**Texas A&M University导师信息**

**Ping Chang**– The student will participate in a study of comparing high-resolution vs low-resolution model simulations of present and future climate conducted at iHESP. The focus will be on the understanding of how explicitly resolving mesoscale ocean features, including ocean fronts and eddies, in global climate models can have an impact on simulations of climate extremes and their response to climate change.

**Yige Zhang** – The student will study paleoclimate, paleoceanography and global biogeochemcial cycles using analytical geochemistry and geochemical models. The current research topics of our group are very broad, ranging from geochemical proxy development to ocean temperature and atmospheric CO2 reconstructions. I typically work with students around their own interest to develop their research projects.

**Shari Yvon-Lewis**– In my lab we study the role of the ocean in regulating atmospherically important trace gases. A variety of trace gases including halocarbons (e.g. methyl halides, trihalomethanes), nitrous oxide, carbon dioxide, and methane are both produced and degraded in the ocean. The distribution and strength of the various oceanic sources and sinks impacts the exchange of these gases between the ocean and atmosphere. Through ship-board measurements, laboratory studies and modeling, my research group examines the role/magnitude of oceanic influence on trace gases that are important in the atmosphere as stratospheric ozone depletors or greenhouse gases.