

## Presentation of MAR-ECO Students

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**Nationality:** American



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**Degree:** Masters

**Working title of project:** Trophic ecology of seven species of lanternfish (Family: Myctophidae) from the Northern Mid-Atlantic Ridge

**Supervisors:** Dr. Tracey Sutton

**Summary of Project:** Myctophids are numerically dominant in the mesopelagic and are a major player in deep-sea food webs. I will be examining the diets of seven species of myctophids collected on the 2004 *GO Sars* cruise. I will identify the major components of their diets as well as quantify each prey type by determining percent frequency, abundance and dry weight which will be used to determine the index of relative importance of each prey type. These data will be used to construct a deep pelagic food web and increase our understanding of nutrient cycling and trophic ecology of the Mid-Atlantic Ridge.