from a predominantly female aggregation.” 28th Annual Meeting of the American Elasmobranch Society, World Congress of Herpetology, Vancouver, BC, Canada
- 2011 **Nosal AP**, Caillat A, Kisfaludy EK, Royer MA, Wegner NC. “Aggregation behavior of the leopard shark (*Triakis semifasciata*) at the head of La Jolla Submarine Canyon, La Jolla, California, USA.” 27th Annual Meeting of the American Elasmobranch Society, Joint Meeting of Ichthyologists and Herpetologists, Minneapolis, MN
(Award for Best Student Oral Presentation)
- 2011 **Nosal AP**, Caillat A, Kisfaludy EK, Royer MA, Wegner NC. “Aggregation behavior of the leopard shark (*Triakis semifasciata*) at the head of La Jolla Submarine Canyon, La Jolla, California, USA.” 1st International Conference on Fish Telemetry, Sapporo, Hokkaido, Japan
(Award for Best Student Oral Presentation)

SCIENCE COMMUNICATION AWARDS

- 2015 **iBiology Young Scientist Seminar (YSS) Competition**
Sponsored by the Lasker Foundation and the Alan Alda Center for Communicating Science
- 2011 **Best Student Oral Presentation Award**
29th Annual Meeting of the American Elasmobranch Society, Minneapolis, MN, USA
- 2011 **Best Student Oral Presentation Award**
1st International Conference on Fish Telemetry, Sapporo, Hokkaido, Japan

TEACHING, MENTORING, AND SCIENCE COMMUNICATION DEVELOPMENT

- 2025 **Webinar Series Participant: CIC AI Ready Program March 2025 Series**
 - Part 1: “Overview of AI in the Curriculum and AI”
 - Part 2: “Tools for AI in the Curriculum, AI Case Studies, and Current Practices”
 - Part 4: “AI in the Curriculum and AI Practical Next Steps”
Council of Independent Colleges

- 2025 **Workshop Facilitator:** “Know Better, Do Better: A workshop for those striving toward allyship”, *American Elasmobranch Society, St. Paul, MN, USA*
- 2025 **Workshop Participant:** “Bridging Divides: Understanding, Supporting, and Connecting Across Differences”, *Center for Teaching and Learning, Point Loma Nazarene University, San Diego, USA*
- 2024 **Workshop Facilitator:** “Know Better, Do Better: A workshop for those striving toward allyship”, *American Elasmobranch Society, Pittsburgh, PA, USA*
- 2021 **Pod Participant:** NSF Unlearning Racism in Geoscience (URGE), *University of San Diego*
- 2021 **Workshop Participant:** “Advising Students of Color”, *Center for Educational Excellence, University of San Diego, San Diego, USA*
- 2018 **Workshop Participant:** “Engaging Pedagogies: Strategies to Encourage Mastery”, *Center for Educational Excellence, University of San Diego, San Diego, USA*
- 2017 **Workshop Chair:** “Personal Branding: Defining Your Purpose and Promise, Advancing Your Career”, *SACNAS National Diversity in STEM Conference, Salt Lake City, UT, USA*
- 2016 **Workshop Panelist:** “Science Communication: Becoming a Public Voice, Advancing Your Career”, *SACNAS National Diversity in STEM Conference, Long Beach, CA, USA*
- 2016 **Workshop Coach:** “Improvisation for Scientists”, *University of California – San Francisco, San Francisco, CA, USA*
- 2015 **Workshop Participant:** “Inclusive Education Workshop Series: Enhancing the Learning Environment for Students with Learning Disabilities using Universal Design for Learning (UDL)”, *Center for Inclusion and Diversity, University of San Diego, San Diego, CA USA*
- 2015 **Workshop Participant:** “Improvisation for Scientists”, *Alan Alda Center for Communicating Science, Stony Brook University, Stony Brook, NY, USA*
- 2013 **Workshop Participant:** 20th Institute on Teaching and Mentoring, *Compact for Faculty Diversity, Arlington, VA, USA*
- 2011 **Workshop Participant:** 18th Institute on Teaching and Mentoring, *Compact for Faculty Diversity, Atlanta, GA, USA*
- 2009 **Workshop Participant:** 16th Institute on Teaching and Mentoring, *Compact for Faculty Diversity, Arlington, VA, USA*
- 2008 **NSF Communicating Ocean Sciences to Informal Audiences (COSIA) Course**
Scripps Institution of Oceanography, La Jolla, CA, USA

