



## **CONFIRMED 2020 EDAP INTERNSHIPS**

- 1. Sponsoring Organization: Cross College Alliance / Supervisor: Linda de Mello**  
**Internship Description: Visual Documentation of 2020 CCA EDAP internships/learning experiences**  
**1 CCA student intern placed**  
**June 15 - August 10, 2020**

The intern will create video and digital photographic presentations with appropriate copy documenting learning experiences of interns and the impact of the 2020 Environmental Discovery Awards Internship Program and will assist with the development and implementation of a communications plan.
- 2. Sponsoring Organization: Florida House Institute / Supervisor: Diane Keal**  
**Internship Description: Hands-on activities and project opportunities related to the growth and maintenance of a thriving regenerative permaculture garden**  
**2 CCA student interns placed sequentially**  
**May 18 – July 31 and August 3 – 13, 2020**

The interns will work outdoors with a highly experienced supervisor to perform all the activities required to maintain and grow a thriving regenerative permaculture garden. The interns will have the opportunity to learn the general basics of agriculture and to delve into one or more learning opportunities depending on professional goals and interests, such as propagation, seed saving and soil dynamics.
- 3. Sponsoring Organization: Mote Marine Laboratory / Supervisor: Emily Hall**  
**Internship Description: Ocean acidification field study research**  
**1 CCA student intern placed**  
**June 1 – August 7, 2020**

The intern will join a team of students and scientists conducting a field study in Sarasota Bay to assess if seagrass beds are beneficial areas for clam restoration (especially in light of coast and ocean acidification), and to determine what the carbonate chemistry patterns are within and outside of seagrass beds. Work activities will include labeling, weighing and measuring of clams and outplanting clams in pre-identified locations around Sarasota Bay, and collecting and analyzing water samples.
- 4. Sponsoring Organization: Mote Marine Laboratory – Sarasota Dolphin Research Program (SDRP) - a program of the Chicago Zoological Society based at Mote Marine Laboratory / Supervisor: Katie McHugh**



**Internship Description: Research assistance and environmental education**

**2 CCA student interns placed**

**June 1 – August 7, 2020**

Interns will work as a team assisting with long-term synthesis projects related to the SDRP's 50<sup>th</sup> Anniversary. One intern should have a primary interest/background in scientific research and the second intern should have an interest in environmental education, outreach and communication utilizing visual media, graphic design, and data visualization. Student projects will involve the development of educational outreach materials including visual displays related to SDRP's long-term research collaborations as well as literature reviews and other analyses as part of an upcoming compilation of papers highlighting the findings and conservation impact of SDRP's unique and interdisciplinary longitudinal study. Interns will have the opportunity to participate in monthly boat-based fieldwork focused on monitoring dolphins and their prey in Sarasota Bay using photographic identification and purse seine fishing techniques (key field and lab methods in marine mammal science).

5. **Sponsoring Organization: New College of Florida / Research Supervisors: Dr. Brad Oberle and Dr. Jayne Gardiner**

**Internship Description: Restoration and recovery of estuarine systems research**

**4 CCA student interns placed**

**June 4 – August 10, 2020**

A team of 4 students will participate in an interdisciplinary internship experience centered around estuarine restoration and recovery. The internship is designed to help students develop a broad set of research skills while gaining a better understanding of threats to coastal ecosystems. The project involves student interns at the intersection of changes to estuarine ecosystems which enables students to develop complementary skills while addressing two related project objectives: 1) Identifying drivers for exotic tree invasion of disturbed mangrove habitats, and 2) understanding the recovery of Sarasota Bay's fish communities following a severe red tide event. This unique internship program will help students develop into more well-rounded coast environmental scientists and includes a mentoring plan to ensure that students' experiences as interns prepare them for successful careers in the environmental sector.

