Join us for these special guest speaker presentations…free with your admission.

**July 15, 2017 - Science at sea - Life aboard an oceanographic research vessel**
Thomas Wilson, Stony Brook University. Learn about the high tech equipment scientists use to learn about the oceans, the floating laboratories where they do their work, and the interesting items they bring back. "Please touch" exhibits will include rocks formed by undersea hot springs and volcanoes, a foam cup crushed by and a glass sphere untouched by deep ocean pressure, pink sand from Bermuda, and magnetic sand from right here on Long Island.

**August 19, 2017 - Build an Underwater Zoo**
Steve Abrams, Stony Brook University: Meet with a local scientist and learn how to build and maintain your own underwater zoo using amazing local invertebrate creatures such as crab, shrimp, snail, anemone, cray fish, and insects. Come and discover more about marine and fresh water life on Long Island.

**September 16, 2017 - Life in a drop of water**
Darcy Lonsdale, Stony Brook University. Plankton includes all organisms (algae, animals, bacteria) that drift with ocean currents. They are unbelievably abundant and important within the marine environment. In fact, most of the earth’s biomass consists of plankton adrift in the oceans. Join us and meet a local marine zooplankton specialist to observe and learn about those wonderful and amazing organisms.

**October 21, 2017 - Choosing fish wisely**
Maureen Murphy, Stony Brook University. The story of mercury in the environment is complex. But the story is also fascinating in that mercury is a naturally occurring element. The story includes intriguing science on how mercury enters into the ecosystem and how it is transformed to more toxic forms by microorganisms, how it biomagnifies in the food chain, how that translates to levels of methylmercury in different fish species, and ultimately how it ends up inside of us. Meet with the project coordinator of The Gelfond Fund for Mercury Research & Outreach and learn about mercury cycles.

**November 18, 2017 - Mapping sea floor**
Roger Flood, Stony Brook University. What does the ocean floor look like? Haven’t we found everything on the sea floor already? What is bathymetry? Meet with a Marine geologist and get the answer to those intriguing questions and much more. Discover that the ocean floor is not completely flat and has many interesting features, some of which are completely different from those on land.

**December 16, 2017 - The 200-million-year-old arthropod that saves lives**
Justin Bopp, Stony Brook University: Learn about the fascinating life history and characteristics of the arthropod that has walked with dinosaurs: the American horseshoe crab. Horseshoe crabs have been used in the biomedical industry and have saved thousands of human lives. Come see and touch horseshoe crab molts.