



# BioSynthesis

Volume 9, Issue 2 (May 2010)

BioSynthesis On-Line: <http://departments.bloomu.edu/biology/>

## Spring & Summer Dates

**APR 30:** COST Research Day

**May 4 & 5:** Coffee and Donuts, Hartline Lobby

**MAY 4—7:** Final Exams

**MAY 7:** Graduate Commencement, 6:00 p.m., Haas

**MAY 8:** Undergraduate Commencement, COST, Academic Quad. Rain Location: Nelson Field House, 2:30 p.m.

**MAY 24 - JULY 2:** Summer College, Session I

**JULY 7 — AUGUST 13:** Summer College, Session II

**AUG 30:** Fall Semester Classes Begin



## Look what's inside:

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## Celebrating a Semester!

The Biology and Allied Health Science Club ordered a beautiful spring day for their end of the semester picnic outside Hartline. Chefs **Ghaith Ibrahim** and **Nate Gainer** grilled the burgers and hot dogs for a hungry crowd of students and faculty. A good time was had by all! The BAHS Club ended the semester with a burst of activity. Recent BAHS Club events included a trip to the Baltimore Aquarium, a Susquehanna River clean-up, and a Kick-It for Haiti kickball tournament. Leading the club next year are: President, **Megan Dager**; Vice-President, **Michelle Stipanovic**; Secretary, **Gina Grasso**; Treasurer, **Katrina Rohr**; Historian, **Dave Francavilla**; Public Relations, **Steven Paliswiat** and **Heather Kinney**. The club's advisors are **Drs. Brubaker, Corbin, and Hranitz**. The BAHS Club has lots of good ideas for activities for next academic year and is considering trips to the Philadelphia Zoo, Ricketts Glen, the Mutter Museum, and the Body Worlds Exhibit. Stay tuned.





# Congratulations to Graduating Seniors

Congratulations to Biology and Allied Health students who will graduate in spring or summer 2009. Stay in touch! Remember to check out BioSynthesis on line at <https://departments.bloomu.edu/biology/>

**Great job!**

## Spring 2010 B.A. in Biology

Ashley Andrews  
Erinda Como  
Dana Crayton  
Kimberly Dash  
Krystal Hernandez  
Beth Miller  
Alicia Musser  
Sandra Newell  
Lisa Oney  
Anna Simpson  
Amber Sosnovik  
Lisa Visnosky

## Spring 2010 B.S. in Biology

Sara Barker  
Sherrol Browne  
Jonathan Busada  
Ryan Dorkoski  
Ashley Erdman  
Shannon Grimes  
Nathan Griner  
Michael Hollman  
Heidi Huynh  
Megan Kopec  
Alexis Marsh  
Tara Martines  
Jared May  
Nicole McGuyer  
Nija Owens  
Stacy Ramph  
John Redinski  
Sarah Starkey  
Maxwell Tolan  
Leigh Ann Waite

## Spring 2010 B.S. in Medical Imaging

Christina Carter  
Laura Labiak  
Nicole Lopata  
Kaitlyn Manley  
Ashley Moro  
Ellie Plytage

## Summer 2010 B.A. in Biology

Jennifer Bowen  
Nicole Gerard  
Erica Hemsarth  
James Neil  
Stephanie Solomon

## Summer 2010 B.S. in Biology

Yveny Eustache  
Kimberly Ochal  
Lara Pebley  
Monica Po  
Holly Raguza  
Kaitlyn Schiccatano  
Brandi Stout

## Summer 2010 B.S. in Clinical Lab Science

Joshua Capelli  
Kristin Day

## Summer 2010 B.S. in Medical Imaging

Andre Acevedo  
Jillian Anthony  
Leslie Antolick  
Brenda Bride  
Amanda Decker  
Jason Dockery  
Lisa Gifford  
Elyssa Goldstein  
Jacob Hiller  
Cory Hoffman  
Jessica Janssen  
Jennifer Kubilus  
Erin Laedlein  
Erin Linkoski  
Briana Miller  
Michelle Morgis  
Amanda Peterman  
Heidi Portzline  
Natasha Puskavich  
Brittany Sheehan  
Kristina Slabonik  
Rebecca Slavoski  
Jayme Snavely  
Rachel Stoehr  
Susan Wade  
Danielle Whitley  
Amanda Worsham

