Grants Awards:
Scott Glenn, Towards a Comprehensive Mid-Atlantic Regional Association Coastal Ocean Observing System (MARACOOS) NOAA, $96,152

Xming Guo, Genetic Marker-assisted Selection of Northeastern Har Clams for QPX Resistance, SUNY-Stony Brook, $36,530

Malin Pinsky, Assessing Marine Climate impacts in North America using Species Range Shifts and Climate Velocity, WHOI, $39,990

Malin Pinsky, Understanding the Impacts of Climate Change on the Distribution, Population Connectivity, and Productivity, NJ Sea Grant, $45,103

Scott Glenn, OOI Education and Public Engagement Implementing Organization/OOI EPE- Oper. & Maintenance Est. COL $98,872

Lisa Auermuller, They Had the Facts, Why Didn't They Act: Understanding and Improving Public Response to NWS Coastal. Nurture Nature Center $4,384

Xming Guo, Advancing Easter Oyster Aquaculture through Marker-assisted Selection, NJ Sea Grant, $53,573

Moonrise at sea, awesomene

April is University Promotions!!

April is a great month, as it is when faculty promotions are announced. Not surprisingly given the great people affiliated with Rutgers Marine Sciences we can claim three for three in 2014! Congratulations to Robert Kopp (Dept. of Earth and Planetary Sciences) and Joshua Kohut (Dept. Marine and Coastal Sciences) for being awarded tenure and being promoted to Associate Professors! Robert Kopp is a climate scientist, Earth historian, geobiologist, and energy policy “wonk” (his words!). Josh Kohut is a physical oceanographer applying new technologies opening up new avenues for utilizing, managing, and sustaining the oceans. We also salute the NOW Full Professor Costantino Vetriani who has his appointment in the Dept. of Biochemistry and Microbiology. His work has focused on the diversity, ecology and evolutionary relationships in deep-sea hydrothermal vents & cold seeps, and microbial adaptations to extreme environmental conditions. The growing strength, stature, and recognition of the great work of Rutgers reflects the excellence of Bob's, Josh's and Costa's great work!
Congratulations Jeremy Schreier for being named the 2014 outstanding marine science undergraduate for excellent work, studies, and all-round awesomeness!

Congratulations to Jeremy Schreier who has been awarded the outstanding undergraduate senior award. Jeremy was a Marine Science major in the School of Environmental and Biological Sciences at Rutgers University. He has consistently achieved the Deans List. His research has focused on communication between microbes. Specifically his work focused on how cellular sensing is related to the microbial biomass in the ocean and the specific chemistry associated with that communication. Jeremy worked in Prof. Kay Bidle's lab.

Celebrating great alumni of the Rutgers Marine Science Program. Checking up on Dr. Jay Cullen.

As our educational programs mature, the list of former students who have gone onto a wide range of successful careers has grown. This last year we initiated the first outreach efforts to our marine science Rutgers alumni. As part of that effort we will highlight over the coming year some of the diverse and exciting work of our great alumni. This month we highlight Dr. Jay Cullen who after leaving us with his PhD has gone on to have an extremely successful career at the University of Victoria where he is currently a tenured Associate Professor. His group is focused on understanding the chemical speciation and fate of trace elements in the marine environment and how natural and anthropogenic environmental perturbations affect trace element biogeochemical cycles and vice versa. His work has been at the center of understanding the potential of radiation from the Fukushima nuclear reactor disaster in Japan might affect the west coast of North America. His research is multidisciplinary combining geochemistry, bioinorganic chemistry, microbial physiology and analytical chemistry. His research program is funded through grants from the Natural Sciences and Engineering Research Council of Canada (NSERC) and the Canadian Foundation for Climate and Atmospheric Sciences (CFCAS). His great works reflect well on our program and we are so proud that he is one of our alumni!

End of the 2013-2014 Antarctic field season

Each of the last 6 years Rutgers has anchored major field teams in the Antarctic at Palmer Station from October until April. These long efforts have been anchored by Rutgers Ph.D. graduate students that lead the field expeditions. A special thanks to Ana Filipa Carvalho and Nicole Couto for spectacular efforts over two years anchoring time series measurements in rough seas, glider deployments in ice and great work under extreme conditions.
Understanding future sea levels for New Jersey.

Rutgers scientists from the Institute of Marine and Coastal Sciences and the Department of Earth and Planetary Sciences have been looking to the past to understand our future here in New Jersey. Over the last few years Rutgers has assembled an international “Dream Team” of sea level scientists and they have been working to understand the past sea levels of New Jersey. Their recent work has shown that geological and historical sea-level records show a significant rate of increase in sea-level rise since the nineteenth century. In New Jersey, it is extremely likely that sea-level rise in the twentieth century was faster than during any other century in the last 4.3 thousand years. Accounting for regional and local factors, the teams projects sea-level rise in the mid-Atlantic U.S. most likely to be about 38-42” over the twentieth century, but possibly as high as 66-71”. This has large implications for the future generations and the infrastructure investments required to ensure the societal and economic strength of our great state in the future. The picture below is of core samples being collected by the Rutgers teams.

Congratulations Josh Kohut

During the University promotion process, Josh Kohut was recognized by the Rutgers Board of Trustees for excellence in Research and Teaching. The Board of Trustees fellowship will provide funds to his research account. The Board recognized his research on physical oceanographic processes in the coastal ocean that structures ecosystems. His approach of using new technologies allow him to characterize events lasting several hours to days on through inter-annual and decadal scales. The results of this research are rapidly translated to the public through his extension programs that actively assist the US Coast Guard, the New Jersey Department of Environmental Protection, the Environmental Protection Agency, and commercial fisheries. The Trustees also recognized his successful efforts to integrate these data streams into graduate and undergraduate studies. Well done!

Congratulations Jeena Drake

Congratulations to Jeena Drake who has been awarded a Sigma Xi Grant in Aid of Research. This award recognizes her critical research on the physical chemistry of coral calcification and the potential mechanisms by which ocean acidification may harm future reef systems.
GET YOUR RU OCEAN SWAG!!!!

Rutgers Oceanography teashirts have arrived for the Summer. Proudly wear the Rutgers Oceanography teashirts with funds being raised to host science socials for the undergraduate and graduate students. Teashirts go for $15 and will make you look athletic, smart, and dashing. Such a great deal for a great cause. Contact Sarah Kasule if interested (kasule@marine.rutgers.edu). To see the quality people your contribution would support check out our featured graduate students at http://marine.rutgers.edu/main/Featured-Student/.

Please help us enable Rutgers oceanography to support the next generation!

Rutgers oceanography needs your support to meet the environmental and educational challenges facing the world today. Your support is critical to enabling high risk and high reward research, developing students to be the leaders of tomorrow and bringing the public with our scientists into the ocean. Your private gifts will create new laboratories, student fellowships, endowments and feed ambitious new programs. Come join us!

New Publications


