

Dr. James R. White

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jamesryanwhite.com

- Objective** Degrees in Marine Biology with specialization in behavioral ecology
- Education**
- James Cook University, Townsville, QLD, Australia
2015
- Doctor of Philosophy – Marine Biology
- James Cook University, Townsville, QLD, Australia
2013
- Masters by Research – Marine Biology
- James Cook University, Townsville, QLD, Australia
2010
- Masters of Applied Science – Marine Biology; GPA 6.63 (7 pt. scale)
- University of California - Santa Cruz, Santa Cruz, CA, USA
2006
- Bachelor of Science – Marine Biology
- Research Experience**
- Volunteer
4/2006-12/2006 PISCO Intertidal, Santa Cruz, CA
- Processing of “tuffy’s (artificial habitat for mussel and barnacle recruits).
 - Collection of data from intertidal field sites across N. California.
 - General maintenance and repair of field equipment.
- Volunteer
10/2006-11/2006 Jared Figurski, Santa Cruz, CA
- Assist in kelp forest detritus project by running *Macrocystis pyrifera* transects.
- Volunteer
10/2006-1/2007 Jan Freiwald, Santa Cruz, CA
- Collect kelp greenlings (*Hexagrammos decagrammus*) for use in acoustic tracking project.
 - Assist in taking fin clips, implanting acoustic tracking devices, and implanting fin tags.
 - Replace and reposition hydrophones for project

Volunteer

4/2006-2/2007 PISCO Subtidal, Santa Cruz, CA

- Data entry and rechecking into Excel.
- General maintenance and repair of field equipment. Minor boat repair. Deployment and maintenance of moorings.
- Collection of SMURFS (artificial habitats for newly settled fish). Field collection of abundance and distribution data on fish, invertebrates, and algae using SCUBA. Deployment, programming, and data retrieval from temperature loggers and ADCPs (Acoustic Doppler Current Profilers).

Senior Building Maintenance Technician

2/2007-4/2007 Long Marine Lab, Santa Cruz, CA

- Mechanical and electrical maintenance and repair. Light carpentry.
- Small boat maintenance and repair- patching inflatable boats, repairing wooden floorboards, attaching and retrofitting new hardware, repairing lights, patching fiberglass, etc.
- LML seawater intake filter replacement, research vessel underwater inspection and repair, marine life collecting.
- Grounds maintenance and research vessel maintenance. Maintaining and filling of SCUBA cylinders.

Underwater Photographer

5/2007-8/2007 Capture Photo, Bonaire, Netherlands Antilles

- Daily maintenance of computers, computer network, and underwater cameras/housings.
- Train new employees and customers with usage of point and shoot underwater cameras. Give basic and advanced underwater photography courses.

Marine Biologist

8/2007-6/2009 PCSU/Research Corporation for the University of Hawai'i at Manoa, Honolulu, HI

- Responsible for organizing and completing diving and other field/lab work for a coral reef recruitment and oceanography study.
- Construction/deployment/sampling of field devices.
- Manage and analyze data, complete reports and other documents.

Field Technician

1/2009-6/2009 PCSU/Research Corporation for the University of Hawai'i at Manoa, Honolulu, HI

- Organizing and conducting field work for coastal mapping and inventory project for the National Park Service.
- Working with a team to plan, organize, and conduct intertidal surveys to produce an inventory of biological, geographical, and anthropogenic resources within Park boundaries.
- Organize database to link with GIS map of coastal Park areas.

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Volunteer

8/2009-6/2015 JCU research groups, Townsville, QLD

- Assist in field collection, underwater photography, tagging, and processing of coral/seagrass/sediment/sponge samples.

Environmental Scientist

8/2016-Present California Department of Fish and Wildlife, Stockton, CA

- Lead researcher, database manager and analyst for the Fall Midwater Trawl Survey. Responsible for the collection, processing, interpretation, and reporting of data collected by the survey. Crew leader for 1 to 3 permanent and temporary personnel during field season. Alternate field lead for the Summer Trawl Survey. Edit data, manage databases, analyze and interpret data, write reports and manuscripts, and attend and participate in meetings, workshops, and conferences.

Teaching Experience

Tutor

2010 James Cook University, Townsville, QLD

- BT1001- Introduction to Plant Science
- Tutor students in observation and interpretation of plant materials, structure and function of plants, use of keys for identifying plants.
- Give PowerPoint presentations, guide during field trips, mark submitted assignments.

Tutor

2011-12, 2014 James Cook University, Townsville, QLD

- MB 3150 – Fisheries Science
- Tutor students in observation and interpretation of fish tissue/otolith samples, structure and function of fish physiology, use of keys for identifying coral reef fish.

Tutor

2011-2013 James Cook University, Townsville, QLD

- MB 2060- Marine Ecology and Environmental Assessment
- Tutor students in design and interpretation of ecological data, use of statistical software to analyze collected data.
- Guide during field trips

Substitute Teacher

11/2015-6/2016 GV-CISD, C-FBISD, LISD, Dallas, TX

- Supervise and teach K-12 students in all subjects as required.

Private Tutor

1/2016-6/2016 Dallas, TX

- Develop customized lesson plans and instruct individual students in math and technology.

