The awarded funds were used to support our science cruise aboard the research vessel R/V Knorr during May, 2014 in the western north Atlantic ocean as participants in the WACS II research project. The funds were used to purchase various consumable supplies and pieces of equipment needed for the sampling and analysis of marine phytoplankton production (e.g., Whatman GF/F filters, methanol, pipets, etc). Funds were also for expended for travel to and from the port of Woods Hole, MA. I participated in this cruise along with two Millersville University students, Jeremiah Stone and Evan Ntonados. The list of measurements my group made is:

- Chlorophyll a concentration of filtered samples of seawater made by methanol extraction and fluorometry.
- Phytoplankton enumeration and species identification by microscopic analysis of preserved seawater samples.

One objective of this program was to give undergraduate marine science students experience in sea-going research aboard a large research vessel where they learn about sampling and analysis techniques and data collection at sea. Mr. Stone is currently working on the samples he collected on the RV Knorr cruise as part of his senior thesis project. He and Mr. Ntonados also
presented a seminar at the Earth Sciences seminar series during the fall 2014 semester describing their experiences aboard the RV Knorr cruise.