

## Ian Alexander Bouyoucos

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### Research Interests

Conservation physiology, ecological physiology, and stress physiology of fishes

### Education

**PhD Candidate** (expected graduation April 2020) Natural and Physical Sciences, James Cook University & Systèmes Intégrés, Environnement et Biodiversité, École Pratique des Hautes Études

**M.Sc.** (2016) Natural Resources and Environmental Sciences, University of Illinois at Urbana-Champaign

**B.Sc.** (2012) Ecology and Evolutionary Biology, University of Michigan

### Peer-Reviewed Publications

**Bouyoucos, I. A.,** Suski, C. D., Mandelman, J. W., & Brooks, E. J. (2018). *In situ* swimming behaviors and oxygen consumption rates of juvenile lemon sharks (*Negaprion brevirostris*). ***Environmental Biology of Fishes*, 101, 761-773.**

Impact Factor: 1.255, Citations: 0, Altmetric: 10

Hasler, C. T., **Bouyoucos, I. A.,** & Suski, C. D. (2017). Tolerance to hypercarbia is repeatable and related to a component of the metabolic phenotype in a freshwater fish. ***Physiological and Biochemical Zoology*, 90, 583-587.**

Impact Factor: 2.104, Citations: 0, Altmetric: 4

**Bouyoucos, I. A.,** Suski, C. D., Mandelman, J. W., & Brooks, E. J. (2017). Effect of weight and frontal area of external telemetry packages on the kinematics, activity levels, and swimming performance of small-bodied sharks. ***Journal of Fish Biology*, 90, 2097-2110.**

IF: 1.519, Citations: 1, Altmetric: 9.

Talwar, B., **Bouyoucos, I. A.,** Shipley, O., Rummer, J. L., Mandelman, J. W., Brooks, E. J., & Grubbs, R. D. (2017). Validation of a portable, waterproof blood pH analyzer for elasmobranchs. ***Conservation Physiology*, 5, cox012; doi:10.1093/conphys/cox012**

IF: 2.323, Citations: 1, Altmetric: 10.

**Bouyoucos, I. A.,** Suski, C. D., Mandelman, J. W., & Brooks, E. J. (2017). The energetic, physiological, and behavioral response of lemon sharks (*Negaprion brevirostris*) to simulated longline capture. ***Comparative Biochemistry and Physiology Part A*, 207, 65-72.**

IF: 1.812, Citations: 3, Altmetric: 9.

**Bouyoucos, I. A.,** Montgomery, D. W., Brownscombe, J. W., Cooke, S. J., Suski, C. D., Mandelman, J. W., & Brooks E. J. (2017). Swimming speeds and metabolic rates of semi-captive juvenile lemon sharks (*Negaprion brevirostris*, Poey) estimated with acceleration biologgers. ***Journal of Experimental Marine Biology and Ecology*, 486, 245–254.**

IF: 1.937, Citations: 3, Altmetric: 26.

**Bouyoucos, I.,** Bushnell, P., & Brill, R. (2014). Potential for electropositive metal to reduce the interactions of Atlantic sturgeon with fishing gear. ***Conservation Biology*, 28, 278–282.**

IF: 4.842, Citations: 4, Altmetric: 6.

### Research Experience

*Department of Natural Resources and Environmental Sciences, University of Illinois, Urbana, IL*

**Research Assistant** (August 2014 – August 2016)

*Shark Research and Conservation Program, Cape Eleuthera Institute, Eleuthera, The Bahamas*

**Research Assistant** (January – August 2014), **Research Technician** (July – December 2013), and **Intern** (January – June 2013; July – August 2010)

### Educational Experience

*Applied Scientific Research Department, Cape Eleuthera Island School, Eleuthera, The Bahamas*

**Student Teacher** (August 2013 – December 2015)

## Awards

### **ARC Centre of Excellence for Coral Reef Studies, David Yellowlees Excellence in Research Award** March 2018

Competitive funds (AUD \$1900) awarded to PhD students enrolled in the ARC Centre of Excellence for Coral Reef Studies at James Cook University to enhance or extend their research.

