This email was sent to Shaoni Dasgupta. Biological Sciences major and Goldwater Scholarship winner.

I've been interested in research since high school, so this award is a testament to all the hard work I've put in over the years.”

This scholarship is a great honor,” said Dasgupta, who earned a Beckman Scholar honor in 2019. “I've been interested in research since high school, so this award is a testament to all the hard work I've put in over the years.”

Scientists have identified three possible gene sequences for a critical enzyme, carnitine acetyltransferase, that is involved in acetate metabolism. Dasgupta is using CRISPR-Cas9 gene gene editing technology to target these sequences in an effort to understand the pathogenesis of fungal meningitis in individuals with compromised immune systems.

Since her sophomore year, Dasgupta has been conducting research in the lab of Genetics and Biochemistry professor Kerry Smith on cryptic relationships within the fungal kingdom. Her work involves using genetic markers to assess the relatedness of different fungal species, with the goal of identifying novel and understudied fungal species that could be important for medicine, agriculture, or biotechnology.

The 2020 cast of Something Very Fishy. Image credit: University Relations

COVID-19: Q&A with virologists Matt Turnbull and Matt Koski

Kara Powder receives NSF CAREER award

Junior Faculty Receive Funding for Research

Biological Sciences PhD ’19 Kylie Smith works to restore the reefs of Islamorada

Biological Sciences Assistant Professors Kara Powder, Zhicheng Dou and Matt Koski.

Matt Koski receives NSF grant

Kara Powder receives NSF CAREER award

COVID-19: Q&A with virologists Matt Turnbull and Matt Koski

Saara J. DeWalt’s ongoing research on species-rich forests featured in journal Science

Zhicheng Dou’s collaborative research could pave way to therapeutic cure of global parasite

Matt Koski’s research featured as cover story in the Journal of Evolutionary Biology

Biological sciences junior Showni Dasgupta is a 2019 Goldwater Scholarship winner!

John Cummings receives 2020 Phil Prince Innovation in Teaching Award

Biological Sciences

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