INVITED ACADEMIC SEMINARS AND COURSE GUEST LECTURES

- 2024 **“Loving Hard-to-Love Animals”**
THE 3005: Christian Faith and the Natural Sciences (Undergraduate Course)
Point Loma Nazarene University, San Diego, CA, USA
- 2024 **“Improvisation for Scientists and Communicating Science to the Public”**
BIO 6011: Learning in Science (Graduate Course)
Point Loma Nazarene University, San Diego, CA, USA
- 2023 **“Loving Hard-to-Love Animals”**
THE 3005: Christian Faith and the Natural Sciences (Undergraduate Course)
Point Loma Nazarene University, San Diego, CA, USA

- 2023 **“Improvisation for Scientists and Communicating Science to the Public”**
SIO 295: Introduction to Marine Biodiversity, Conservation, Global Change (Graduate Course)
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2022 **“Loving Hard-to-Love Animals”**
THE 3005: Christian Faith and the Natural Sciences (Undergraduate Course)
Point Loma Nazarene University, San Diego, CA, USA
- 2022 **“Movement Ecology of Sharks off the Coast of Southern California”**
Perspectives on Science Speaker Series
Point Loma Nazarene University, San Diego, CA, USA
- 2022 **“Improvisation for Scientists and Communicating Science to the Public”**
SIO 295: Introduction to Marine Biodiversity, Conservation, Global Change (Graduate Course)
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2021 **“Improvisation for Scientists and Communicating Science to the Public”**
SIO 295: Introduction to Marine Biodiversity, Conservation, Global Change (Graduate Course)
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2019 **“Improvisation for Scientists and Communicating Science to the Public”**
SIO 295: Introduction to Marine Biodiversity, Conservation, Global Change (Graduate Course)
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2018 **“Improvisation for Scientists and Communicating Science to the Public”**
SIO 295: Introduction to Marine Biodiversity, Conservation, Global Change (Graduate Course)
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2017 **“Public Perception, Science Communication, and Shark Conservation”**
SIO 295: Introduction to Marine Biodiversity, Conservation, Global Change (Graduate Course)
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2016 **“Local Legends: Movement Ecology of Leopard Sharks off La Jolla, California”**
Aquarium of the Pacific Guest Speaker Series, Long Beach, CA, USA (<http://bit.ly/2nwOVu6>)
- 2016 **“Movement Ecology of the Leopard Shark off La Jolla, CA”**
SIO 188: Biology of Fishes (Undergraduate Course)
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2015 **“Elasmobranch Coastal Policy and Conservation.”**
SIO 295: Introduction to Marine Biodiversity and Conservation (Graduate Course)
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2015 **“Not Just on Vacation: Why Leopard Sharks Hang Out In La Jolla.”**
iBiology Young Scientist Seminar (YSS) Series (<https://bit.ly/2JKOKq8>)
- 2015 **“Behavioral Ecology of the Leopard Shark (*Triakis semifasciata*) in La Jolla, California.”**
Evening Lecture Series, Saint Katherine College, San Marcos, CA, USA
- 2014 **“Protecting Sharks: Documentary Music and Viewers’ Perceptions”**
Center for Marine Biodiversity and Conservation (CMBC) Brown Bag Lecture Series
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2014 **“Behavioral Ecology of the Leopard Shark (*Triakis semifasciata*) in La Jolla, California.”**
Ecology Seminar Series, Scripps Institution of Oceanography, La Jolla, CA, USA
- 2014 **“Sharks and Rays: Biodiversity and Conservation.”**
SIO 295: Introduction to Marine Biodiversity and Conservation (Graduate Course)
Scripps Institution of Oceanography, La Jolla, CA, USA

