

2003 Summer Student &amp; Minority Fellow Information Table

First	Last	Undergraduate School	WHOI Dept.	Sponsor (s)	Project Title	NSF (*)
Johanna	Mathieu	MIT	AOP&E	Al Bradley Chris von Alt	<i>A long range optical hydrothermal plume detector</i>	*
Nicole	Nichols	University of Massachusetts	AOP&E	Hanu Singh	<i>Improvements in coral density band analysis through CT scanning</i>	
Jordan	Pekor	Hofstra University	AOP&E	Hanu Singh	<i>Designing an LED lighting system for underwater photography</i>	
Tobyn	VanVeghten	University of Missouri-Rolla	AOP&E	Eugene Terray	<i>Measuring bottom stress in the presence of waves using an ADCP</i>	*
Derek	Cavatorta	University of Massachusetts	BIO	Michael Moore	<i>Friction of different ropes in right whale baleen: a potential strategy to reduce entanglement</i>	*
Pincelli	Hull	Duke University	BIO	Carin Ashjian	<i>The Distribution of Krill in the Southern Ocean</i>	
Stethanie	Jacobs	Brenau University	BIO	John Waterbury	<i>Identifying RubisCO in marine nitrifying bacteria</i>	
Suzanne	Kern	Colorado College	BIO	John Stegeman	<i>CYP1-like gene expression in <i>Ciona intestinalis</i></i>	
Whitney	Krey	Texas A&M	BIO	Stefan Sievert	<i>A study of genetic diversity of the sulfide-oxidizing <i>Bacterium Thiovulum</i> spp.</i>	*
Rebecca	Rogers	Swarthmore College	BIO	Mark Hahn	<i>Characterization of the oxidative stress response in zebrafish liver cells</i>	*
Allison	Shaw	Brown University	BIO	Michael Neubert	<i>Projecting the rates of spread in sex-structured populations</i>	
Elise	Zipkin	University of Michigan	BIO	Heidi Sosik	<i>Optical Properties at Martha's Vineyard Coastal Observatory (MVCO): Comparing in situ observations to remotely sensed data</i>	*
Ronald	Andrew	Salem State College	G&G	Jerry McManus	<i>North Atlantic deep water ventilation rate change during Heinrich events</i>	*

2003 Summer Student &amp; Minority Fellow Information Table

First	Last	Undergraduate School	WHOI Dept.	Sponsor (s)	Project Title	NSF (*)
Fabian	Batista	Humboldt State University	G&G	Ann McNichol	<i>The effect of different acid treatments on the radiocarbon age of sedimentary organic matter</i>	
Courtney	Fritz	University of Michigan	G&G	Daniel McCorkle	<i>Live benthic foraminifera from the Bering Sea- a calibration study</i>	
Deniz	Kazanci	University of Florida	G&G	Maurice Tivey	<i>Cleft segment magnetism study on the Juan de Fuca Ridge</i>	
Rosemary	Keefe	University of Nevada-Reno	G&G	Daniel Fornari	<i>Developing an integrated geographic information system (GIS) for analyzing multi-scalar data to understand submarine volcanic, hydrothermal, and tectonic processes along the East Pacific Rise</i>	*
James	Saenz	Boston University	G&G	Delia Oppo	<i>A 10,000 year benthic record of <math>\delta^{13}C</math> from the Northern North Atlantic: Proposed mechanisms of <math>\delta^{13}C</math> variability &amp; implications for reduced deep water formation during the Holocene</i>	*
Nick	Boekelheide	Carleton College	MCG	Jeffrey Seewald	<i>Carboxylic acids in subsurface waters: Carboxyl carbon exchange with carbon dioxide</i>	*
Margaret	Estapa	Carleton College	MCG	Maureen Conte	<i>A study of relationships between suspended &amp; sinking particulate organic composition in the mesopelagic ocean</i>	
Brian	Kile	Bates College	MCG	Chris Reddy	<i>The fate of Bouchard 120 oil on the Nyes Beach in Falmouth, MA: a study of preliminary oil weathering</i>	
Amanda	Roberts	Worcester Polytechnic Institute	MCG	Eric Hintsa	<i>Tropospheric ozone over the North Atlantic</i>	*
Kelsey	McDuffee	University of California-Irvine	MCG, G&G	Tim Eglinton John Hayes	<i>Rapid <math>\delta^{13}C</math> measurements of plant-wax derived n- alkanes in marine sediments</i>	*
Brooke	Douthitt	Butler University	MPC	Hauke Kite- Powell	<i>Ecological carrying capacity of Atlantic salmon net-pen farms: MOM 2.0 applied to Coastal Maine</i>	

2003 Summer Student & Minority Fellow Information Table

First	Last	Undergraduate School	WHOI Dept.	Sponsor (s)	Project Title	NSF (*)
Rachel	Hutchinson	SUNY- College at Cortland	MPC	Ann Mulligan	<i>Hydrologic estimates of groundwater flow into Waquoit Bay, MA</i>	*
Matthew	Littleton	Princeton University	PO	Robert Weller	<i>Modeling the upper ocean below the stratus cloud deck</i>	*
Lucie	Roa	Ensieta	PO	John Toole	<i>Super- &amp; sub-inertial variability over the continental slope south of Woods Hole</i>	
Katherine	Silverthorne	Southwestern University	PO	Steven Lentz	<i>Sea surface temperature changes across the Eastern Coast of the U.S. over the last 100 years</i>	
Amit	Bohara	Gustavus Adolphus College	USGS	Chris Sherwood	<i>Calibration of acoustic backscatter sensor data</i>	*
Kori	Newman	Smith College	USGS	Debbie Hutchinson	<i>Acoustic characteristics of hydrate mounds in the Mississippi Canyon, Northern Gulf of Mexico</i>	

**Department Codes:**  
**AOP&E= Applied Ocean Physics & Engineering**  
**B= Biology**  
**G&G= Geology & Geophysics**  
**MCG= Marine Chemistry & Geochemistry**  
**MPC= Marine Policy Center**  
**PO= Physical Oceanography**  
**USGS= United States Geological Survey**