

## **JULIO CAMPERIO**

200 Ocean Lane Drive, Key Biscayne, 33149, Florida

Phone: +1 (305) 804 - 7245 - Email: jcamperio@rsmas.miami.edu - Site: www.juliocamperio.com

### **EDUCATION:**

#### **University of Miami, Miami, FL**

**August 2020- Present**

*PhD student of Aquaculture*

Coursework: Advanced biometrics in marine science

#### **University of Miami, Miami, FL**

*Candidate for a Master of Science in Aquaculture*

**August 2018 – August 2020**

Coursework: aquaculture I, legal environment and business, fisheries socioeconomic management, biometrics in marine science, aquaculture II, seafood market and marketing, fish physiology, nutrition

#### **Northeastern University, Boston, MA**

**May 2016**

*Bachelor of Arts and Humanities in Spanish*

*Minors in Marine Studies, Sustainable Business and Latin American & Caribbean Studies*

Relevant Coursework: environmental science, geology, biology 1, geographic information systems, environment & society, environmental ethics, sustainability in the business environment

#### **University of the Virgin Islands, Christiansted, St. Croix**

**April 2015**

Coursework in aquaponics, fish culture, agriculture and business enterprises

#### **Sea Education Association, Woods Hole, MA**

**January-April 2015**

SEA Semester - SSV Corwith Cramer scientific expedition through part of the Caribbean

Coursework in oceanography, maritime history and nautical science

#### **American School of Milan, Italy**

**2007 - 2011**

Graduated with a full international baccalaureate diploma

**Languages Spoken:** Fluent in Italian, English, and Spanish

**Citizenship:** USA and Italy

### **RELEVANT EXPERIENCE:**

#### **University of Miami Experimental Hatchery, Miami, FL**

**August 2018 - Present**

*Graduate Research Associate for Master of Science and PhD*

- Broodstock husbandry of cobia (*Rachycentron canadum*), mahi-mahi (*Coryphaena hippurus*), Nassau grouper (*Epinephelus striatus*), red snapper (*Lutjanus campechanus*), hogfish (*Lachnolaimus maximus*), hirame (*Paralichthys olivaceus*), yellowtail Snapper (*Ocyurus chrysurus*), tripletail (*Lobotidae surinamensis*), and almaco jack (*Seriola rivoliana*)
- Larval rearing of cobia, hirame and mahi-mahi
- Carried out juvenile hirame nutrition trial
- Evaluation of insect meal as protein source in feeds

#### **The Nature Conservancy & Future of Fish Feed, Koror, Palau**

**May – October 2019**

*Nutrition Research Consultant*

- Executed nutrition trial on golden-lined rabbitfish (*Siganus lineatus*)
- Evaluated performance of novel feeds formulated with plant-based meal
- Visited farms to assess stock growth and communicate with farmers on feed rates
- Collected, organized and prepared final report on results for collaborating parties

#### **Spring Genetics, Miami, FL**

**May 2018**

*Farm Technician*

- Assisted in harvesting, sexing and eggs collection of blue tilapia (*Oreochromis aureus*)
- Carried out daily feeding and biometrics for juvenile and adult animals

#### **University of Miami Miller School of Medicine, Miami, FL**

**April – November 2018**

*Research Associate I*

- Assisted in rodent husbandry, handling, injections, dissections and perfusions
- Quantified imagery data to assess pancreatic cellular and vascular structure

#### **Olakai Hawai'i, Oahu, HI**

**May - October 2017**

*Seaweed Farm Supervisor*

- Supervised the harvest, cleaning, quality control, packing and storage of seaweed (*Gracilaria*)
- Built and operated a small-scale broodstock and hatchery system of tilapia (*Oreochromis*)
- Regularly cleaned, maintained and operated life support systems and culture equipment

**Smithsonian Tropical Research Institute, Gamboa, Panama**

**September 2016 – May 2017**

*Research Assistant*

- Amphibian husbandry and experiment to determine impacts of diet and water composition on the development of spindly leg syndrome in Pirre harlequin frog (*Atelopus glyphus*)
- Build worm and black soldier fly composting system to provide additional feed for frogs
- Collected wild frog specimens to display for educational purposes at local museum

**Hawaii Institute of Marine Biology, Oahu, HI**

**April-September 2015**

*Chief Intern for Research in Coral Cryobiology and Conservation*

- Coral husbandry and conservation research using cryopreservation of mushroom (*Fungia scutaria*), cauliflower (*Pocillopora meandrina*), rice (*Montipora capitata*) and lobe (*Porites lobate*)
- Husbandry of adult coral and reproduction, and rearing and settlement of larvae
- Cultured crustose coralline algae for larval settlement, and husbandry of grazer fish for algae control

**Universidad de Las Palmas de Gran Canaria, Las Palmas, Spain**

**July - December 2014**

*Hatchery Intern*

- Husbandry of Almaco Jack (*Seriola rivoliana*) and Meagre (*Argyrosomus regius*)
- Assisted in Nile Tilapia (*Oreochromis niloticus*) nutrition trial and biochemical analysis

**New England Aquarium, Boston, MA**

**January - May 2014**

*Volunteer in Coral Research*

- Coral husbandry and tissue scarification to determine recovery rate in different water temperatures
- Coral and mucus collection with SCUBA

**New England Aquarium, Boston, MA**

**October – December 2013**

*Intern in the Cold Marine Department*

- Cold marine fish husbandry and life support maintenance
- Biometrics of endangered Plymouth red-bellied turtle (*Pseudemys rubriventris*)

**New England Aquarium, Boston, MA**

**July – December 2013**

*Intern in the SCUBA Department of the Giant Ocean Tank*

- Husbandry of 1,800 tropical fish of numerous species in a 200,000-gallon tank
- Extracted selected fish for veterinary attention or transportation
- Carried out construction and maintenance of devices as needed

**University of Miami Experimental Hatchery, Miami, FL**

*Aquaculture Intern*

**May- June 2013**

- Husbandry of California sea slug (*Aplysia californica*)
- Sorting and packing
- Collected data for experiment on algae growth in different levels of salinity

## **SKILLS AND QUALIFICATIONS**

- **Computer Skills:** Microsoft Excel; Word, PowerPoint; Photoshop; GIS; ImageJ; Prism; R; SketchUp
- **Research Skills:** basic laboratory skills; specialized chemistry skills (titration, 600 °C digester, homogenizer, Kjeldahl and Folch methods, HACH and YSI water quality); specialized reproductive biological skills for coral (hemocytometer, cryopreservation, *Symbiodinium* extraction, solution preparation, water quality, use of liquid nitrogen, PAM, PAR, HOBO Loggers); in vivo digestibility trials; prepare and deliver presentations
- **Husbandry Skills:** managed filtration and life support systems; maintained salt and fresh water tanks; husbandry of coral, tropical, cold marine and freshwater fish, invertebrates and algae; built and operated broodstock, hatchery and nursery systems; observed and assessed behavior, and prevented diseases; live feed culture; prepared feed and medications; targeted surface and underwater feeding; captured, isolated, tagged, transported and re-introduced animals; knowledge of power and non-power tools and plumbing; cleaned thoroughly stations and equipment; packed specimens
- **Field Skills:** SCUBA; motorboat operation; coral and fish identification, collection and shipping; drone pilot