**Katelyn J. Gould**

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**CURRENT POSITION**

**University of North Carolina, Chapel Hill** Chapel Hill, NC

Graduate Student 2017-Present

**EDUCATION**

**Regis University** Denver, CO

B.S. in Biology and B.S. in Environmental Sciences 2011

**GRANTS AND AWARDS**

**PADI Common Grant Foundation Grant** 2018

**University’s Research and Scholarship Council Grant**  2013

Regis University, Internal Grants Department

**SPARC Grant**  2010

Regis University, Sponsored Projects Academic Research Council

**RESEARCH EXPERIENCE**

**University of North Carolina** Chapel Hill, NC

PI 2018-19

* Composed thermal performance curves for *Acropora cervicornis*

commonly used in coral restoration in Florida.

* Constructed a feeding and thermal stress reducing experiment on

 *Acropora cervicornis* and *Oculina arbuscula* corals.

**Bermuda Institute of Ocean Sciences** St. George, Bermuda

Research Collaborator 2017

* Created thermal performance curves and assessed coral physiology

 under temperature stress in reef-building corals from Bermuda.

* The goal of this project is predicting species-specific responses

 to climate change, specifically increasing sea surface temperatures.

**University of North Carolina** Chapel Hill, NC

PI 2014-16

* Investigated development of phenotypic variation in pupfish

 (*Cyprinodon*) jaw structures under various feeding modes.

* Performed mate preference trials across an adaptive radiation

of Bahamian pupfish (*Cyprinodon*).

**North Carolina National Estuarine Research Reserve** Beaufort, NC

PI 2014-15

* Designed field monitoring study on survival and growth rates of

marsh grasses, specifically *Spartina alterniflora* and *Spartina patens,*

in Rachel Carson Research Reserve.

**Regis University** Denver, CO

PI 2012-2014

* Investigated reproductive responses and fitness in the soft coral,

*Nematostella vectensis*, under estrogenic chemical stress.

**TEACHING EXPERIENCE**

**Coral Reef Ecology** St. George, Bermuda

Teaching Assistant Fall 2018

**AAUS Science diving** University of North Carolina**-**Beaufort, NC Teaching Assistant Summer 2018

**Avian Biology** University of North Carolina

Teaching Assistant Spring 2017

**Fundamentals in Human Anatomy** University of North Carolina

Teaching Assistant Fall 2017

**RELATED PROFESSIONAL EXPERIENCE**

**Calibrate Inc.** Carrboro, NC

Quality Assurance Manager 2015-17

* Quality controlled calibration certificates and calibrated equipment

for a national pipette calibration company.

* Managed over 30 field technicians’ equipment, work orders, and

certificate validations, as well as performed company-wide and

personal audits.

**University of North Carolina** Chapel Hill, NC

Lab Manager 2015-17

* Laboratory genomic analysis, DNA extraction and bioinformatics

analysis for various projects on ecological and evolutionary data

in an adaptive radiation of pupfish (*Cyprinodon*).

* Directed fish breeding program for pupfish and African cichlids,

guided by regulations in Division of Laboratory Animal Medicine

(DLAM) and Institutional Animal Care and Use Committee (IACUC).

**North Carolina Coastal Reserve** Beaufort, NC

Living Shoreline Intern 2015

* Collaborated with North Carolina Coastal Federation, University of

North Carolina graduate students, and National Oceanic and

Atmospheric Administration scientists on research projects,

community outreach, educational classes, and developed a

certificate-training program for marine contractors utilizing oyster

reefs as living shorelines across the entire North Carolina coast.

**National Marine Fisheries Service (NMFS)** Seattle, WA

Alaskan Fisheries Observer 2014

* Collected fisheries data on commercial pollock and hake fishing

vessels in the Bering Sea.

* Ensured vessel operation compliance to federal fishing and

safety regulations, protected resource information, and

accurately monitor catch data.

**PEER-REVIEW PUBLICATIONS**

**Gould, K**., Romero, S, and Martin, C.H. In prep. A novel method of cryptic female choice through selective egg deposition provides a pre-mating isolating barrier between specialist and generalist *Cyprinodon* pupfishes.

Martin, C,H., and **Gould, K**. In prep. Experimental measurements of complex fitness landscapes underlying adaptive radiation in *Cyprinodon* pupfishes and the scale of negative frequency-dependent disruptive selection.

**CONFERENCE PRESENTATIONS**

**Association for Environmental Studies and Sciences** Portland, OR

 2010

* **Gould, K.**, and Kleier, C. 2010. Poster. *Environmental Impact Assessment–A Capstone Course for Environmental Studies and Science Majors*.

**Rocky Mountain Sustainability Summit** Denver, CO

 2010

* **Gould, K.**, and Kleier, C. 2010. Poster. *Environmental Impact Assessment–A Capstone Course for Environmental Studies and Science Majors*.

**CERTIFICATIONS AND TECHNICAL SKILLS**

* Open water, Advanced open water, Rescue, Nitrox, Master Diver, AAUS Scientific Diver (60ft), Level 2 REEF surveyor.
* CPR, Oxygen administration, First Aid certificate