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**From the Dean**

As I look back, I couldn't have known a year ago on my first day as dean of the School of Health and Environment how deeply the school contributes to the community and how the community contributes to the school.



Our partnerships with clinical practices, community organizations, local schools and other universities allow us to provide students with valuable real-world experiences and research opportunities.

This is evident in many of the articles in this issue as well as in the students' projects presented at the UMass Lowell Student Research Symposium. The research topics range from evaluating H1N1 programs to identifying skin cancer and improving health and fitness in children. See "SHE Students Present Research," and contact student advisers for more information.

Faculty, staff, students and alums also extend our knowledge to society in many ways. We are re-training workers for green job opportunities, educating businesses about safer ways to do business and educating people locally and in other countries about disease prevention.

It's exciting that the School's expertise in safer chemical alternatives was recognized on a national level. Last week, the U.S. Senate confirmed Prof. Rafael Moire-Eraso as chair of the Chemical Safety Board, a federal agency charged with investigating chemical accidents. The Gulf oil disaster that is currently being investigated by the Chemical Safety Board is a vivid reminder of the importance of this work for a healthier future.

As we head into summer and the buzz of activity quiets down, I encourage you to learn what your colleagues, students, alumni and partners are working on and make contact to leverage each other's work. Be on the look out for our new SHE brochure that's intended to keep you all informed of how the school is growing.

All my best,

**Shortie McKinney  
Dean  
School of Health and Environment  
University of Massachusetts Lowell**

## U.S. Senate Confirms Moire-Eraso as Chair of Chemical Safety Board

UMass Lowell Prof. Rafael Moire-Eraso was confirmed by the Senate on June 23 to chair the U.S. Chemical Safety Board, an agency charged with investigating industrial chemical accidents.

A member of the faculty at UMass Lowell for 22 years, Moure-Eraso began his new position on Monday, June 28, when he led a public meeting to release findings from the Kleen Energy natural gas explosion that killed six workers on Feb. 7 in Middletown, Conn.

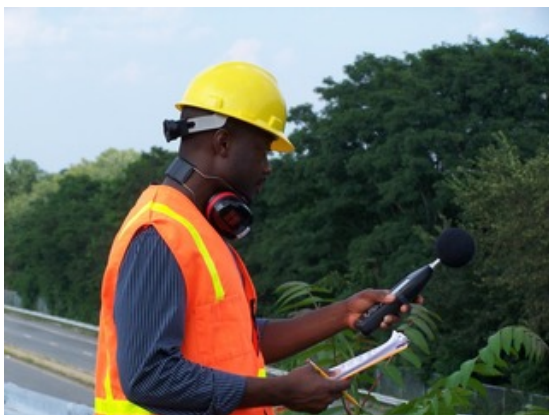
On Tuesday, Moure-Eraso attended a welcome reception hosted by President Barack Obama at the White House with other recent confirmed appointees.



"I am elated to take on this important role as chairman because the mission of the Chemical Safety Board to investigate root causes of chemical accidents to prevent future incidents, really sums up my life's work," said Moure-Eraso, who teaches prevention of work-related deaths and illnesses in the university's Work Environment Department in the School of Health and Environment.

[Read the Press Release.](#)

[Read the story in the Boston Globe about his nomination in April.](#)



## New Environmental Health B.S. Degree Fills Critical Need

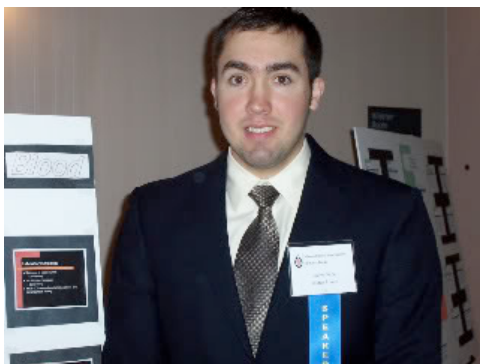
The Massachusetts Board of Higher Education approved a new Environmental Health bachelor of science degree program in the School of Health and Environment.

