

KAYLA BLINCOW

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EDUCATION

- (Pres.) Ph.D. Marine Biology, Scripps Institution of Oceanography, UC San Diego
2017 Geographic Information Systems Professional Certification, UC San Diego Extension
2014 Masters of Conservation Biology, University of Queensland
2012 B.S. Ecology Behavior Evolution Biology, UC San Diego

PUBLICATIONS

- Blicow KM**, Semmens BX. The effect of sea surface temperature trends on the structure and connectivity of species landings interaction networks in a multispecies recreational fishery. *In review*.
- 2021 Nosal AP, Cartamil DC, Ammann AJ, Bellquist LF, Ben-Aderet NJ, **Blicow 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*). *Jouranl of Applied Ecology*. *In press*.
- 2020 **Blicow KM**, Bush PG, Heppell SA, McCoy CM, Johnson BC, Pattengill-Semmens CV, Heppell SS, Stevens-McGeever SJ, Whaylen L, Luke K, Semmens BX. Spatial ecology of Nassau Grouper at home reef sites: using acoustic telemetry to track a large, long-lived epinepelid across multiple years (2005-2008). *Marine Ecology Progress Series*. 655: 199-214.
- 2010 Hanna G, **Blicow KM**, Hein E. Species abundance and sex ratios of *Drosophila melanogaster* and *Zaprionus indianus* in two different habitats of the Tropical Dry Forest of Alamos, Mexico (Diptera: Drosophilidae). *Drosophila Information Service*. 93: 106-109.

ONGOING PROJECTS

Trophic ecology of Giant Sea Bass (*Stereolepis gigas*) inferred from stable isotope and gut content analyses.

Investigating the spatial ecology of Giant Sea Bass (*Stereolepis gigas*) in the La Jolla Kelp Forest using acoustic telemetry.

What can trends in the trophic level of products tell us about the environmental and economic sustainability of global seafood trade?

CONFERENCES/PRESENTATIONS

- 2020 **Blinco KM**, Semmens BX. Quantifying and visualizing causal interaction networks between target species landings in a multispecies recreational fishery. International Marine Conservation Congress. *Virtual*. (Talk)
- 2020 **Blinco KM**, Doss Y, Angne P, Ramirez-Valdez A, Semmens BX. Using stable isotope analyses to investigate the trophic ecology of an IUCN Critically Endangered species, the Giant Sea Bass (*Stereolepis gigas*). International Marine Conservation Congress. *Virtual*. (Poster)
- 2020 **Blinco KM**. Jurassic Park: Kelp Forest Edition—Exploring the wild animals of the California Coast, with a lot less carnage. SIO Women and Minorities in Science Student Seminar Series. *Virtual*. (Talk)
- 2020 **Blinco KM**, Semmens BX. Using causal interaction networks between target species to gain insight into the structure and dynamics of a multispecies recreational fishery. SIO Graduate Student Presentations Seminar. La Jolla, CA. *Virtual*. (Talk)
- 2020 **Blinco KM**, Doss Y, Ramirez-Valdez A, Semmens BX. Addressing knowledge gaps in the ecology of Giant Sea Bass (*Stereolepis gigas*) using tagging and stable isotope analyses. Giant Sea Bass Symposium. Aquarium of the Pacific, Long Beach, CA. (Talk)
- 2020 **Blinco KM**, Semmens BX. Uncovering causal interaction networks between target species in a multispecies recreational fishery. Ocean Sciences Meeting. San Diego, CA. (Talk)
- 2019 **Blinco KM**, Doss Y, Ramirez-Valdez A, Semmens BX. Addressing knowledge gaps in the ecology of Giant Sea Bass (*Stereolepis gigas*) using tagging and stable isotope analyses. Western Society of Naturalists Meeting. Ensenada, MX. (Talk)
- 2018 **Blinco KM**. Uncovering the spatial ecology of an iconic kelp forest fisheries species. SIO Marine Biology Student Symposium. La Jolla, CA. (Talk)
- 2017 **Blinco KM**, Semmens BX. Uncovering causal interaction networks between target species in a multispecies recreational fishery. Western Society of Naturalists Meeting. Pasadena, CA. (Talk)

GRANTS AND FELLOWSHIPS

- 2020 The Edna Bailey Sussman Fund Graduate Environmental Internship (carried out with Dr. Alan Haynie and the Alaska Fisheries Science Center) (\$3,000)
- 2020 Women Divers Hall of Fame Marine Conservation Scholarship sponsored by the Rachel Morrison Memorial Fund (\$2,000)
- 2019 Los Angeles Rod & Reel Club Foundation, Maxwell J. Fenmore Memorial Fellowship (\$8,000)
- 2018 Mia Tegner Memorial Fellowship (\$3,020)
- 2017 WILDCOAST Outreach Grant (\$1,050)
- 2016 Program for Interdisciplinary Environmental Research Fellowship (sources split below)