- 2014 **“Behavioral Ecology of the Leopard Shark (*Triakis semifasciata*) in La Jolla, California.”**
Coastal and Marine Institute Seminar Series, San Diego State University, San Diego, CA, USA
- 2013 **“Shark Conservation: Safeguarding the Future of Our Oceans.”**
Jeffrey B. Graham Perspectives on Ocean Sciences Lecture Series, Birch Aquarium at Scripps, La Jolla, CA, USA (<http://bit.ly/1DWxdhy>)
- 2013 **“Demography, movement patterns, and mating system of leopard sharks (*Triakis semifasciata*) aggregating along the open coast of southern California, USA.”**
Biology Department Seminar Series, University of San Diego, San Diego, CA, USA
- 2013 **“Shark Conservation: Safeguarding the Future of Our Oceans.”**
San Diego Zoo Institute for Conservation Research Seminar Series, Escondido, CA, USA
- 2012 **“Local Legends: The Leopard Sharks of La Jolla Shores.”**
Jeffrey B. Graham Perspectives on Ocean Sciences Lecture Series, Birch Aquarium at Scripps, La Jolla, CA, USA (<http://bit.ly/1Df1ygt>)
- 2012 **“Sharks at the End of the Line.”**
Tijuana River National Estuarine Research Reserve, Imperial Beach, CA, USA

PROFESSIONAL SERVICE

- 2024 – **Member of Faculty Committee on Diversity**
2025 *Point Loma Nazarene University*
- 2023 – **Elected Member of Board of Directors (5-year term)**
Pres. *American Elasmobranch Society*
- 2022 – **Elected Grant Committee Member (3-year term)**
2024 *American Elasmobranch Society*
- 2021 – **Elected Equity and Diversity Committee Member (3-year term)**
2023 *American Elasmobranch Society*
- 2012 – **Chair of Judging Committee for Gruber Award for Best Student Oral Presentation**
Pres. *American Elasmobranch Society*
- 2009 – **Editorial Peer Reviewing**
Pres. *Conservation Biology* *Bulletin of the Southern California Academy of Sciences*
PLOS ONE *BioMed Central Research Notes*
Aquatic Biology *Marine and Freshwater Research*
Copeia *Marine Ecology Progress Series*
California Fish and Game
International Union for the Conservation of Nature (IUCN)
Journal of Experimental Marine Biology and Ecology
Frontiers in Marine Science
- 2014 – **Center for Marine Biodiversity and Conservation (CMBC) Steering Committee Member**
2016 *Scripps Institution of Oceanography, La Jolla, CA, USA*
- 2010 – **Conference and Online Store Manager**
2013 *American Elasmobranch Society*

COMMUNITY SERVICE AND ENGAGEMENT

- 2017 – **Assistant Regional Director, National Ocean Science Bowl (NOSB)**
2022 *Annual high school competition hosted by the University of San Diego*

2013 – Volunteer SCUBA Diver at Birch Aquarium

2021 Live underwater cleaning, feeding, and education performances

2008 – Media Consulting (>150 print and broadcast news interviews):

Pres.	Associated Press	CNN, FOX, CW, NBC, CBS, ABC, KUSI, CBSN
	New York Times	National Public Radio (NPR)
	Los Angeles Times	Al Jazeera International
	Washington Post	Discovery News
	San Diego Union-Tribune	New York One News (NY1)
	North County Times	Central Coast Public Radio (KPBX)
	Christian Science Monitor	The Hill
	La Jolla Light	Women's Health Magazine
	Newsweek	

On-Camera Documentary Contributions:

[“Close Encounters of the Wild Kind” Documentary Series – National Geographic \(2025\)](#)

[“Sharks Gone Viral” Documentary – National Geographic \(2024\)](#)