The one-of-a-kind program in the Northeast will begin September 2010, meeting a growing demand from the public health field. The Centers for Disease Control and Prevention estimates that half of current environmental health practitioners will retire within the next 10 years.

"This new environmental health program at UMass Lowell will offer a new generation of students an opportunity to learn skills that will help them tackle the world's toughest problems, many of which are preventable," says Assoc. Prof. Joel Tickner of the Department of Community Health and Sustainability, who led the development of the new program. "Our research and interviews showed that with the shortage of qualified professionals, students will have tremendous career options that will make a difference for all of us."

[Read the story in the Boston Globe.](#)

## Student News



**Aaron Stella** received the Clinical Labs Outstanding Grad Student award. He is a 2008 graduate of the Medical Technology program and is currently a teaching assistant in physiological chemistry labs while pursuing his PhD.

To educate children about how to prevent the flu, senior **nursing student Kaye Kenney** read to a kindergarten class in Goffstown, New Hampshire about the importance of clean hands. This community outreach and education was part of a service activity for the course Community Health and Health Policy.





**Conner Thorpe** presented a poster of his senior research at the 16th Massachusetts Undergraduate Research Conference at UMass Amherst in April titled "Investigation of Bacterial Antibiotic Resistance Mechanisms." The project team included two undergraduate students and two doctoral students. Conner's presentation was highly commended by three faculty members in the conference. In photo, Asst. Prof. Guixin He and Conner.

**Luz Marín, a doctoral student in Work Environment**, has been awarded an American Society of Safety Engineers Foundation Scholarship sponsored by Rixio Medina & Associates Hispanics in Safety Scholarship. Luz is a Research Assistant for Protección en Construcción: Lawrence Latino Safety Partnership, a project developed by researchers in the Work Environment Department in partnership with the Mayor's Health Task Force of the City of Lawrence, the Laborers Union Local 175, and JSI Research and Training Institute. Currently, Luz is designing a training program in cultural competency for construction supervisors.

**Randy Lai** has been selected to participate in the UMass Medical School Summer Enrichment Program, a tuition-free, four-week residential program for undergraduate sophomores and juniors interested in entering the health professions. The goals of the program are to help participants improve their qualifications and competitive standing for admission to professional, graduate and/or medical school.

**Tammy Nguyen and Randy Lai**, both Clinical Lab Sciences Medical Technology Students, were selected to **Who's Who Among Students**, one of the most highly regarded and long-standing honors programs in the nation. The awards recognize young adults who enhance the positive image of American youth through their contributions to community and school.

**Kendra French and Randy Lai** of Clinical Lab Sciences were inducted into the Omicron Delta Kappa National Honors Leadership Society.

Senior Medical Technology students presented posters at the Massachusetts Association for Blood Banks meeting in April -- **Tammy Nguyen, Jama Abdirizak, Navadha Patel, Vivian Lasnier, Melissa Zahralban, Bichuyen Le, and Keith Sickorez.**

Exercise Physiology and Physical Therapy clubs co-sponsored a session on **Eating Disorders and Sports** in April. The clubs also participated in a comedy night fund raiser for an Exercise Physiology student who lost his possessions in an apartment fire.

## Physical Therapy Students Teach Fourth-Graders About Healthy Living

Studies show that a child's readiness to learn and academic achievement are compromised by poor nutrition and lack of physical activity. To help combat this trend, UMass Lowell physical therapy students worked with the Abraham Lincoln Elementary School in Lowell to teach fourth-graders how to make healthy choices when it comes to nutrition, fitness and other aspects of their lives.

