"The role of selection in the evolution of pipefish: insights from population genomics"

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Selection acts on phenotypes, but it is important to understand its effects on the genome to understand the relationship between selection and evolutionary change. The sex-role-reversed Gulf pipefish, *Syngnathus scovelli*, is an excellent species for studies of the genomic signatures of selection because they have a broad distribution, covering several different habitat types, and females experience strong sexual selection. In this talk, I will discuss how population genomics studies have helped elucidate the impacts of local adaptation, sexual selection, and genetic drift in populations of pipefish.

Here are some recent popular press articles about Sarah's work: