

General Meeting

3/1/22



Animal of the Week: Cookiecutter Shark (*Isistius brasiliensis*)

- Gets its name for how it preys (takes out round bites of fish, similar to a cookiecutter)
- Has been known to travel in schools
- Utilizes diurnal vertical migration
- Considered a facultative ectoparasite





Opportunities in Zoology

- Join AZA!
 - Resume builder
 - Keep up with all the recent news in the zoo world
 - Job postings
 - Connect with zoos all over the world
 - Get the Connect Magazine
- IBIO Hands on database!
 - Now is the time to look for summer internships!

IBIO Database

Wetland eDNA Technician

Detailed Position Description: An hourly technician position is available in the labs of Dr. Kim Scribner and Dr. John Robinson in the Department of Fisheries and Wildlife at Michigan State University. This is a temporary position for Spring and Summer 2022 and will involve field and lab work for an environmental DNA (eDNA) metabarcoding project in wetland habitats in Michigan, Indiana, and Ohio. The successful applicant will assist with metabarcoding database development (DNA extraction, sequencing from tissue samples), water sample collection and filtration in the field, eDNA extractions from filtered water samples, PCR amplification, and preparation for high-throughput sequencing. Research for this project will require some travel, including occasional overnight trips for field work in Michigan, Indiana, and Ohio. The start date for this position on or before **March 15, 2022**. Work would be part-time during the remainder of the spring 2022 academic semester and full-time (up to 40 hours per week) during the summer months. Extended employment beyond the summer is possible. Interested applicants should contact Dr. John Robinson (jdrob@msu.edu) or Dr. Kim Scribner (scribne3@msu.edu) with questions about the position. Please include a resume and cover letter with correspondence.

Desired Qualifications: Applicants with previous experience conducting field work in wetland habitats and knowledge of Michigan herpetofauna are strongly desired. Those with experience in laboratory settings including DNA extractions, PCR, and sequencing are encouraged to apply but previous experience in these areas is not necessary. Familiarity with database management including use of Excel and with the R computing software would also be desirable.

IBIO Database

The [Applied Behavioral Ecology Lab](#) of the Department of Fisheries and Wildlife at Michigan State University seeks full-time (40 h per week) temporary (April-Aug) research technicians to assist with research projects related to the behavioral ecology of invasive sea lamprey during their annual migration into Michigan streams. Projects in 2022 are focused on understanding how a chemical alarm cue (perceived predation risk) affects habitat selection and movement ecology. Our work is dually focused on creating new, high quality science that tests fundamental hypotheses about animal behavior and creating novel means to control the invasive population of sea lamprey in the Great Lakes. Research technicians will be engaged in running behavioral experiments in rivers, building and installing acoustic telemetry systems, surgically implanting telemetry tags, maintaining sensitive lab and field equipment, data collection and analysis, fish husbandry, and preparation of chemical stimuli. Our studies often take place overnight, as the species is nocturnal. Technicians will also have opportunities to interact with Federal (US and Canada) agency partners, stakeholders, and local residents. Technicians will be working from the MSU East Lansing campus and/or the United States Fisheries and Wildlife Services (USFWS) Ludington Biological Station. Housing is provided when overnight travel away from East Lansing is required. Transportation to field sites provided in laboratory vehicles from East Lansing. Hourly wage is \$12.

Desired Qualifications: Completion of two or more years of college-level coursework in fisheries, ecology, biology, or a related discipline. Applicants should exhibit a strong work ethic, be self-motivated, conscientious, enthusiastic, and capable of working in a team setting. Conditions in Michigan during spring-summer can be inclement (i.e., warm, humid and “buggy”). Applicants should be comfortable with working in these outdoor conditions, and able to work throughout the night. You must hold a valid driver’s license. Experience driving four-wheel drive vehicles in rough terrain and hauling / trailering is beneficial, but not required.

How to apply: In a single PDF, please provide a brief cover letter outlining your interest and suitability for the position, and an up-to-date CV. Please make sure to include: 1) your name; 2) a permanent mailing address; 3) telephone number; 4) email address; 5) education, including descriptions of relevant classes; 6) work or volunteer experience related to the job role; and 7) up to three references with contact information.

Email your application packet and any questions to Kandace Griffin at griff665@msu.edu. Application review will begin on **March 2** and continue until all positions are filled.

Interested in Eboard?

- Eboard positions will be opening up for the next school year!
- If interested, email msuzsa@gmail.com or talk to an eboard member after the meeting to start shadowing.
- Eboard elections will be held early April
- At least 4 positions will be available



Merch Update!

- Experiencing difficulties, may take longer than expected to get it



Check Out Our Social Media!

- Facebook: MSU Zoological Students Association
- Website: www.msuzsa.weebly.com
- Twitter: @MSUZSA
- Snapchat: @msu_zsa
- Instagram: msu_zsa or MSU ZSA
- Venmo: MSU ZSA



Current Global Crises Links and Ways to Help

Ukraine

- DONATE:
 - UNICEF: Protect children in Ukraine <https://www.unicefusa.org/>
 - International Rescue Committee: <https://www.rescue.org/>
- Support Ukrainian news outlets!! Prevent the spread of false reporting and propaganda and ensure that your news sources are unbiased
 - United Nations <https://www.un.org/en/>
 - Kyiv Post <https://www.kyivpost.com/>
 - BBC <https://www.bbc.com/>

Yemen

- DONATE:
 - UNICEF: <https://www.unicefusa.org/?form=HelpYemenChildren>
 - International Rescue Committee: <https://www.rescue.org/country/yemen>
 - United Nations Refugee Agency: <https://www.unhcr.org/en-us/>
- Spread the word!!

Democratic Republic of Congo

- DONATE:
 - United Nations Crisis Relief: <https://crisisrelief.un.org/drc-crisis>
 - UNICEF: <https://www.unicef.org/drcongo/en>
- Spread the word!!

These are just a few resources. There are lots of current humanitarian crises and it is important to be informed about. The more we can spread the word, the more help we can provide. It is also important to use trustworthy and bias free news sources to stay updated about these events.

UN Crisis Relief

<https://crisisrelief.un.org/>

UN Refugee Agency

<https://www.unhcr.org/en-us/>

Tonight: Dr. Hayes