[“History’s Greatest Mysteries” Documentary Series – History Channel \(2024\)](#)

[“Sharks Unknown” Mini Documentary – PBS \(2023\)](#)

[“Sky Sharks” Documentary – National Geographic \(2022\)](#)

[“When Sharks Attack” Documentary Series – National Geographic \(2021\)](#)

[“Solved: Nature’s Greatest Mysteries” Documentary Series – Animal Planet \(2019\)](#)

[“Lifeguard!” Documentary Series – The Weather Channel \(2013\)](#)

[“Shocking Sharks” Documentary – National Geographic \(2013\)](#)

(Blue: ‘Unpublished Scholarly Outcomes’ as a PLNU faculty member, after August 2022; above were documentaries and episodes from documentary series where Nosal was cast as an on-camera expert.)

2011 – Other Consulting

Pres.	San Diego Lifeguard Services	Long Beach Aquarium of the Pacific
	Banning LLP	San Diego County Medical Examiner

2008 – Invited Speaker

Pres. Buena Vista Audubon Society (2025)

Science and Religion Club at Point Loma Nazarene University (2023, 2024)

Upward Bound at San Diego State University (2023)

California Academy of Sciences Breakfast Club Livestream Speaker Series (2021)

Bolsa Chica Conservancy ExperTalk Series (2021)

Torrey Pines Conservancy (2021)

USD Summer Undergraduate Research Experience (SURE) Program (2021)

Solana Santa Fe Elementary (2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025)

Boy Scout Troop 88, Bridgewater, NJ (2021)

InterpreTEEN High School Internship Program, Birch Aquarium (2013, 2014, 2015, 2016, 2017)

Mount Miguel High School (2010, 2017)

Rancho Santa Fe School (2010, 2011, 2012, 2013, 2016)

Sierra Club San Diego (2016)

Aldo Leopold Charter School (2009, 2010, 2011, 2012, 2013, 2014, 2015)

Exploring Ocean STEM Careers at the Birch Aquarium (2015)

Torrey Pines Docent Society (2015, 2022)

Cabrillo National Monument (2014)

Better Education for Women in Science and Engineering (BE WiSE; 2013)

St. Joseph Academy (2013)

El Cajon Valley High School (2012)

Torrey Pines High School (2010, 2012)

Temecula Valley High School (2009)
 La Jolla Elementary School (2009)
 San Diego County Libraries (2009)
 California State Summer School for Mathematics and Science (COSMOS; 2008)
 Southwest Marine Educators Association (SWMEA; 2008)

- 2008 – **Tour Guide for Scripps Community Outreach Program for Education (SCOPE)**
 2016 Walking tours of Scripps Institution of Oceanography and snorkeling tours with leopard sharks
- 2008 – **Moderator and Science Judge for National Ocean Science Bowl (NOSB)**
 2012 Annual high school competition hosted by the Birch Aquarium

CHURCH SERVICE

- 2023 – **Elected Member of the Parish Council (Board of Directors)**
 Pres. Saint Gregory of Nyssa Greek Orthodox Church, El Cajon, California
President (2-year term; 2025 – Pres.)
Secretary (2-year term; 2023 – 2024)
- 2025 – **Member of Board of Directors**
 Pres. Saint Phoebe Center for the Deaconess

GRADUATE (M.S.) STUDENTS ADVISED

Year(s)	Name	Institution
2022 – 2024	Makenna Chan	University of San Diego, San Diego, CA (Committee Member)
2021 – 2024	Okoiya Kelly	University of San Diego, San Diego, CA (Committee <u>Chair</u>)
2020 – 2022	Annabel Gong	University of San Diego, San Diego, CA (Committee <u>Chair</u>)
2018 – 2022	Jack May III	CSU – Long Beach, Long Beach, CA (Committee Member)
2018 – 2019	Rachel Steinberg	University of San Diego, San Diego, CA (Committee Member)