The UMass Lowell students designed lesson plans that integrate nutritional education and physical activity into the classroom. The goal is to provide children with a foundation to establish healthy lifestyles for the rest of their lives. James Knowles (right), Allison Locke and David Thu, doctorate candidates from UMass Lowell's Physical Therapy Program, piloted the curriculum, which included teaching students how to read food labels and the



importance of physical activity.  
[Read more of the ENews story.](#)

## SHE Researchers Contribute to Report on Cancer to President

In a recent report, an expert panel that advises President Barak Obama on cancer said that chemicals and other environmental and occupational exposures contribute significantly more to causing the deadly disease than previously thought. The President's Cancer Panel's recommendations are based on research from experts around the country, including Prof. David Kriebel and researcher Molly Jacobs -- both of the Lowell Center for Sustainable Production in the School of Health and Environment.

The panel advised Obama "to use the power of your office to remove the carcinogens and other toxins from our food, water and air that needlessly increase health care costs, cripple our nation's productivity and devastate American lives." The report noted that with nearly 80,000 chemicals on the market in the United States, many of which are largely unregulated, exposure to potential environmental carcinogens is more widespread than previously recognized.

[Read more of the ENews story.](#)



## Clinical Lab Students Win Poster Competition

A class of 24 students from the Department of Clinical Laboratory and Nutritional Sciences participated in the Annual Student Poster Competition sponsored by the American Society for Clinical Laboratory Science of Central New England.

The students developed posters as part of their Clinical Immunology course taught by Prof. Alease Bruce. Bringing home prizes were Ashley Chateauneuf and Rea Cabrera for their poster on Insulin Dependent Diabetes Mellitus (in photo). Krista Johnson, Ann Lucchesi and Michelle Morgan also were awarded prizes for their poster on Pemphigus Vulgaris.

The competition was held in Providence, Rhode Island where the students spent the day participating in workshops as new first time members.



## Nursing Workshop Inspires Lawrence High Students

The UMass Lowell's Nursing Department hosted a four-week workshop with 24 Lawrence High School students to raise awareness of nursing as a career option. The weekly one-hour sessions, along with visits to elementary and middle schools, are part of the Bring Diversity to Nursing program, which aims to attract and recruit diverse students to the nursing program.

The workshop gave the high school students first-hand nursing experience. For instance, during a workshop on neurological system evaluation, the students got into small groups to test each other's cranial nerves, reflexes and motor functioning, which involved the use of tuning forks, reflex hammers, vision cards and scents in bottles.

"These interactive classes help students understand the important and interesting tasks a nurse does beyond what they might see when they go for their checkups or visit someone in the hospital," says Lisa Abdallah, associate professor of nursing who also graduated from Lawrence High School. "The hands-on approach with the tools and exercises give students a real feel for all the ways that nurses help people, from assessment to providing nursing care."



[Read more of the ENews story.](#)

## High School Students Perform a DNA Extraction

Professional Technologist II Jackie Hodgdon collaborated with Lowell High School's Health and Bioscience Academy teacher Kathy Nardoni to develop an introductory college-level class for her high school students interested in clinical laboratory science.

The two-hour class began with an overview of a clinical laboratory scientist's job responsibilities and career options. Then with the assistance of UMass Lowell undergraduates Holly Andersen, Rhea Cabrera, Erica Derderian, Jennifer Nicoloro and Diane Nocco, the high school students performed a DNA extraction experiment using their own cheek cells and examined a variety of bacterial pathogens on media and under a microscope.

The session concluded with a quiz on material discussed during the class and prizes for the group that answered the most questions correctly. This was a great opportunity to introduce Lowell High School students to the university and clinical lab science as a career option.

## Environmental Leadership Recognized

Ahead of its time 20 years ago with the passage of the Toxics Use Reduction Act (TURA), Massachusetts continues to lead the nation in reducing use, waste and emissions of toxic chemicals. To recognize these accomplishments at the source, state environmental agencies and dignitaries visited Massachusetts companies to highlight and honor each for their performance and leadership.

The recognition of "TURA 20th Anniversary Leader" is being presented by the Toxics Use Reduction Institute at UMass Lowell, the Massachusetts Department of Environmental Protection and the Office of Technical Assistance.

