

ERN Emerging Researchers National Conference in STEM



(<http://www.emerging-researchers.org>)

ERN Conference

February 22-24, 2018
Washington, D.C.

NAVIGATION

About the ERN Conference (<http://www.emerging-researchers.org/>)

Partners/Supporters (</partners-and-supporters/>)

Abstracts (<http://www.emerging-researchers.org/student-abstract-submission-process/>)

Travel Awards (<http://www.emerging-researchers.org/travel-awards/>)

Conference Registration (<http://www.emerging-researchers.org/conference-registration/>)

Exhibitor Registration (<http://www.emerging-researchers.org/exhibitor-registration/>)

Hotel Reservations (<http://www.emerging-researchers.org/hotel-registration-3/>)



VIDEO CONTEST AWARD WINNERS – 2018

2018 ERN Conference Video Contest* Award Winners

*Please review the Video Contest Rules and Disclaimer (<http://www.emerging-researchers.org/video2017-rules/>).

First Place

PTEROPODS

Kelvin Santana Rodriguez, University of Puerto Rico

This video presents a close up look at Pteropods which are holoplanktonic gastropods. The Thecosomata order have a calcareous shell of aragonite that can be very sensitive to changes in pH. This makes them ideal for studies on climate changes in open ocean waters due to anthropogenic effects.

Second Place

THE SOIL FOOD WEB

Maxwell Helmberger, Cornell University

A clay animation foray into the minute world of the soil food web, featuring a wide variety of microbes and animals.

Third Place

SERIES ELASTIC ACTUATORS (SEA)

Mark Jennings and Job Ramirez, University of Texas

This video demonstrates the concept of series-elastic actuators (SEAs) and how they are used in rehabilitation robotics.

Third Place

2016 MATERIALS SCIENCE AND ENGINEERING ANNUAL CLUB MEETING (BACTERIA-ENG): NANOPARTICLES EXCITATION

Gina Montes Albino and Abdiel Oquendo Cruz, University of Puerto Rico

When nanoparticles are irradiated with light, excitation occurs forming reactive oxygen species. With these reactive oxygen species, the destruction of the bacteria cell wall begins, reaching the DNA, ribosomes and proteins. The process culminates in the bacteria destruction.

Third Place

FEVERPHONE

Xiangkun (Elvis) Cao, Cornell University

FeverPhone is a smartphone based molecular diagnostics platform for point-of-care differential diagnosis of six common causes of acute febrile illness (namely: Dengue, Malaria, Chikungunya, Leptospirosis, Typhoid fever, and Chagas).

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Events/Opportunities (</resources/>)

Conference Materials (<http://www.emerging-researchers.org/2018-ern-conference-materials/>)

Plenary Session Videos (<http://www.emerging-researchers.org/ern-conference-plenary-session-videos/>)

PI/PD Meeting (<http://www.emerging-researchers.org/hbcu-upcrest-pipd-meeting/>)

Awards

ERN Conference Award Winners (<http://www.emerging-researchers.org/presentation-award-winners/>)

Conference Photos

ERN Conference Photo Galleries (<http://www.emerging-researchers.org/conference-photos/>)

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