## Honor Graduates

Cum Laude: Erinda Como, Kimberly Dash, Michael Hollman, Jared May, James Noll, Jillian Anthony, Lindsay Cartin, Elyssa Goldstein, Jacob Hiller, Cory Hoffman, Kaitlyn Manley, Susan Wade  
Magna Cum Laude: Sandra Newell, Heidi Huynh, Maxwell Tolan, Jennifer Kubilus  
Honors Program Graduate: Jared May



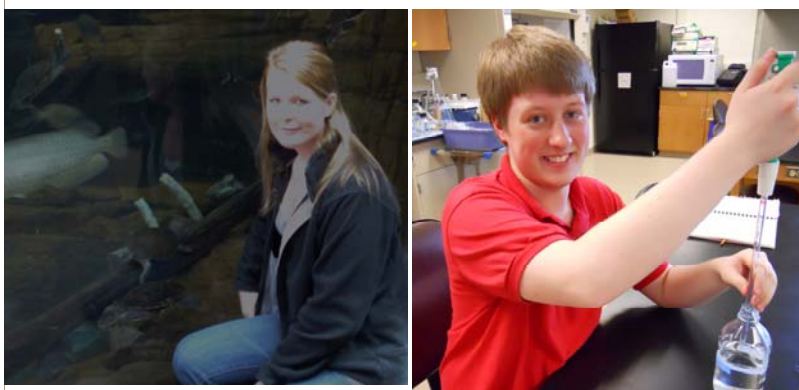
## Meet our Student Scholarship Winners

### James E. Parsons Scholarship in Clinical Lab Science/ Microbiology Awarded

**Alaina Egger**, a Clinical Lab Science major, from Clarks Mills, PA is the recipient of the James E. Parsons Scholarship. This scholarship has been established in honor of emeritus faculty member, Dr. James Parsons. Dr. Parsons taught microbiology courses and served as the Allied Health Coordinator at Bloomsburg for many years. Anyone interested in contributing to Parsons Scholarship Fund, please contact Mr. John Karas, Development Office, [jkaras@bloomu.edu](mailto:jkaras@bloomu.edu), 570-389-5144. Alaina (pictured at right) is a member of the Science and Health Science Living Learning Community where she serves as a mentor and committee member. She volunteers at the Women's Resource Center and in the children's section of the Bloomsburg Public Library. Alaina is the treasurer of Campus Girl Scouts and assists area scouts in earning badges. She is a Board of Governor's Honor Student. Congratulations Alaina!



### BAHS Scholarship Recipients



**Megan Dager (left) and Darrin Doran (right)** received scholarships awarded by the Department of Biological and Allied Health Sciences.

Megan is a junior biology major from Bernville, PA. She currently serves as president of the Biology and Allied Health Science Club. Megan is a member of the pre-medical sciences club and is a student worker in the College of Liberal Arts. She is the incoming vice-president of Tri-Beta Biology Honor Society. Megan is interested in becoming a Physician Assistant and has conducted an internship based on the engineering of various medical devices. This summer, Megan will study marine science in Australia.

Darrin is a sophomore pursuing a double major in biology and psychology. He hails from Pine Grove, PA. Darrin is a University Peer Tutor and officer. He is a member of the Student Psychology Association and the Pre-medical Sciences Club. Darrin also served as Pine Grove's Representative to the Schuylkill County Youth Drug and Alcohol Commission. Darrin is interested in pursuing graduate work in behavioral neuroscience. Congratulations to Megan and Darrin!

### James Cole Scholarship in Medical Imaging Granted

**Jessica Albright** is the recipient of the James Cole Scholarship in Medical Imaging. Dr. Cole is a retired professor who taught the freshmen biology course for majors for many years, served the department as chairperson and allied health coordinator, and was instrumental in developing allied health programs at Bloomsburg University. Jessica is a sophomore medical imaging major from Allentown, PA. She is a member of Developing Ambitious Student Leaders and has participated in various community service activities. She also enjoys participating in Quest activities. We congratulate Jessica on receiving this award.



### APSCUF Scholarship Awarded to BAHS Student

**Cory Worgen** received the APSCUF Scholarship, a grant awarded annually to adult students who are continuing their education. Cory has earned certificates in Radiologic Technology and Vascular Intervention from Reading Hospital School of Radiologic Technology. He has been employed for eight years as an operating room technologist and a CAT scan technologist at Geisinger Medical Center. Cory is attending Bloomsburg University to obtain his B.S. in Medical Imaging. His ultimate goal is to enroll in a physician assistant program. Congratulations Cory!