6. **Sponsoring Organization: New College of Florida/ Research Supervisor: Dr. Athena Rycyk**

**Internship Description: Acoustic analysis of aquatic, sound-producing organisms**

**3 CCA student interns placed**

**June 1 – August 24, 2020**

Interns will learn about sound propagation, bioacoustics, and develop acoustic analysis skills. These skills will be applied in the analysis of recordings from one of three



datasets: 1) Cameroon, Africa, 2) Sarasota PALS (Passive Acoustic Listening Station) Network, 3) Acoustic recordings from tags that were attached to Florida manatees. Training will be provided to meet students at their experience level. This internship offers students an exciting opportunity to develop the necessary skills to use acoustic analysis software to find, document and measure spectral characteristics of somniferous species (ex. dolphins, manatee, and fish) and to learn to use sound data management practices.

7. **Sponsoring Organization: New College of Florida/Research Supervisor: Dr. Gerardo Toro-Farmer**

**Internship Description: Study of the effects of light quality on seagrass beds of Sarasota Bay**

**2 CCA student interns placed**

**June 1 – August 7, 2020**

Interns will participate in updating current seagrass coverage maps for selected Sarasota Bay areas using advanced remote sensing analysis and integrating such maps with a new dataset of light and water quality distribution maps. Initial maps for seagrass distribution in the Bay will be generated from the latest aerial images captured by the Sarasota and Manatee Counties. An array of low-cost autonomous sensors will be deployed to monitor spectral light availability and basic environmental variables to provide continuous high-temporal resolution measurements of spectral light to determine how light and water quality dynamics may be affecting the spatial distribution of seagrass beds observed with aerial images. One intern will primarily work on analyzing existing aerial images. The second intern will mainly be involved in the field deployment and validation efforts. Both interns will have the opportunity to participate in all activities and to learn about the different techniques and analyses needed for the execution of the project.

8. **Sponsoring Organization: Science and Environmental Council / Supervisor: Dr. Jennifer Shafer**

**Internship Description: Updating of the SEC Watershed Audio Tour**

**1 CCA student intern placed**

**May 27 – TBD**

The Watershed Audio Tour is a free 32-stop phone-based tour sponsored by the Science and Environmental Council (SEC). The tour is a significant environmental education resource designed to deliver watershed highlights and interesting facts and suggestions for easy ways to help protect watersheds. The intern will collaborate with SEC member organizations to update tour audio content and develop curated content and messaging to ensure consistent branding and presence of appropriate on-site signage. The intern



will have the opportunity to create a differentiating, highly engaging, environmental education resource for adults, children, and visitors in Manatee and Sarasota counties.

9. **Sponsoring Organization: Stocking Savvy / Supervisor: Sean Patton**

**Internship Description: Research regarding planting methods for floating islands  
2 CCA student interns placed**

**May 18 – August 24, 2020**

Interns will work as a team with Stocking Savvy's lead biologist to design, monitor, and research various planting methods for floating islands in local storm water ponds to improve water quality and attract biodiversity. Interns will develop knowledge of Florida's unique plant and animal life and will learn a variety of botanical and ethological skills and knowledge of aquatic plant horticulture, planting practices and ecosystem dynamics. Interns will assist staff in extensive community outreach, engagement and education conducted at the sites where the floating islands will be installed through workshops and "launch parties" when the islands are put in the lakes.

10. **Sponsoring Organization: Sunshine Community Compost / Supervisor: Tracie Troxler**

**Internship Description: Community education and engagement in composting, soil regeneration, and food waste reduction initiatives**

**1 CCA student intern placed**

**June 4 – August 26, 2020**

The intern will be engaged in activities which advance the Sunshine Community Compost's mission focused on educating the community about the benefits of composting, soil regeneration and the reduction of wasted food. The intern will have exposure to the delivery of zero waste program services and hands-on community composting. The intern will select a public education project to develop independently or co-create with SCC staff. Learning opportunities include strategically enhancing branding and improving existing outreach and education materials—displays, presentations, website—to increase public access to composting information and resources, and participation in programs.