"We always respected the connection between economics and the environment," says Michael Ellenbecker, professor of Work Environment at UMass Lowell and director of the Toxics Use Reduction Institute, as well as a contributor to the TURA legislation.

The following companies were recognized as environmental leaders:

- Allegro MicroSystems, Inc. Worcester
- Analog Devices, Wilmington
- A.W. Chesterton Company, Groveland
- Cape Cod Cooperative Extension, Barnstable County
- Churchill Coatings, Grafton
- Cobham Defense Electronics Systems, Lowell
- Ferraz Shawmut, Newburyport
- Gentex Optics, Dudley
- L & J of New England, Worcester
- Lightolier, a Philips Group Brand, Fall River
- MD Stetson, Randolph
- Millipore, Bedford\*
- Moreno Auto Body, Roxbury, and the Boston Public Health Commission
- PerkinElmer, Salem
- Raytheon Company, Waltham and Andover
- Skyworks Solutions, Woburn
- Vicor Corporation, Andover



*Cobham Defense Electronics Systems was one of 17 companies recognized. From left, Ralph Marrone, general manager of Cobham; State Senator Steve Panagiotakos; Bob Canedo of Cobham; and Mike Ellenbecker, Greg Morose and Liz Harriman - all of the Toxics Use Reduction Institute at UMass Lowell.*

For more information about specific accomplishments and photos, visit, [TURI's web site](#).

## Prof. Mawn Visits Mahidol University

Prof. Barbara Mawn, director of the PhD Program in Nursing, was a visiting professor at Mahidol

University in Bangkok, Thailand in March.

This fall a nursing/public health doctoral student from Mahidol University is planning to be the first international visiting student scholar in UMass Lowell's nursing department. She will work closely with Mawn, one of her dissertation committee members, on the development of her dissertation proposal.

While at Mahidol University, Mawn had the opportunity to present several special guest lectures on research to the doctoral students in the School of Public Health. She participated in their dissertation research seminars, providing advice and guidance on research design.



Mawn also visited public health students who were working in the rural villages during a six week on-site course. Students developed a community health promotion program after an extensive needs assessment living in the villages. Mawn had several formal meetings with the faculty of public health and nursing to develop a collaborative program for faculty and student exchanges in the future.

Mawn will be at Queens University in Belfast, Ireland in May for another international visiting professorship.

*Mahidol University Welcomes Prof. Mawn, pictured front/center.*

## Governor Salutes Green Job Training Program

Gov. Deval Patrick met with participants of JFYNetWorks' Weatherization Technician Training Program, an initiative launched on the UMass Lowell campus thanks to a \$200,000 "Pathways out of Poverty" state grant.

JFYNetWorks and The New England Consortium (TNEC) at UMass Lowell have teamed up to provide training to help low-income workers capitalize on employment opportunities in the Commonwealth's growing clean energy sector.

[Read more of the ENews story.](#)



*Chancellor Marty Meehan, right, talks to Gov. Deval Patrick, middle, and Gary Kaplan of JFYNetWorks.*

## SHE Students Present Research

The following School of Health and Environmental students presented 16 projects at the UMass Lowell Student Research Symposium in April:

### **Michael Anderson, James Knowles, David Thu**

Physical Therapy

*Normative Data and Gender Differences in Grip Strength Using the Jamar Dynamometer*

Advisor: Erica Lewis

### **Kyle Coffey, Megan Williams, Eric Reger**

Physical Therapy

*Transitional Changes in Chest Wall Motions from Rest to Exercise in Patients with COPD: A Review and Clinical Implications*

Advisor: Sean Collins

### **Courtney Ford, Allison Locke**

Physical Therapy

*Reliability of Videotaping Methodology for Measuring Infant Activity: Pilot Study*