San Diego Fellowship (\$33,000)

Mary M. Yang Graduate Fellowship for Environmental Stewardship (\$25,000)

TEACHING EXPERIENCE

- 2020 Guest Lecture, MBC 258: MAS-MBC Forum, Intro to R
- 2020 Lead Instructor, SIO R Coding Boot Camp
- 2020 Guest Lecture, SIO 139: Current Research Methods in Marine Biology, Quantitative Tools
- 2019 Guest Lecture, SIOB 272: Advanced Statistical Techniques, Bootstrapping
- 2019 Teaching Assistant, SIOB 272: Advanced Statistical Techniques
- 2018 Teaching Assistant, BIEB 135: Aquatic Ecology Lab

WORKSHOPS AND TRAININGS

- 2019 FISH 558: Decision Analysis in Natural Resource Management (attended coding boot camp and audited course). University of Washington. Seattle, WA.
- 2019 Time Series Analysis Workshop at PSAW II. La Jolla, CA.
- 2019 Protected Species Assessment Workshop (PSAW II). La Jolla, CA.
- 2018 Center for the Advancement of Population Assessment Methodology (CAPAM) Spatial Stock Assessment Models Workshop. La Jolla, CA.
- 2018 FISH 559: Numeric Modelling in Fisheries (attended coding boot camp and audited course). University of Washington. Seattle, WA.
- 2018 Movebank Workshop. NC Museum of Natural Sciences. Raleigh, NC.
- 2017 Center for the Advancement of Population Assessment Methodology (CAPAM) Recruitment Workshop. Miami, FL.

MENTORSHIP

- 2020 – Pres Tyler Loughran (M.A.S.)
- 2020 – Pres Sara Herrejon Chavez (Undergraduate): Científico Latino Graduate Student Mentorship Initiative
- 2019 – 2020 Kara Wiggin (Ph.D.): SIO PhD Peer Mentor Program
- 2019 – 2020 Lauren Martin (M.A.S.): “Finding a Needle in a Haystack: Detecting Abalone Presence Using Environmental DNA.”
- 2019 Youssef Doss (R.E.U.): “Small Foray into the Realm of Giants: Investigating the Movement Ecology of Giant Sea Bass (*Stereolepis gigas*).”
- 2018-2019 Emi Koch (M.A.S.): “Fisheries Conflicts: Impacts on Social-Ecological Wellbeing and Human Security.”

- 2018-2019 Ross Cooper (M.A.S.): “The fish formerly known as *Lampris guttatus*: Analyzing combined Catch-Per-Unit-Effort of two recently defined species of opah.”
- 2017-2018 Meghan Emidy (M.A.S.): “Changing Climate in the Classroom: A Model for Place-based Climate Science Education in San Diego County”

PROFESSIONAL SERVICE

- Ongoing* Reviewer for *Scientific Reports*, *Ecological Applications*, *Marine Ecology Progress Series*.
- 2020 – Pres. SIO Center for Marine Biodiversity and Conservation Sustainable Seafood Initiative Committee
- 2020 SIO Center for Marine Biodiversity and Conservation Staff Hiring Committee
- 2019 SIO Faculty Hiring Committee Student Representative
- 2019 – Pres. SIO Diving Control Board Student Representative
- 2018 – Pres. Leader of SIO R Users Group
- 2018 – Pres. SIO Center for Marine Biodiversity and Conservation Student Representative
- 2016 – 2018 Coordinated Interdisciplinary Forum for Environmental Research at SIO

OUTREACH

- 2020 – Pres. Científico Latino Graduate Student Mentorship Initiative
- 2020 – Pres. Skype a Scientist Program
- 2020 Guest Speaker for Lewis Middle School 7th Grade Science Class
- 2019 Science Lecturer for SEACAMP San Diego
- 2018 – Pres. Letters to Pre-Scientist Pen Pal Program
- 2018 American Fisheries Society Hutton Scholar Pen Pal Program
- 2017 Produced training film for kayak guides in Matlahuayl State Marine Reserve

ADDITIONAL SKILLS

SIO Small Boating Course; Maintain and Operate Semmens Lab Boston Whaler
 AAUS Scientific Diver
 DAN First Aid/CPR Certified