

## Poster #9

### External Features of Several Sexually Abnormal Fiddler Crabs, *Uca pugilator*

Enmin Zou

Department of Biological Sciences, Nicholls State University, Thibodaux, LA 70310

Like other brachyuran crustaceans, fiddler crabs, *Uca pugilator*, are normally gonochoristic and exhibit striking sexual dimorphism. Males are characterized by a pair of extremely asymmetrical chelipeds and a narrow abdomen while females typically have a pair of small, identical claws and a broad abdomen, which virtually covers the entire sternum. Recently I have discovered five sexually abnormal fiddler crabs, representing four different forms of sexual abnormalities. All these crabs were obtained from the Gulf Specimen Marine Laboratories, Inc. of Panama Florida. At present, it is still unknown whether there is an environmental etiology behind these sexual aberrations.

[em.zou@nicholls.edu](mailto:em.zou@nicholls.edu); Tel. (985) 448-4711