



2002 SES Students

Jacqueline Adams
Ripon College

Allison Burce
Harvey Mudd College

Maureen Copeland
Allegheny College

Mary Dean
Ripon College

Gabriella Engelhart
Lafayette College

Laurie Fila
Mount Holyoke College

Jennifer Franklin
Wheaton College

Christopher Freeman
Connecticut College

Joshua Havassy
Haverford College

MoonKoo Simon Kang
Clark University

Jenny Kennedy
Clarkson University

Sarah Leahy
Wheaton College

Claire Leamy
Wellesley College

Joshua Lindell
Dickinson College

Rachael Roberts
Skidmore College

Alexandra Shea
Earlham College

Stephanie Stern
Wellesley College

William Webster
Trinity University

Julie Wright
Wellesley College



SES Program Prepares Next Generation of Environmental Scientists

Nineteen undergraduate students from 15 colleges and universities around the country are spending their fall semester studying environmental science at the MBL's Semester in Environmental Science (SES) program, hosted by The Ecosystems Center.

The goal of the SES program, now in its sixth year, is to help prepare the next generation of leaders in environmental science and policymaking. Virtually all of The Ecosystems Center's principal investigators and many of the support staff participate in the intensive 16-week program. Under the instruction of Center scientists, the students gain an interdisciplinary background in aquatic and terrestrial ecosystems science and attend lectures focusing on biogeochemistry, ecosystems modeling, and global change.

In addition, students spend a significant amount of time in the laboratory and field—20 hours each week—investigating forests, ponds, and estuaries on Cape Cod. They also participate in a science writing workshop that teaches them how to communicate science to the public; and in the Distinguished Scientist Seminar Series that features prominent research scientists from around the nation.

This year's SES students are currently working on their independent research projects at local field sites including the Falmouth Sewage Treatment Plant. Their projects culminate in a day-long public symposium to be held in the Lillie Auditorium on December 16.

For some students, the completion of the SES program does not end their affiliation with the MBL. To date, The Ecosystems Center has hired 15 SES graduates, either as summer research assistants, interns in the National Science Foundation's Research Experience for Undergraduates Program, teaching assistants, or full-time research assistants.



*"Chestnuts roasting on an open fire,
Jack Frost nipping at your nose,
Yuletide carols being sung by a choir..."*

All MBL employees and their families are invited to experience a new kind of MBL Holiday Party on Friday, December 13th from 4:30 to 7:30 PM. Come enjoy a festive atmosphere, with food and drink indoors (Starr, Loeb, Homestead and Ebert lobbies) and outside (on the Quad). We'll be popping corn, roasting chestnuts, grilling meats, drinking libations, and gobbling sweets. Some will dance, some will sing, all will enjoy!

Science News

From the Laboratory of Ayse Dosemeci...

Publication:

Tao-Cheng J. H., L. Vinade, L. D. Pozzo-Miller, T. S. Reese, A. Dosemeci. 2002. Calcium/calmodulin-dependent protein kinase II clusters in adult rat hippocampal slices. *Neuroscience* 115(2): 435-40.

From the Laboratory of Paul Colinvaux...

Paul Colinvaux was one of the three invited speakers at the 18th Annual Perspectives in Biology Symposium at Wake Forest University, November 8-9, 2002. This annual program is intended for biology faculty from colleges and universities in North Carolina and the surrounding region. Colinvaux's subjects were: "The Damage of False Paradigms: The Case of Amazon Refure Theory" and "The Human Niche and 'The Fates of Nations': An Essay in Ecological Experience."

OneCard Access Control System On-line

The MBL's new OneCard access system is now operational for the doors and elevator leading to the Library, the Library Computer Room (Lillie 204), the Central Microscopy Facility, and the seawater alarm system.

The new system will go on-line for other buildings (Whitman, Loeb, Swope, and Ebert Hall) by mid-December. You will be notified when access control for these buildings has been activated.

In the meantime, you must have your new access card if you wish to enter the Library, CMF, or Computer Room after normal business hours (5 PM to 8 AM). Please note that instead of swiping your new card, you can simply hold it within a few inches of the card reader to gain access.

If you haven't picked up your new card (or had your photo taken for your new card), please drop by the Digital Processing Center on the 2nd floor of the Lillie building at your earliest convenience. The DPC is open weekdays from 8 AM to 5 PM.

Message from the Equal Employment Opportunity Coordinator

Beyond Access: How Can We Help?