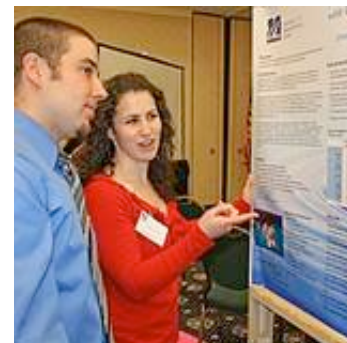
Advisor: Linda Kahn D'Angelo

### **Allison Geissert**

Nursing

*Evaluation of the Effectiveness of the H1N1 Flu Vaccination Program*

Advisor: Juliette Shellman



**Christine Hannus, Ryan Noon**

Physical Therapy  
*Aquatic Therapy for Children with Cerebral Palsy*  
Advisor: Deirdra Murphy

**Srikanth Kakumanu**

Clinical Laboratory and Nutritional Sciences  
*Differences Between Nano-Emulsions Generated by Self Assembling Nano-Emulsions (SANE) and Microfluid*  
Advisor: Robert Nicolosi

**SwethReddy Kambalapally**

Clinical Laboratory and Nutritional Sciences  
*A Comparison of In Vitro Cellular Toxicity Between Camium Selenie and Indium Phosphide Quantum Dot*  
Advisor: Robert Nicolosi

**Elizabeth Kotyla**

Nursing  
*FitKids An Interactive Health Awareness Program to Improve the Health and Fitness of Children Aged 9 to 10 years: An Epidemiological Study Design*  
Advisors: Lisa Abdallah, Charles Cappetta, Thomas Wilson

**Jocelyn Lilly**

Nursing  
*Dental Health and Awareness for Children in Ghana*  
Advisor: Juliette Shellman

**Jaclyn Netishen, Joyanna Currie-Santulocito, Lisa Marchese**

Physical Therapy  
*Environmental Perceptions and Physical Activity of College Students on an Urban Campus*  
Advisors: Cynthia Ferrara, Deirdra Murphy

**Daniel Nolan, John Resteghini**

Physical Therapy  
*Normative Data of Carpometacarpal Joint of the Thumb Range of Motion*  
Advisor: Joyce White

**Anoop K. Pal**

Biomedical Engineering and Biotechnology Program, Work Environment, Plastics Engineering, University of Maryland College Park School of Public Health, Clinical Laboratory and Nutritional Sciences  
*Screening for Oxidative Damage of Engineered Nanomaterials: Why Use of DCFH has Limited Utility*  
Advisors: Dhimiter Bello, Bridgette Budhlall, Donald Milton, Eugene Rogers

**Alana L. Runge**

Physical Therapy  
*Measuring Disability in Patients with Congestive Heart Failure: Incorporating the International Classification of Functioning, Disability and Health Model*  
Advisor: Sean Collins

**James Sanderson, Michael Sheehan**

Physical Therapy  
*Quantification of Activity During Physical Therapy Treatment in the Acute Rehabilitation Setting*  
Advisor: Gerard Dybel

**Stefanie Satryb, Thomas Wilson, Samar Belgacem, Elisa Knapic, Kelli Locke, Erin Mizzone Nursing**

*Skin Cancer Knows No Age*  
Advisor: Valerie King

**Joseph Tolland, Caitlin Tassone, Elizabeth Chang**

Physical Therapy  
*Reliability and Validity of Two Methods of Measuring ROM of the CMC Joint of the Thumb*  
Advisor: Joyce White

[Read the ENews article about the event.](#)

## Students Land Internships with Help of Stimulus Funds

Students Amanda Murray and Alexander Asiedu Gyebi received a student research supplemental grant awarded to Prof. Craig Slatin, chair of the Department of Community Health and Sustainability. The National Institute of Environmental Health Sciences awarded the grant with funding from the American Recovery and Reinvestment Act.

As research interns, Murray and Gyebi will work on two projects conducted by Prof. Susan Woskie, researcher Susan Shepherd and Asst. Prof. Maria Brunette - all of the Work Environment Department. Both research projects address the health and safety needs of building trade workers.