## BAHS Outstanding Biology Senior



**Emily Barkanic** was selected as outstanding senior biology student for the 2009-2010 academic year. Emily graduated magna cum laude in fall 2009 with a B.S. Biology, pre-medical sciences. Her outstanding academic record has been recognized by her election to the interdisciplinary Honor Society of Phi Kappa Phi, the mathematics honor society Kappa Mu Epsilon, and the biology honor society Tri-Beta. Emily has been listed in Who's Who Among College and University Students on four occasions. She has tutored classmates in introductory and organic chemistry, physics, biology, and calculus. Emily has actively participated in undergraduate research and was a Susquehanna Field School Fellow. She conducted a study on passerine diversity along Susquehanna tributaries with Dr. Corbin. She also conducted aquatic nutrient uptake studies with Dr. Steve Rier. Emily participated in Geisinger Medical Center's JAN PLAN, where she had the opportunity to observe physicians and members of the health-care team in various medical specialties. Outside the classroom, Emily served as secretary of the BAHS Club and participated in Quest. Emily participated in a Hurricane Katrina Disaster Relief trip and assisted with the start-up, organization, and programming of Hope's Haven Summer Camp for Pennsylvania foster care children. Recently Emily initiated middle and high-school tutoring services at Northern Dauphin County YMCA. She has also conducted linguistic mapping and literacy work in Cameroon. Emily plans to attend medical school in the Fall of 2011, pursuing a dual MD-PhD degree with research in epidemiology.

## BAHS Outstanding Allied Health Senior

**Jennifer Kubilus**, a senior medical imaging major, was named outstanding allied health student. She will graduate cum laude with a B.S. in Medical Imaging. Jennifer was a member of the Biology and Allied Health Club at Bloomsburg University. She received the ACG Bloomsburg University Academic Excellence Scholarship. Jennifer is completing her clinical in radiologic technology at Geisinger Medical Center. She is interested in specializing in CT. Jennifer has a long record of community service. She has volunteered at Hazleton General Hospital, participated in Big Brothers Big Sisters, and was named Volunteer of the Month by the Volunteer Center of Greater Hazleton.



## BAHS students inducted into Phi Kappa Phi

Phi Kappa Phi is the nation's oldest, largest, and most selective honor society that recognizes and promotes academic achievement in all fields of higher education. Only the top 7.5% of juniors and the top 10% of seniors are eligible to join the society. The following BAHS students were inducted on April 18 at a ceremony attended by faculty, administrators, and family members: **Joelle Bittner, Kyle Correll, Heidi Huynh, Amanda Kaehler, Jason Nolt, Michele Stipanovic, Krysta Whitmoyer, and radiologist assistant students Jina Ji Hyun Jung, Jeffrey Smith, and Mary Street.** BAHS students who were inducted previously include: **Emily Barkanic, Michael Bierds, Ryan Dorkoski, Michael Hollman, Kaitlyn Manley, James Noll, Kelly Pidgeon, Max Tolan, Essie Reed, Ross Klossing, Joshua Tussing and Andre Pascal.**



## Additions to Fall Semester Dean's List

The following students' names were omitted from the Fall Semester Dean's List printed in the March *BioSynthesis*: **Joelle Bittner, Jonathan Busada, Shannon Carper, Katrina Conrad, Dan Copes, Melanie DiMartino, Ehtan Ernst, Theresa Fuchs, MaryKate Gallagher, Lauren Gedman, Logan Hathaway, Amanda Kaehler, Lindsay Kupferschmidt, Heather Love, Tara Martinez, Katelyn Michalik, Michael Molesevich, Gretchen Moore, Richele Ohnmeiss, Julie Perta, Kelly Pidgeon, Julia Rush, Sean Scubelek, Lauren Statile, Stephen Taylor, Than Vu, Michael Wechsler, Druann Welsh, Jamie Willer.** Good job!





# Allied Health Updates

## IMPORTANT NOTICE FOR MI AND CLS STUDENTS

***ALL CLS and MI students who applied for clinical programs this year must see Dr. Kipe-Nolt before the end of the semester if you have not yet done so. This includes those who have been accepted into clinicals and those who have not.***

## BAHS Students Accepted to Clinical Programs

Good luck as you begin this new chapter in your education!

