Please join me in congratulating Prof. Maciek Antoniewicz on being selected as the 2012 recipient of the Gerard J. Mangone Young Scholars Award. The award is given to a tenure track assistant professor at UD who has shown extraordinary distinction through research and publications, especially where such research benefits teaching and the academic program. Prof. Antoniewicz's selection recognizes his development of a leading research group in the areas of systems biology and metabolic engineering, and his propagation of the methods and concepts used and developed there into key areas of our teaching program, most notably senior lab. Congratulations Maciek!

The 2012 Fall semester starts on Tuesday, August 28th at 8:00am!

Colburn Lab Building Fall Hours:
For the Fall session, Colburn Lab will be locked as follows:

- Monday through Thursday at 10:00pm all exterior doors except the one facing Drake Hall. The Drake Hall entrance will be locked at midnight.
- Friday at 5:00pm all exterior doors except the one facing Drake Hall. The Drake Hall entrance will be locked at 9:00pm.
- Saturday and Sunday only the exterior door which faces Drake Hall will be unlocked from noon to 8 PM. All other exterior doors will remain locked unless otherwise requested for a special event.

CBE In the News:
- Catacel Appoint J. Gary McDaniel As New CEO
- Prof. Feng Jiao recently had a paper highlighted as the cover story in Chemical Communications.
  http://pubs.rsc.org/en/content/articlelanding/2012/cc/c2cc90301f

Future Department Events:
- Department Seminar
  Nitash Balsara, University of California, Berkeley
  Friday, September 7, 2012 at 10:00am
  102CLB
  "Nanostructured Block Copolymers for All-Solid Lithium Batteries"

Other UD Events:
- One Health Symposium
  Wednesday, August 22nd at 9:00am
  Townsend Hall Commons
  Flyer Attached

  Over 10,000 UD students will use i-clickers in classes this fall.
  Watch Clickers in a Nutshell to find out why.
  It's not too late to add them to your teaching toolbox!
  Sign-up for our Back to School Sail on August 21st, or contact ats-info@udel.edu to set-up a 1-on-1 consultation

Jobs/Recruiting:
Available positions can be found on the Chemical & Biomolecular Engineering opportunity website (http://www.che.udel.edu/biz/Oppindex.html), so be sure to check it regularly.
Nitash P. Balsara is a Chemical Engineer with a bachelor's degree from the Indian Institute of Technology in Kanpur, India in 1982, a master's degree from Clarkson University in Potsdam, New York in 1984, and a Ph.D. from Rensselaer Polytechnic Institute in Troy, New York in 1988. He did postdoctoral research at the Department of Chemical Engineering and Materials Science at the University of Minnesota and at the Exxon Research and Engineering Company in Annandale, New Jersey. In 1992, he joined the faculty of the Department of Chemical Engineering at Polytechnic University in Brooklyn, New York. He was promoted to Associate Professor in 1996 and Professor in 1998. In 2000, he moved to the Department of Chemical Engineering at the University of California, Berkeley. He was also a Faculty Associate Scientist at Lawrence Berkeley National Laboratory (LBNL). In 2007, he founded Seeo Inc., a battery start-up in Berkeley, California. In 2009, he was promoted to a Faculty Senior Scientist at LBNL.

“Nanostructured Block Copolymers for All-Solid Lithium Batteries”

Microstructured block copolymers enable the design of membranes with optimized channels for transporting charged species in lithium batteries. Block copolymer electrolytes with soft lithium-conducting channels embedded in hard insulating matrices exhibit unusual properties. In contrast to current liquid and solid electrolytes, the ionic conductivity of the electrolyte increased with increasing molecular weight, thus enabling optimization of both its electrical and mechanical properties. The ability of block copolymer electrolytes to prevent the formation of lithium dendrites is demonstrated. It is also possible to design block copolymers wherein one of the microstructures conducts electrons while the other conducts lithium ions. We demonstrate the potential for using these polymers in lithium battery electrodes. Of particular interest is the fact that cell potential can be used to control electron transport which, in turn, can be used to control the battery characteristics. In contrast to conventional lithium ion batteries which contain flammable liquid electrolytes, the batteries discussed here are made up entirely of nonflammable solids.
Graduate students are welcome to attend either morning session

9:00 – 11:30 a.m.  “PLUGGING IN”
Speakers will present information about regional interdisciplinary health efforts and outline ways in which University departments and individual researchers can “plug in” to ongoing and future projects.

FEATURING:
Karl Steiner
Senior Associate Provost for Research Development, UD Research Office
Kathy Matt
Executive Director, Delaware Health Science Alliance
Bob MacDonald
Coordinator for Partnerships & Grants, U.S. Department of Agriculture Research Service

9:00 – 11:30 a.m.
Graduate Student Session Speakers will present information about UD resources for graduate students, career planning, and the transition from graduate school to the workforce.

FEATURING:
Robin Marks
Career Services
Emily Bonistall
Graduate Student Government President
Laura Vogel
UD Alumnus from the Longwood Graduate Program

11:30 a.m. – 1:00 p.m. “MONOGAMY NOT REQUIRED”
LUNCH- Research posters on display. Join us after lunch for an organized networking activity.

1:00 – 3:00 p.m. “FROM GOOD TO GRANT”
This panel discussion will focus on “real world” experiences and the logistics of developing and administering interdisciplinary research projects and grants.

PANELISTS:
Leigh Botner (Session moderator)
Research Development Director, UD Research Office
Kali Kniel
Associate Professor, Animal & Food Sciences (CANR)*
Manan Sharma
Research Microbiologist in the Environmental, Microbial, and Food Safety Laboratory (USDA ARS)*
Dan Flynn
Associate Dean of Research (CHS)
Steven Stanhope
Professor, Kinesiology and Applied Physiology and Lead Scientist, BADER Consortium (CHS)
Carl Schmidt
Professor, Dept. of Animal and Food Sciences (CANR)

* Collaborators in an AFRI grant entitled “Plant Responses to Food-borne Bacteria and Viruses and Mechanisms Used by Pathogens to Survive”

3:00 – 5:00 p.m.
POSTER SESSION AND REFRESHMENTS
Tours of the CANR farm and gardens will also be available at this time.

Learn more at: http://ag.udel.edu/events/oneworldonehealth/index.html