[Read more of the ENews article.](#)



*Craig Slatin, Susan Shepherd, Amanda Murray, Maria Brunette and Alexander Asiedu Gyebi.*

## Presentation on Bacteria Intrigues Students

Nancy Goodyear, Assistant Professor in Clinical Laboratory and Nutritional Sciences, gave a presentation at the Museum of Science in Boston titled "Surrounded by Microbes: Staying Healthy in a World of Bacteria and Viruses." The audience consisted of more than 250 high school students from all over Massachusetts and their science teachers.

The students learned about the profession of clinical laboratory science, how bacteria are identified, the difference between good and bad bacteria, and how to prevent food-related infections. The high school students were particularly impressed with a video clip showing the bacteria left on a kitchen cutting board after handling raw chicken. The presentation was part of the Museum of Science's annual High School Science Series.



*Nancy Goodyear talked to high school students and their science teachers about bacteria and viruses.*

## Trainers Bring Expertise to Gulf of Mexico

As the devastating environmental effects of the Gulf of Mexico oil disaster continue to mount, numerous agencies and thousands of individuals have volunteered to help with the cleanup. Among them are two worker safety experts from UMass Lowell, whose skills are well-suited to the need.

David Coffey and Jimmy Smith are trainers at The New England Consortium, which provides health and safety training to workers in the region. Based in UMass Lowell's School of Health and Environment, the program is a collaboration with the National Institute of Environmental Health Sciences (NIEHS).

[Read more of the ENews story.](#)



*From left, David Coffey with TNEC; Isscher Nichols, safety trainer with the Petroleum Education Council; and Jimmy Smith, adjunct trainer with TNEC.*

## Read All About It

School of Health and Environment professors are often called upon by the media to offer expert opinions on topics. Here is a sampling of recent articles:

TIME Magazine -- [The Perils of Plastic: Environmental Toxins](#), April 1, 2010 -- Assoc. Prof. Joel Tickner is quoted on page 4 of the Toxics Plastics section.

Bedford Journal -- [Panel: 'Green' creates jobs](#), April 23, 2010 -- Prof. Craig Slatin, a panel member at the Bedford Democratic's presentation on green jobs, was quoted in this article.

Christian Science Monitor -- [How are spitting cobras so accurate?](#) -- Assoc. Prof. Bruce Young of Physical Therapy discusses his research that was published in the May 14 issue of Experimental Biology.

## Faculty and Staff News

### Publications

Medina F, Escolar-Reina P, Gascon-Canovas JJ, Montilla-Herrador J, Jimeno-Serrano FJ, Collins SM. **Predictive factors of adherence to frequency and duration components in home exercise programs for neck and low back pain: an observational study.** BMC Musculoskeletal Disorders 2009; 10:155, doi:10.1186/1471-2474-10-155

Escolar-Reina P, Medina F, Meseguer AB, Gascon-Canovas JJ, Montilla-Herrador J, Valera-Garrido JF, Collins SM. **Self-Management of chronic neck and low back pain and relevance of information provided during clinical encounters: an observational study.** Archives of Physical Medicine & Rehabilitation 2009; 90: 1734-1739

Collins SM. Occupational Factors, **Fatigue and Cardiovascular Disease.** *Cardiopulmonary Physical Therapy Journal.* 2009, 20(2):28-31

Futrell, M., Melillo, K.D., & Remington, R. (2010, February), **Evidence-based guideline: Wandering.** Journal of Gerontological Nursing, 36(2),16.

Dr. Miki Patterson's dissertation manuscript **Adolescents experience with traumatic injury and orthopedic external fixation: Forever changed**, May/June issue of Orthopaedic Nursing Journal.

Howard EP, Rickles NP, Nannini A, Harvey R, O'Neil-Pirozzi TM, Kirwin J, Lowe S. (2009, Winter). **Establishing an interdisciplinary geriatric education center.** J Allied Health. 38(4), 125-30.