11. **Sponsoring Organization: University of South Florida Sarasota-Manatee/Research  
Supervisor: Dr. Christelle Bouchard**

**Internship Description: Study of the biodiversity of microfauna in the Sarasota Bay  
2 CCA student interns placed**

**June 22 – August 10, 2020/TBD**

Animals of interest for the project will be hydroid species (Hydrozoa; Cnidaria) smaller than 5mm. Students selected for this project will develop field and laboratory skills to



isolate, grow, and identify animals in the Sarasota Bay and learn how to collect, culture and preserve specimens as well as use keys for taxonomic identification. They also will become proficient in microscopy photography (stereomicroscope as well as a compound microscope).

12. **Sponsoring Organization: Marie Selby Botanical Gardens / Supervisor: Jeannie Perales**  
**Internship Description: Collaborating with MSBG professional colleagues to prepare exhibitions for display and travel. The intern should be enrolled preferably in a graduate program in museums studies, art history, biology, environmental studies or environmental education**

**1 CCA student intern placed**

**May 26 – August 11, 2020**

The museum intern will have experience with curation and interpretation of both natural history and fine arts exhibitions in a garden setting and will become familiar with museum standards and best practices. Responsibilities will include assisting MSBG professional staff in transitioning the galleries from the Dalí exhibition to the summer *Glass in the Gardens* exhibition in collaboration with Duncan McClellan Studio in St. Petersburg; preparing for the 40th annual juried photographic competition opening September 4<sup>th</sup>; participating in preparations for the annual fall Orchid Show; and assisting in coordinating arrangements to travel the Dalí exhibition to the Denver Botanical Gardens. The intern will also participate in research and preparation with MSBG staff for the spring exhibition opening February 2021.

### **CANCELED 2020 EDAP INTERNSHIPS**

13. **Sponsoring Organization: Alta Vista Elementary Title I School / Supervisor: Kelly McWilliams**

**Internship Description: Curriculum development and facilitation of learning for elementary students engaged in STEAM/environmental discovery project-based programs and for parents attending the Parent University program.**

**— 3 interns**

Alta Vista will provide interns with high-quality, experiential learning experiences with the Eagle STEAM Program and Parent University with the goal of fully integrating the interns into the culture of an elementary Title I school. Interns, in collaboration with experienced classroom teachers and school staff, will have the opportunity to contribute to the learning experiences of students and parents through the facilitation of the Eagle Academy's STEAM curriculum; the design and implementation of the new



student Environmental Discovery Project-Based Eagle STEAM Program curriculum; and the Environmental Discovery Parent Class.

Interns will gain experience in teaching children engaged in the highly successful STEAM curriculum and learning activities including robotics, computer programming and coding using 3D printers, and facilitate Escape Classrooms as well as activities that excite children to learn about their environment and to become passionate about the world around them.

**14. Sponsoring Organization: Gocio Elementary Title I School / Supervisor: Brittany Leavine**

**Internship Description: Curriculum development and facilitation of learning for elementary students engaged in STEAM/environmental discovery project-based programs and parents attending Parent University program — 2 interns**

Gocio will provide interns with high-quality, experiential learning experiences with the Eagle STEAM Program and Parent University with the goal of fully integrating the interns into the culture of an elementary Title I school. Interns will collaborate with master teachers and with community organizations and resources to develop, present and facilitate engaging curricula/activities for STEAM Summer Program including for the new Environmental Discovery Project-Based Program. Interns will facilitate STEAM learning activities for children in grades kindergarten through 5th grades and design and facilitate learning activities in collaboration with the STEAM Coordinator/internship supervisor and other experienced teachers for the Environmental Discovery Project-Based Program for children in the third through fifth grades and adults participating in Parent University. Interns will gain experience in teaching children engaged in the highly successful STEAM curriculum and learning activities including: robotics, computer programming and coding using 3D printers, and facilitate Escape Classrooms as well as activities that excite children to learn about their environment and to become passionate about the world around them.