Professional Affiliations

Australian Society for Fish Biology, Australian Coral Reef Society, The Fisheries Society of the British Isles, International Society for Behavioral Ecology, American Fisheries Society

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Certifications

AAUS Scientific Diver 100ft depth rating, Master Diver, Rescue Diver, Nitrox Diver, Oxygen/First Aid/CPR, Divemaster, Drysuit Diver, QLD Boating license

Conference Presentations

**Presenting Author*

1. White, J.R.* Smelt abundances in Cache Slough and other non-index stations sampled in the Fall Midwater Trawl survey. Oral presentation at the 51st American Fisheries Society, Cal-Neva Chapter Meeting. (Eureka, CA, April 5-7, 2017)
2. White, J.R.* Smelt abundances in Cache Slough and other non-index stations sampled in the Fall Midwater Trawl survey. Oral presentation at the 2017 Interagency Ecological Program Workshop. (Folsom, CA, March 1-3, 2017)
3. White, J.R.*, Killen, S., Meekan, M.G., McCormick, M.I. Metabolic phenotype of the hunter affect the outcome of predator-prey encounters. Oral presentation at the International Society of Behavioural Ecology Conference. (New York City, USA, July 31-August 5, 2014)
4. White, J.R.*, McCormick, M.I., Meekan, M.G. The relationship between boldness and learning in a tropical reef fish. Oral presentation at the 9th Indo-Pacific Fish Conference. (Okinawa, Japan, June 24-28, 2013)
5. White, J.R.*, McCormick, M.I., Meekan, M.G. The relationship between boldness and learning in a tropical reef fish. Oral presentation at the annual JCU Marine and Tropical Biology Student's Conference. (Townsville, Australia, June 3-4, 2013)
6. White, J.R.*, Meekan, M.G., McCormick, M.I., Ferrari, M.C.O. A comparison of field methods for assessing boldness in fishes. Oral presentation at the 12th International Coral Reef Symposium. (Cairns, Australia, July 9-13, 2012)
5. White, J.R.*, Meekan, M.G., McCormick, M.I., Ferrari, M.C.O. A comparison of field methods for assessing boldness in fishes. Oral presentation at the annual JCU Marine and Tropical Biology Student's Conference (Townsville, Australia, Sept. 29-30, 2011)
6. Basch, L.V., Leemhuis, A., White, J.R.*, Walsh, W. Recruitment Dynamics of Scleractinian Corals in a network of National Parks and Marine Protected Areas: West Coast Hawai'i Island. Oral presentation at the 16th annual Hawai'i Conservation Conference (Honolulu, HI, July 29-31, 2008)
7. Basch, L.V., Leemhuis, A., White, J.R.*, Walsh, W. Recruitment Dynamics of Scleractinian Corals in a network of National Parks and Marine Protected Areas: West Coast Hawai'i Island. Poster presentation at the 11th International Coral Reef Symposium (Ft. Lauderdale, FL, July 7-11, 2008)

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Invited Talks

1. The role of boldness and other personality traits in the ecology of juvenile marine fishes. Oral presentation hosted by the Glasgow Fish Biology group at Glasgow University (Glasgow, Scotland, January 12, 2016).

Grants and Awards 2016

- International Society of Behavioural Ecology Travel Grant (US\$1600)

2014

- James Cook University Graduate Research Scheme Travel Grant (AU\$2000)
- AIMS@JCU Travel Grant (AU\$1500)
- AIMS@JCU Pilot Research Award (AU\$1000)
- International Society of Behavioural Ecology Travel Grant (US\$2000)

2013

- AIMS@JCU Travel Grant (AU\$2000)

2012

- James Cook University International Research Scholar (AU\$53,228 p.a. for 3 yrs)
- Best Oral Presentation, AIMS@JCU Seminar Day (AU\$2000)

2011

- Best Oral Presentation, JCU Marine and Tropical Biology Postgraduate Conference (AU\$250)
- Bronze Medal, Queensland Amateur Brewing Championship

Publications

1. Brooker R.M., Feeney, W.E., **White, J.R.**, Manassa, R.P., Johanson, J.L., Dixson, D.L. (2016) Using insights from animal behaviour and behavioural ecology to inform marine conservation initiatives. *Animal Behaviour*. doi: 10.1016/j.anbehav.2016.03.012
2. Palacios M.M., Killen S.S., Nadler L.E., **White, J.R.**, McCormick, M.I. (2016) Top predators negate the effect of mesopredators on prey physiology. *Journal of Animal Ecology* 1365–2656. doi: 10.1111/1365-2656.12523
3. **White J.R.**, Meekan, M.G., McCormick, M.I. (2015) Individual consistency in boldness and activity in newly settled reef fish. *PeerJ* 3:e961. doi: 10.7717/peerj.961
4. **White J.R.**, McCormick M.I., Meekan M.G. (2013) Syndromes or flexibility: Behavior during a Life History Transition of a Coral Reef Fish. *PLoS ONE* 8(12):e84262. doi: 10.1371/journal.pone.0084262
5. Chivers, D.P., Dixson, D.L., **White, J.R.**, McCormick, M.I., Ferrari, M.C.O. (2013) Degradation of chemical alarm cues and assessment of risk throughout the day. *Ecology and Evolution*. doi: 10.1002/ece3.760
6. **White J.R.**, Meekan M.G., McCormick M.I., Ferrari M.C.O. (2013) A Comparison of Measures of Boldness and Their Relationships to Survival in Young Fish. *PLoS ONE* 8(7): e68900. doi:10.1371/journal.pone.0068900

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