Zhang Z, Macaluso M, Cohen B, Schieve L, Nannini A, Chen M, Wright V; for the Massachusetts Consortium for Assisted Reproductive Technology Epidemiologic Research (MCARTER). (2009, December online) **Accuracy of assisted reproductive technology information on the Massachusetts birth certificate, 1997-2000.** Fertility and Sterility. DOI: 10.1016/j.fertnstert.2009.10.059

Greg Morose of the Toxics Use Reduction Institute and Sammy Shina of UMass Lowell published an article along with Robert Farrell of Benchmark Electronics in the April issue of the Journal of Cleaner Production, [Supply chain collaboration to achieve toxics use reduction.](#)

Sujit Jain, Sumedh P. Surwade, Srikanth Rao Agnihotra, Vineet Dua, Pamela A. Eliason, Gregory J. Morose and Sanjeev K. Manohar, **Green chemistry synthesis of nanostructured poly(2,5-dimethoxyaniline)**, Green Chemistry. Assoc. Prof. Sanjeev Manohar of chemical engineering and his research team published an article on research that was partially funded by the Toxics Use Reduction Institute at UMass Lowell. The research demonstrated a new, greener method to produce conductive polymers using less toxic materials. These conductive polymers have many applications, including as a surface finish for printed circuit boards.

### Awards



The Graduate Student Organization recognized Prof. Alase Bruce with the University's Outstanding Graduate Faculty Award. Student Aaron Stella, left, received the Outstanding Graduate Student Award.



May Futrell, professor emerita of the University of Massachusetts Lowell, was recently honored with the Living Legend in Massachusetts Nursing award by the Massachusetts Association of Registered Nurses. She was recognized for her years of improving nursing care for older adults.

Assoc. Prof. Lisa Abdallah was awarded the Faculty Appreciation Award at the First Annual University of Massachusetts Lowell Faculty Development Conference for Presentation in the Technological Innovations In Pedagogy Track. She also received the Faculty Recognition Award at the National Student Athletes Day Award Ceremony.

The Work Environment Student Association selected Prof. Laura Punnett with the 2010 Teaching Excellence Award.

Lowell Center for Sustainable Production researcher Molly Jacobs and adjunct professor Dick Clapp have been awarded \$5k from the Jennifer Altman Foundation "to support the remarkable work you have done and continue to do on environmental cancer issues." This unsolicited contribution is a testimonial to the widespread impact that Clapp and Jacob's work is having on efforts to reduce production and use of cancer causing chemicals.

## Projects

Asst. Prof. Peggy Knight of Nursing participated in the University's continued efforts to promote diversity. She was part of a five-person group who attended a Clemson University meeting designed to present and share strategies to close the "achievement gap" that exists between black students and their counterparts. [Read more of the ENews article.](#)

Prof. Mary Elizabeth Hooker of Clinical Labs and Nutritional Sciences served as a judge in the field of biology and the subfields of botany, microbiology, ecology, and evolution at the 2010 Massachusetts Region IV Science Fair at Somerville High School. The top 43 projects received over \$5,000 in awards. Members of the Department of Clinical Laboratory and Nutritional Sciences contributed \$270 toward this year's award total. The competition served as a qualifier for the Massachusetts State Science and Engineering Fair that was held in April at M.I.T.

## Appointments

The National Academy of Sciences has selected Prof. David Wegman to serve on the Committee on Human-Systems Integration (COHSI), a standing committee of the National Research Council, an arm of the National Academy of Science. The COHSI provides new perspectives on the relationship of individuals and organizations to technology and the environment. Areas covered by the Committee include human factors engineering, physical ergonomics, training, occupational health and safety, health care, product design and macro-ergonomics.

Prof. and Chair Kay Doyle has been appointed to the Ethics Review Committee for the American Society for Clinical Pathology Board of Certification, Chicago, IL.

