

# A SEMINAR SERIES WITH HARTE

2022

**JUNE 2ND | 3PM- 4PM | HRI CONFERENCE ROOM 127**  
**(ZOOM MEETING OPTION AVAILABLE IN QR CODE LINK BELOW)**

**Dra. Sharon Z. Herzka, Dept. of Biological Oceanography, Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE)**

## **INSIGHT INTO THE DEEP-WATER REGION OF THE GULF OF MEXICO: A Perspective From Mexican Waters**

The seminar will briefly present the goals and products of the Gulf of Mexico Research Consortium (CIGOM), which is an ambitious multi-institutional (2015-2022) project funded by Mexico's Ministry of Energy Hydrocarbon Fund and the National Council for Science and Technology (CONACYT). Within the framework of CIGOM, the Herzka lab focused on the larval fish and communities of the deep water region of the central and southern gulf, and has been examining the role of mesoscale structures and transport processes on species' distributions and community structure. In addition, we have used stable isotope analysis of zooplankton to infer nitrogen sources throughout the gulf, to estimate the contribution of nitrogen fixation vs upwelled nitrate in supporting secondary production, and to build a gulf-wide isoscape that allows for the characterization of migratory fish feeding areas and migration.

### **MORE ABOUT OUR SPEAKER**

#### **Dra. Sharon Z. Herzka**



Dr. Sharon Herzka is marine ecologist at the Center for Scientific Research and Higher Education of Ensenada (CICESE). Her research focuses on fish and fisheries ecology, isotope ecology and Gulf of Mexico oceanography. A

graduate of UTMSI, her publications reflect national and international interdisciplinary collaborations with top-level institutions and include work with physical oceanographers, bird and marine mammal ecologists, molecular biologists, and bioinformaticians, among others. During the last ten years, most of her research has focused on the oceanography of the Gulf of Mexico, with an emphasis on larval fish community structure and dispersal as well as nutrient and carbon sources in the deep-water region (>1000 m) of the Mexican EEZ.



Parking permits are required on campus so visitors must reserve space online via [ParkMobile](#). Due to **limited seating**, online participation via **Zoom** is available seelink below.

**SCAN CODE FOR ZOOM MEETING LINK ▶**

For more information contact  
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