**15. Sponsoring Organization: Lemur Conservation Foundation / Supervisor: Katie Virun**  
**Internship Description: Promotion of environmental awareness utilizing Ako**

**Conservation Education Program — 1 intern**

The intern will increase environmental awareness through community outreach and education utilizing the Ako Conservation Education Program based on six lemur-themed children's books designed to encourage environmental understanding and to connect students to nature. The intern will develop new education materials aligned with the seven conservation lesson plans for students in grades one through five and write age-



appropriate conversation themed scripts for presentations at local schools, libraries and special events. The intern will have the opportunity to directly observe the unique qualities of lemurs by shadowing highly experienced lemur keepers who care for 50 lemurs on the 130-acre reserve in Myakka City and to learn about LCF's extensive conservation programs.

**16. Sponsoring Organization: Manatee County Parks and Natural Resources Department / Supervisor: Sarah Denison**

**Internship Description: Environmental Education Intern — 1 intern**

The environmental education intern's primary responsibility is to assist with the development and implementation of environmental education curriculum and programming for the Manatee County Parks and Natural Resources Department's three summer adventure camp programs. The intern will have the opportunity to propose, develop, implement and document two to three interpretive environmental education activities which will serve as an ongoing contribution to the program. Additional responsibilities include attending volunteer workdays and helping to guide and inspire volunteers working with the preserves; assisting with public engagement and interpretation in the nature centers; contributing to the development of program marketing initiatives and administration of programs and events; and assisting with the care and feeding of education "Animal Ambassadors."

Anticipated learning outcomes include enhanced knowledge of interpretive communication techniques and public speaking; skill in curriculum design and delivery of environmental education programs; experience in teamwork, group management and leadership; knowledge of best practices in the design and management of summer camp programs for students ages 9 – 12.

**17. Sponsoring Organization: Mote Marine Laboratory / Supervisor: Kaitlyn Hofeldt**

**Internship Description: Education Specialist for the Mote Marine Summer Camps — 2 interns**

As Education Specialists, interns will develop, deliver, and evaluate marine science activities for Summer Camps for children/students ages 2 to 18. Interns will receive intensive and thorough training in marine science topics, education pedagogy and the work of Mote Marine Laboratory. The experience will enable interns to become more comfortable and confident teachers/presenters, to gain curriculum development experience, and to make valuable professional contacts for future scientific and/or educational endeavors. Interns may elect to participate in a one-week program in the Florida Keys assisting with snorkel/dive camp. The internship is an intensive 12 to 14-week commitment during which programs/activities take place in the classroom, Mote Aquarium, and in summer outdoor/marine environment settings.



18. **Sponsoring Organization: New College of Florida / Supervisor: Dr. Sandra Gilchrist**  
**Internship Description: PUSH/SUCCESS Program – learning facilitation, mentoring, program evaluation and grants management — 2 interns**

PUSH/SUCCESS is a two-week summer enrichment program held at New College targeting middle and high school students from Sarasota and Manatee Counties. The program is designed to stimulate, cultivate and nurture, underserved, disadvantaged, rural, urban, and 1<sup>st</sup> generation students interested in pursuing STEM professions, especially those relating to environmental science. Two interns work as a team with the internship supervisor/Professor of Biology and Marine Sciences to finalize activities for the program which facilitate students' exploration of various aspects of environmental education. Interns serve as mentors and facilitate student learning experiences through projects, excursions and activities. Interns participate in program evaluation and assist with the completion of grants reports.

19. **Sponsoring Organization: Save Our Seabirds / Supervisor: Jocelyn Shearer**  
**Internship Description: Avian rehabilitation, conservation, education and support services — 1 or 2 interns**

This internship will be a robust, hands-on experience in avian rehabilitation, conservation, education and support services supervised by highly acknowledged experts in this field. Intern(s) will closely shadow SOS employees and will assist in triage of sick and injured wild birds as well as feed prep/distribution, cleaning of habitats/public viewing areas, and participate in public interactions and events. Interns will complete independent study projects to be determined in consultation with their intern supervisor during the interview.