As the MBL moves forward with its strategic plan, it is clear that the Laboratory will grow in new and dynamic ways. That growth will most likely mean an increase in the number of people with disabilities working and living here. Today 17 million Americans with disabilities are of working age (16-64) and thousands of young people with disabilities are enrolled in colleges nationwide. What can we do to accommodate them?

The MBL is committed to removing physical barriers and providing ready access to all of its facilities. New buildings are designed in full compliance with the codes established by the Americans with Disabilities Act of 1990 (ADA). The MBL has an ongoing program, under the direction of Rich Cutler, to implement appropriate upgrades to existing buildings as needs are identified and funds become available. Many accommodations have already been made, and people with disabilities can now move freely around buildings that were once inaccessible.

However, no matter how well we prepare our facilities, what counts most is our attitude when we encounter someone with a disability. How prepared are you to interact with a co-worker, visiting scientist, student, or outside vendor who has a disability? Do you know how to communicate with someone who has a hearing impairment? Is it all right to say "see you later" to a visually impaired person? Do you pet guide dogs without asking permission from their owners? Have you ever seen someone in a wheelchair struggling and grabbed the chair to push it through a doorway? To help answer these questions, I have prepared a list of suggestions for assisting people with disabilities. Please contact me at x7378 if you would like a copy (or watch for it and other helpful information on the new web site when it goes live in the next few months).

—Jane MacNeil, eeo@mbl.edu

Gifts and Grants

The Commonwealth of Massachusetts awarded \$41,540 (over two years) for "The Nature Conservancy – Marine Biological Laboratory sandplain ecosystem restoration and conservation experiment." Christopher Neill is the principal investigator.

The Department of Energy awarded \$164,000 for "Human influences on forest nitrogen budgets and their implications for forest carbon storage." Jerry Melillo, Paul Steudler, and Knute Nadelhoffer are the principal investigators.

The National Science Foundation awarded \$699,939 for "The Arctic LTER Project: The future characteristics of arctic communities, ecosystems and landscapes." John Hobbie, Gaius Shaver, and Bruce Peterson are the principal investigators.

The Environmental Protection Agency awarded \$247,451 for "Regulation of embryonic neuronal development by chemical mixtures from Brick, NJ." Carol Reinisch is the principal investigator.

The Office of Naval Research awarded \$50,000 for the *Microbial Diversity* course. Caroline Harwood is the principal investigator.

The U. S. Department of Agriculture awarded \$89,934 (over two years) for "Isolation and characterization of factors regulated during larval competence and metamorphosis in the bay scallop, *Argopecten irradians*." Steven Roberts is the principal investigator.

Scientific Promotions

The MBL Board of Trustees approved the following promotions at their November meeting. Congratulations!

Edward Rastetter has been promoted to Senior Scientist in The Ecosystems Center.

Andrew McArthur has been promoted to Assistant Scientist in the Bay Paul Center.

Benefits Buzz

• *Open Enrollment for 2003* is underway.

The deadline for returning the health care election forms to Human Resources is **December 10, 2002**.

For the employees whose plans are changing to BC/BS HMO Blue New England or Blue Choice New England, please complete both the white 2003 Health Care Election form and the yellow enrollment worksheet in your BC/BS packet and include the Primary Care Physician (PCP) for each member on your plan.

• *The MBL Health and Benefits Fair* was a great success with more than 16 vendors and more than 150 MBLers. The following recipe was requested by several people at the Health Fair. Amy Clatanoff Brown, RD LDN, is happy to share it.

Refried Bean Dip

Preparation Time: 8 minutes

Cost per Serving: \$.18

Ingredients:

1 can (16 ounces) fat-free refried beans

1 can (4.5 ounces) chopped green chilies

1/2 tsp. ground cumin

1/2 tsp. garlic powder or minced garlic

1/4 cup chopped cilantro leaves

Mix all ingredients in a bowl until

blended. Let flavors blend before serving.

Keep refrigerated. Yield: 2 cups.

Nutritional Assessment: Per 2 tablespoons: 25 kilocalories, 2 gm protein, 5 gm carbohydrate, 1 gm fat, 1 mg chol, 139 mg sodium ADA Diabetic Exchanges: 1/4 starch/bread, 1/4 vegetable

Employee News

Please welcome the following new employees:

Lorraine Olendzenski, Postdoctoral Scientist, Bay Paul Center

Ruth Coburn, Lab Coordinator, Laboratory of Barbara and Bruce Furie

Robert Sabatini, Assistant Scientist, Bay Paul Center.