## Presentations

Prof. and Chair of Physical Therapy Sean Collins spoke at the Lowell General Hospital Cardiovascular Nursing Conference on **Exercise for Patients with Chronic Heart Failure: Increasing Functional Capacity.**

Sean Collins and Konrad Dias, UMass Lowell Physical Therapy Alumnus and Associate Professor of Physical Therapy at Maryville University in St, Louis, gave an education session on the **Systematic Evaluation of Endurance Impairments: Reversible and Irreversible Components** at the American Physical Therapy Association Combined Sections Meeting in San Diego.

Assoc. Prof. Maria Brunette presented at the First National Summit on Latino Worker Health & Safety in Houston in April.

Susan Woskie and faculty from the Plastics Engineering were invited speakers at an all day **Bisphenol An Informational Event** sponsored by Nypro, a specialty plastics manufacturer in Clinton, Mass. Prof. Woskie presented on the health issues related to Bisphenol A (BPA), a chemical used in some plastics like polycarbonates and in epoxy resins used to line food cans. The engineering faculty presented on BPA chemistry and applications as well as the utility and alternatives to polycarbonates.

Dhimiter Bello and Susan Woskie presented **Exposure assessment of nanomaterials: bridging the gap between research and IH practice** to the New England Section of the American Industrial Hygiene Association.

Prof. Garry Handelman gave a D'Youville Senior Manor on **Prevention and Diagnosis of Type2 Diabetes in Seniors.**

Garry Handelman delivered an invited lecture **New Insights into Vitamin C in Kidney Disease**, at the International Congress of Renal Nutrition and Metabolism, Lausanne, Switzerland in May.

Patrick Scollin, associate professor Community Health and Sustainability, presented a paper **Blended Learning: The Bridge between Online Learning and the Face-to-Face Classroom** at the 28th International Nursing Technology Conference in Baltimore.

Alase Bruce presented the poster **A Pedagogical Approach to New Technology Introduced into a Classroom: The Lecture Capture System** at the First Annual Faculty Development Conference.

Kay Doyle presented **The Merger of the American Society for Clinical Pathology Board of Registry (ASCP BOR) and the National Certification Agency (NCA): Implications for the Profession** at the Massachusetts Association for Blood Bank meeting in April. This merger has resulted in one Board of Certification for the Medical Laboratory Profession worldwide. Since the early 1990s, Kay has served on various national committees and the Board of Governors for the ASCP Board of Certification.

Asst. Prof. Valerie King spoke on a panel sponsored by the Honors program entitled: **Shine a Light on Haiti: Spectrum of Challenges, Spectrum of Solutions** at UMass Lowell.

Asst. Prof. Simons spoke on a panel at the 9th annual spring conference, **Lateral Violence in the Workplace: Reflections on Lessons Learned**, sponsored by the Massachusetts Association of Registered Nurses.

Assoc. Prof. Juliette Shellman presented **CARELINK: A University-Home Health Agency Partnership Model of Care for Homebound Older Adults** at the Home Care Alliance of Massachusetts 2010 Spring Conference & Trade Show.

Teter C., Melillo S., Onger D., Coakley C., & Knight M. presented **Pronounced and Sustained Tachycardia Associated with the Use of Atypical Antipsychotics During Inpatient Hospitalization** at the College of Psychiatric & Neurologic Pharmacists Annual Meeting.

Lisa Abdallah presented **The Use of Multiple Technologies (Apresso Course Capturing System, Personal Response Clicker System and a Blackboard Course Management Site) to Support Teaching and Learning in a Large Lecture Based Course** at the First Annual University of Massachusetts Lowell Faculty Development Conference in Lowell and at St. Anslem College's 18th Annual Conference for Nurse Educators: Nursing Education: Best Practices.

Remington, R. presented **A vitamin/nutriceutical formulation that improves memory and cognition in adults** at the Rosalie Wolf Interdisciplinary Geriatric Healthcare Research Center, UMass Medical School.

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