

2005 Summer Student & Minority Student Fellow Information Table

First	Last	Undergraduate School	WHOI Dept	Sponsor	Project Topic	NSF (*)
Leslie	Goemaat	Carleton College	AOP&E	Britt Raubenheimer	<i>How to Get More than What You Paid for: Optimizing the Triton ADV</i>	
Christopher	Murphy	Franklin W. Olin College of Engineering	AOP&E	Hanu Singh	<i>Towards In-Situ Beacon Localization for Arctic Environments</i>	*
Megan	Jensen	University of Michigan	AOP&E	Chris von Alt	<i>A Field Guide to AUVs: A comparison of the specifications and performance parameters of current autonomous vehicles</i>	
Corinne	Hartin	Queens College/School of Earth and Environmental Science	AOP&E	Jim Ledwell	<i>Measuring ⁷Be to Determine Vertical Diffusivity in a Mode Water Eddy</i>	*
Yue	Li	Swarthmore College	AOP&E	Peter Wiebe	<i>Analysis of Biological and Physical Sources of Acoustic Backscattering in Continental Shelf Waters off the Western Antarctic Peninsula</i>	
Mattias	Cape	University of California, San Diego	BIO	Hal Caswell	<i>Fisheries, Uncertainty, and the Value of Information in Spatial Harvest Modeling</i>	*
Maya	Yamato	Princeton University	BIO	Darlene Ketten	<i>Anatomical Studies of Mysticete Hearing</i>	
Alexis	Jackson	Yale University	BIO	Lauren Mullineaux	<i>Trends in elemental uptake in juvenile <i>Mya arenaria</i> shells as an indicator of environmental conditions</i>	
Jennifer	Johnson	Swarthmore College	BIO	Simon Thorrold	<i>Life histories of the American Shad (<i>Alosa sapidissima</i>) inferred from transects of ⁸⁷Sr/⁸⁶Sr isotope and Sr/Ca ratios in their otoliths</i>	
Katie	Barott	Michigan State University	BIO	Mark Hahn	<i>Induction of the oxidative stress response in zebrafish</i>	*
Thiago	Parente Martins	Federal University of Rio de Janeiro (Brazil)	BIO	John J. Stegeman	<i>Substrate Specificities of CYP1Cs: a new P450 subfamily</i>	
Theresa	Black	Western Washington University	BIO	Deana Erdner	<i>Growth and grazing rates of <i>Protoperidinium</i> spp. (<i>Dinophyceae</i>) feeding on toxic and non-toxic phytoplankton</i>	
Yiang	Li	University of Rochester	BIO	Heidi Sosik	<i>Diffraction Pattern Sampling Applied to biological image classification</i>	
Byron	Pedler	University of New Hampshire	BIO	Chris Reddy	<i>Investigating Novel Halogenated Organic Compounds Bioaccumulating in Marine Mammals</i>	

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Brenna	Mahoney	Cornell University	BIO	Don Anderson	<i>Intra-population genetic variation of <i>Alexandrium fundyense</i> in the Gulf of Maine using microsatellite DNA</i>	
Sarah	L'Heureux	University of Delaware	BIO	Tim Shank	<i>Evolutionary Relationships of Deep-Sea Chemosynthetic Shrimp Revealed by Ribosomal 28S</i>	
Jennifer	Barry	Swarthmore College	G&G	Mark Behn	<i>Melting and Mantle Flow at Oblique Ultraslow-Spreading Ridges</i>	
Jacob	Walter	University of Colorado at Boulder	G&G	Ralph Stephen	<i>OSNPE Revisited: Seafloor Tilt and Compliance Corrections for Noise Reduction</i>	
Janelle	Homburg	Rice University	G&G	Glenn Gaetani	<i>An experimental investigation of high-temperature Fe isotope fractionation in the Fe/FeS systems</i>	*
Elizabeth	Mollo-Christensen	Colby College	G&G	Joan Bernhard	<i>Using Foraminifera to Study the Effects of Deep Ocean CO2 Sequestration</i>	*
Piyapa	Dejtrakulwong	Northwestern University	G&G	Laurent Montesi	<i>Characterization of Seismicity in Alaska/Aleutian Subduction Zone</i>	
Ratsirin	Supcharoen	Bowdoin College	G&G	Daniel C. McCorkle	<i>Radon Radiochemical Tracer for Groundwater Discharge into the Coastal Ocean</i>	
Kimberly	Popendorf	California Institute of Technology	MC&G	Ben Van Mooy	<i>Phosphatidylethanolamine as a Biomarker for Heterotrophic Bacteria</i>	
Erin	Bertrand	Bates College	MC&G	Mak Saito	<i>Vitamin B12 Biogeochemistry: Uptake in the Costa Rica Upwelling Dome</i>	
Sharon	Bone	Vassar College	MC&G	Matt Charette	<i>Role of a subterranean estuary as a source or sink of arsenic and mercury to coastal waters</i>	
Pamela	Barrett	University of Rochester	MC&G	Konrad Hughen	<i>Lipid Biomarkers as Recorders of Holocene Climate Variability</i>	*
Jessica	Bell	Wellesley College	MPC	Hauke Kite-Powell	<i>Quantifying the Effect of Oyster Aquaculture on Nitrogen Balance in Waquoit Bay</i>	
Laure	Katz	Stanford University	MPC	Porter Hoagland	<i>The sustainability of Reduction Fisheries in Light of a Growing Aquaculture Industry</i>	*
Hannah	Hiester	St. John's College, University of Cambridge	PO	Karl Helfrich	<i>The effect of rotation on a 2-dimensional shallow water system</i>	

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Megan	Jamison	Humboldt State University	PO	Jim Lerczak	<i>The Current and Salinity Structure of a Tidal Jet at the Mouth of the Merrimack River Estuary</i>	
Chrysanthi	Tsimitri	Aristotle University of Thessaloniki (Greece)	PO	Robert S. Pickart	<i>Arctic upwelling events at the shelfbreak of the Beaufort Sea</i>	
Solomon	Hsiang	Massachusetts Institute of Technology	PO	Jason Goodman	<i>Ozone Chemistry During Global Glaciations: A Possible Climate Feedback Theory and Models</i>	*
Ian	Stevenson	Rice University	PO	Jack Whitehead	<i>Turbulent Mixing in a Stratified Fluid</i>	*
Adam	Trescott	University of Vermont	USGS	John Crusius	<i>Mapping and quantifying submarine groundwater discharge in West Falmouth Harbor using 222Rn</i>	
Kelly	Doyle	Villanova University	USGS	Rob Thieler	<i>Piecing Together Sea-Level History: A look at sea-level change along the U.S. Atlantic margin during the late Quaternary period</i>	

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