It's Not Easy Being "Green" — but it's worth it

Between gas and electricity, the MBL spends approximately \$1,000,000 annually. Gas and oil prices are predicted to rise again this winter. Higher gas and oil prices will translate into higher electric bills for the MBL.

Please remember to think "green" and conserve energy. Remember to shut off lights and equipment when you are not using them.

If you have questions, are experiencing problems with thermostats, or have other energy-related concerns, e-mail pom@mbl.edu.

MBL Gift Shop HOLIDAY SALE!

The MBL Associates Gift Shop will hold its HOLIDAY SALE from December 9th through December 23rd. Everything is 20% off (except for sale items).

NEW for the holidays: wooden ornaments, knot tying kits, ship-in-a-bottle kits, jigsaw puzzles, scented soaps, holiday gift cards and wonderful aprons featuring your choice of horseshoe crab or toadfish. We'll also have gorgeous new panoramic color photo/posters of Eel Pond and Water Street. We still have the new Woods Hole cookbook, our custom socks, stuffed animals, and a timeless collection of MBL clothing. Great gifts for a great cause!

December 2002 Calendar

Monday, December 2

Announcement of the Final Oral Examination for the Degree of Doctor of Philosophy
Kevin D. Kroeger, BUMP
Candle House 104/105, 10:30 AM

Tuesday, December 3

Ecosystems Center Seminar Series
"Modeling a population time series of the green turtle, *Chelonia mydas*"
Andrew Solow, WHOI
Whitman Auditorium, 12:15 PM

Wednesday, December 4

BUMP / MBL Seminar Series
Title TBA
Ivan Valiela, BUMP
CH 104/105, Noon

Monday, December 9

BUMP Research Discussion
TBA
Lisa Bonacci, MA Candidate
Loeb 32, Noon

Tuesday, December 10

Ecosystems Center Seminar Series
"Carbon sources for lake food webs: Results from whole lake C-13 additions"
Michael Pace, Institute of Ecosystems Studies
Whitman Auditorium, 12:15 PM

Friday, December 13

MBL Holiday Party
MBL campus, 4:30 -7:30 PM
(for details, see page 1)

Monday, December 16

BUMP Research Discussion
"Establishment of social dominance hierarchies in the American lobster, *Homarus americanus*"
Karen Morschauser, MA Candidate
Loeb 32, Noon

Monday, December 16

SES Student Research Symposium
Presentations begin at 8:30 AM in Lillie Auditorium
For a schedule, go to <http://courses.mbl.edu/SES/Symposium.doc>

Tuesday, December 17

Ecosystems Center Seminar Series
TBA
Mark E. Hines, University of Massachusetts Lowell
Whitman Auditorium, 12:15 PM

Wednesday, December 18

BUMP / MBL Seminar Series
"Components of larval transport: Larval behavior, accumulation, and cross-shelf advection"
Jesús Pinada, WHOI
CH 104/105, Noon

Thursday, December 19

MBL Carol Stroll
Led by Alan Kuzirian, the annual MBL carol stroll will take place on Thursday, December 19th, beginning at 3 PM in the Lillie Lobby (for warm ups) and ending in Starr Building for refreshments. All voices and instruments are welcome to participate. Music and lyrics will be provided. (But please bring your own jingle bells.)

Wednesday, December 25

MBL Holiday - Christmas

Thank you to those who took advantage of the off-season shuttle program which ended on Friday, November 22. The shuttle program will resume next spring.

Emergency Storm Closings

In the rare case that the MBL has to delay or cancel work before 8 AM due to weather conditions, the following radio stations will be notified by the MBL at approximately 5:30 AM: WCIB 101.9 FM, WMVY 92.7 FM.

We have no control over the actual announcement schedule, but expect the first announcements to be made at approximately 6 AM. Lab closings or delays in openings will usually be based on the anticipated weather conditions for 8 AM in Woods Hole and the condition of the MBL parking lots specifically. For information about MBL Operations Status, call (508) 289-7MBL.

Weather in your area may differ considerably. Therefore, on days when the MBL is open, but weather conditions are questionable, you must gauge your own safety risk based on these conditions. If you believe that conditions warrant no travel, you may exercise the MBL's liberal leave policy. All employees are required to notify their supervisor or the Human Resources Office if they are unable to report for work on a storm day.

Under the liberal leave policy, employees unable to get to work safely may take leave without pay or a vacation day (if the employee has sufficient accrued vacation time). MBL personnel are expected to report to work if conditions allow. All "Essential Personnel Category 1: Winter Storm Conditions" are expected to report for snow removal and clean-up.