UNDERGRADUATE STUDENTS MENTORED AS RESEARCH STUDENTS

Year(s)	Name	Institution
2025 – pres.	Autumn Cochran	Point Loma Nazarene University, San Diego, CA
2025 – pres.	Noah Bradshaw	Point Loma Nazarene University, San Diego, CA
2025 – pres.	Alexander Kuhn	Point Loma Nazarene University, San Diego, CA
2023 – 2025	Caroline Saple	Point Loma Nazarene University, San Diego, CA
2023 – 2025	Kayleigh Bjarin	Point Loma Nazarene University, San Diego, CA
2023 – 2024	Josh Gailey	Point Loma Nazarene University, San Diego, CA
2023	Emily Bohnet	Point Loma Nazarene University, San Diego, CA
2020 – 2021	Alyssa Veneri	University of San Diego, San Diego, CA
2020 – 2021	Clara Padinske	University of San Diego, San Diego, CA
2020 – 2022	Savannah Stallings	University of San Diego, San Diego, CA
2020 – 2022	Maya Hodder	University of San Diego, San Diego, CA
2020 – 2022	Siena Merk	University of San Diego, San Diego, CA
2018 – 2019	Annabel Gong	University of San Diego, San Diego, CA
2018 – 2019	Nikola Modric	University of San Diego, San Diego, CA
2017	Anik Ribera	University of Saint Katherine, San Marcos, CA
2017	Tabitha Hannon	University of Saint Katherine, San Marcos, CA
2016	Chris Papatheofanis	Pitzer College, Claremont, CA
2016	Dylan Sarish	University of California – San Diego, La Jolla, CA
2016	Ram Iyer	University of California – San Diego, La Jolla, CA
2016	Wenda Ly	University of California – San Diego, La Jolla, CA

2015	Mitchell Simpson	University of San Diego, San Diego, CA
2015	Jennifer Joseph	San Diego State University, San Diego, CA
2014 – 2015	Danielle Lemieux	University of San Diego, San Diego, CA
2014	Jamie Canepa	Pomona College, Pomona, CA
2014	Isaac Davidson	University of San Diego, San Diego, CA
2014	Caitlin McNally	University of San Diego, San Diego, CA
2013 – 2014	Katherine Laybourn	University of San Diego, San Diego, CA
2013	Jesse O’Neil	University of San Diego, San Diego, CA
2013	Sydney Davis	University of San Diego, San Diego, CA
2013	Brittany Nelson	University of San Diego, San Diego, CA
2013	Melis Okter	University of California – San Diego, La Jolla, CA
2013	Ronia Sham	University of California – San Diego, La Jolla, CA
2013	Delanie Medina	California State University – San Marcos, San Marcos, CA
2012	Allison Randolph	Florida Institute of Technology, Melbourne, FL
2012	Adam Hardy	Swarthmore College, Swarthmore, PA
2012	Megan Ouyang	University of California – San Diego, La Jolla, CA
2011 – 2013	Justin Beckman	University of California – San Diego, La Jolla, CA
2011 – 2012	Amanda Barker	University of California – San Diego, La Jolla, CA
2011	Bryan Frossard	University of California – Berkeley, Berkeley, CA
2011	Jordan Arce	University of California – San Diego, La Jolla, CA
2011	Sara Pennebaker	University of California – San Diego, La Jolla, CA
2010 – 2011	Alex Caillat	Cornell University, Ithaca, NY
2010	Amanda Martin	University of California – Los Angeles, Los Angeles, CA
2010	Mary-Cate Bernal	Santa Clara University, Santa Clara, CA
2010	Lillian McCormick	Eckerd College, Saint Petersburg, FL
2010	Lindsay Bonito	University of California – San Diego, La Jolla, CA
2009 – 2010	Mark Royer	University of North Carolina – Wilmington, Wilmington, NC
2009	Marcus Taylor	University of Hawaii – Hilo, Hilo, HI
2008	Martin Lührmann	University of Cologne, Cologne, Germany