

## **Current Research**

### **1. Suboxic Environments – Black Sea**

The web sites for three recent cruises are at

[www.ocean.washington.edu/cruises/Knorr](http://www.ocean.washington.edu/cruises/Knorr)

[www.ocean.washington.edu/cruises/Knorr2003](http://www.ocean.washington.edu/cruises/Knorr2003)

[www.ocean.washington.edu/cruises/Endeavor2005](http://www.ocean.washington.edu/cruises/Endeavor2005)

The main focus at present is on the factors that control the relative importance of anammox versus denitrification.

Students on this project: Fuchsman, Kirkpatrick

### **2. Suboxic Environments – Trace Metal Redox Tracers**

The main focus at present is on comparing the distribution of redox tracers on particles and sediments in the oxic/suboxic/anoxic zones of the Black Sea with ancient sediments thought to be deposited under similar conditions. Can redox sensitive trace metals really be used to infer paleo depositional environments?

Past Students on this Project: Nameroff, Yigiterhan

### **3. Carbon Cycling in the Equatorial Pacific**

New and export production in the equatorial Pacific

Past Students on this Project: Dunne, Aufdenkampe

### **4. The Origin of Iron in the Equatorial Undercurrent**

The web site for our most recent cruise is found at:

[www.ocean.washington.edu/cruises/KiloMoana2006](http://www.ocean.washington.edu/cruises/KiloMoana2006)

Students on this project: Ossiander