### **Europcar, Prix 2017 pour la Recherche Bio-Marine** November 2017

First prize (100,000 XPF) of a competitive award given to graduate students conducting research at the Centre de Recherche Insulaires et Observatoire de l'Environnement on Moorea, French Polynesia.

### **British Ecological Society Travel Award** October 2017

Travel award (£100) given for oral presentation abstract at the 10<sup>th</sup> Indo-Pacific Fish Conference, entitled "Dead tired: physiological exhaustion in neonatal sharks (*Carcharhinus melanopterus* and *Negaprion acutidens*) in nursery areas."

### **Passions of Paradise/Oceania Chondrichthyan Society, Research Award** 2017-2018

Competitive student research grant (AUD \$3000) awarded to one student member of the Oceania Chondrichthyan Society.

### **Company of Biologists, Travelling Fellowship** 2017-2018

Travelling grant (£2100) offered to graduate students or post-doctoral researchers to make collaborative visits to other laboratories.

### **ARC Centre of Excellence for Coral Reef Studies, Higher Degree Research Enhancement Scheme** August 2017

Competitive funds (AUD \$2500) awarded to PhD students enrolled in the ARC Centre of Excellence for Coral Reef Studies at James Cook University to enhance or extend their research.

### **James Cook University, Postgraduate Research Scholarship** January 2017-Present

Competitive scholarship offered to international postgraduate students at James Cook University, providing a stipend (\$20,192.80 per year) and tuition waiver for up to 3.5 years.

### **ARC Centre of Excellence for Coral Reef Studies, PhD Scholarship** October-December 2016

Stipend (\$4970.40) and tuition waiver offered by the ARC Centre of Excellence for Coral Reef Studies to commence a PhD at James Cook University.

### **University of Illinois at Urbana-Champaign, Departmental Research Assistantship** 2014-2016

Stipend (\$20,250.69 per year) and tuition waiver offered by the Department of Natural Resources and Environmental Services at the University of Illinois to assist a two-year Master's degree.

### **Cape Eleuthera Institute, Award for Excellence in Research** October 2014

Studentship (\$2500) awarded to graduate students at the Cape Eleuthera Institute that demonstrate excellence in research and teaching.

## Conference Presentations

Society for Experimental Biology, "Reef shark performance under ocean warming in the 21<sup>st</sup> century," **Bouyoucos, I. A.**, Brauner, C. J., Jacquesson, E., Morrison, P. R., Simpfendorfer, C. S., Weideli, O. C., & Rummer, J. L. *Oral Presentation*, Florence, Italy, July 2018.

Indo-Pacific Fish Conference, "Dead tired: physiological exhaustion in neonatal sharks (*Carcharhinus melanopterus* and *Negaprion acutidens*) in nursery areas," **Bouyoucos, I. A.**, Weideli, O. C., Simpfendorfer, C. A., Planes, S., & Rummer, J. L. *Oral Presentation*, Papeete, French Polynesia, October 2017.

Australian Coral Reef Society, "Dead tired: Temperature resilience but prolonged recovery upon exhaustive exercise in newborn blacktip reef sharks (*Carcharhinus melanopterus*)," **Bouyoucos, I. A.**, Weideli, O. C., Simpfendorfer, C. A., Planes, S., & Rummer, J. L. *Oral Presentation*, Townsville, Queensland, Australia, July 2017.

## Journal Referee

Animal Biotelemetry • Comparative Biochemistry and Physiology – Part A: Molecular & Integrative Physiology • Environmental Biology of Fishes • ICES Journal of Marine Science • Journal of Experimental Marine Biology and Ecology • Marine and Freshwater Research • Pan-American Journal of Aquatic Sciences • PLoS One