The following students have signed-up (completed paperwork):

Johns Hopkins Hospital: **Maci Aumiller (S)**, **Megan Filipski (R, CT)**, **Erica (King) Hollister (NM)**; **Jillian Kida (S)**, **Jessica Monk (R/CT)**, **Michael Snyder (R/CT)**, **Lucas Sparta (R/MR)**  
 College Misericordia: **Cynthia Mirra (S)**, **Maura Williams (S)**  
 University of Pennsylvania Hospital: **KCAnn Blank (R)**, **Julie Heimbach (R)**, **Jessica Lapinski (R)**, **Rebecca Conrad (R)**  
 Reading Hospital and Medical Center: **Melissa Curry (R)**, **Ashey Matrazzo (R)**, **Whitney Smith (R)**, **Jacqueline Masser (R)**  
**Sean Scubelek (CLS)**  
 St Francis Medical Center, NJ: **Christopher Vitali (R)**  
 St. Christopher's Hospital: **Priscilla Fuentes (R)**, **Maria Palmieri (R)**  
 Crozer Chester Medical Center: **Anna-Lee Pflomm (S)**  
 Abington Memorial Hospital: **Marcy Breymier (R)**, **Melissa Edmondson (R)**  
 Bucks County Community College: **Jessica Findley (R)**  
 Lancaster General Hospital: **Kalie Behler (NM)**, **Druann Welsh (CLS)**  
 Clearfield Hospital: **Kaitlyn Dumbrowski (R)**  
 Geisinger Medical Center: **Shauna Kwiatkowski (Echo)**, **John Blew (R)**, **Ryan Cirocco (R)**, **David Kolk (R)**, **Robert Me-  
 don (R)**, **Amanda Mull (R)**, **Sara Taylor (R)**  
 Thomas Jefferson University Hospital: **Stephanie Duva (S)**, **Rebecca Snyder (S)**  
 York Hospital: **Debon Berger (CLS)** and **Lauren Gedman (CLS)**  
 Arnot Ogden Medical Center: **Karen Wray (R)**

**Key: R = Radiography; CT = computerized tomography; S = sonography; NM = nuclear medicine; CLS= Clinical Lab Science; MR = Magnetic Resonance Imaging.**

## 19th Annual Health Sciences Symposium a Success!

Thanks to all of you made the 19th Annual Health Sciences Symposium a huge success. The keynote speaker, Dr. Christopher Still, delivered a timely message about the need for new strategies to combat the obesity epidemic. The symposium also included student posters and a wellness fair. Many BAHS students participated in the event. Special thanks to the cheerful poster hanging committee from Microbiology and the amazing clean-up committee from Anatomy and Physiology II. Special thanks to **Mike Hollman** and **Jimmy Noll**, student poster judges from the Department of Biological and Allied Health Sciences. Congratulations to student poster winners from Anatomy and Physiology II pictured below. Second prize went to **Aimee Bux**, **Andrew Evans**, **Michele Korgeski**, and **Dana Tavares** for their poster "Keep your Buns out of the Sun." The third prize poster, "The Biggest Loser," was prepared by **Megan Dager**, **Nicole Hollenbach**, **John Redinski**, and **Angela Worley**.



## BAHS Students Present at the PA Academy of Science Meeting

BAHS was well represented at the 86<sup>th</sup> annual meeting of the Pennsylvania Academy of Science (PAS) held recently at Camp Hill, PA. PAS is an organization that promotes scientific inquiry in the commonwealth, supports science education efforts, and offers opportunities for students and scientists to present research and grow professionally. The annual meeting provides a forum for students and faculty to give posters and oral presentations on their research and to network with scientists throughout Pennsylvania. Attending this year's meeting were **Dr. Angela Hess** and undergraduate students pictured at right, **Jonathan Busada**, **Jillian Kida**, and **Shannon Carper**. The BAHS presentations at the PAS meeting were:

**Jonathan Busada:** Over expression of EphA2 correlates with increased tumor cell migration

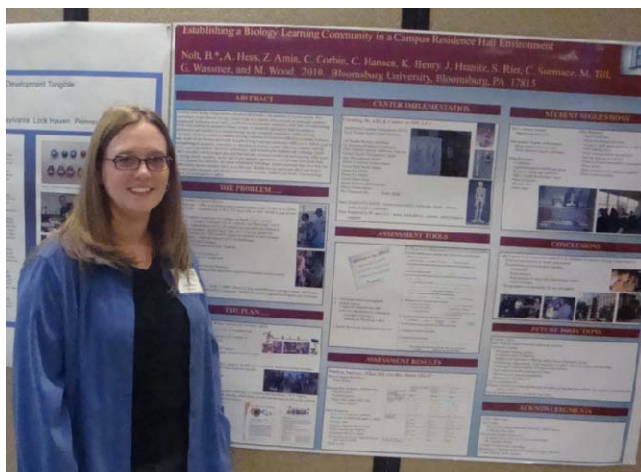
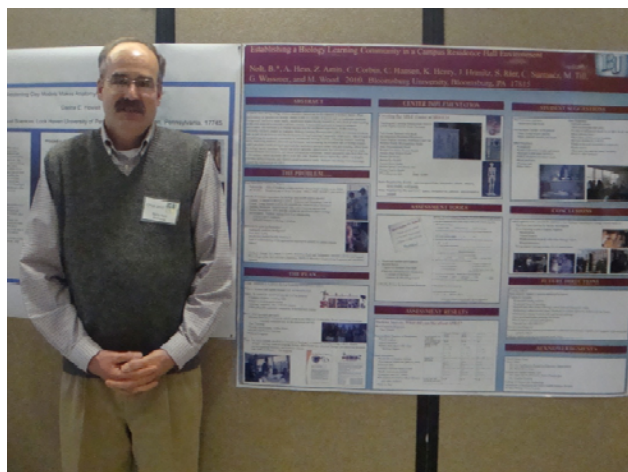
**Jillian Kida:** A subpopulation of poorly aggressive melanoma cells express high levels of EphA2 and have an increased proliferative capacity

**Shannon Carper:** Investigating the role of ephrin-A1 in regulating the proliferation rates of highly aggressive human melanoma tumor cells



## CPUB Annual meeting

East Stroudsburg University recently hosted the annual meeting of the Commonwealth of PA University Biologists (CPUB). The annual meeting is an opportunity for faculty and students from universities in the PA State System of Higher Education to join for a day of research presentations and workshops. Attending were BAHS students **Jonathan Busada** and **Emily Barkanic** and faculty members, **Dr. Nolt**, **Williams**, and **Hess**. Jonathan presented his research entitled "A high level of EphA2 expression correlates with increased migration in human cutaneous melanoma." Drs. Nolt and Hess presented a poster on "Establishing a Biology Learning Community in a Campus Residence Hall Environment." The poster describes the establishment of ABLE at Columbia Residence Hall, a project conducted in collaboration with Drs. Amin, Corbin, Hansen, Henry, Hranitz, Rier, Surmacz, Till, Wassmer, and Wood. Emily Barkanic received the Bloomsburg University Outstanding Biology Senior Award at the evening banquet. Dr. Williams was elected treasurer of CPUB for the 2010-2011 academic year.



## BAHS Students present at Noise-Con 2010

**Michael Busada**, **Chardei Eshleman**, and **Ghaith Ibrahim** presented a poster on "MRI Noise-Induced Effects on the Auditory Nerve" at Noise-Con 2010, the annual conference of the Institute of Noise Control Engineering in Baltimore, MD. Dr. Huckans, Department of Physics and Engineering, Technology is their research advisor.



## Dr. Till to Retire

**Dr. Margaret L. Till** will retire from the Department of Biological and Allied Health Sciences at the end of spring semester after a teaching career spanning 39 years. Dr. Till's education and experience is in physiology and she holds B.S., M.S., and Ph.D. degrees from Auburn University. After obtaining her master's degree, Dr. Till first began teaching Anatomy and Physiology to nursing students at Troy State University in Alabama. She returned to graduate school and completed her Ph.D. in physiology in 1980. Dr. Till conducted postdoctoral work in renal physiology at the University of Alabama Medical School in Birmingham, Alabama. She then joined the biology faculty at Old Dominion University in Norfolk, VA. Dr. Till came to Bloomsburg University in 1988. During her 22 year career at BU, Dr. Till taught Human Physiology, Human Biology, Anatomy and Physiology, Pathophysiology, Pharmacology, Neurophysiology, Drugs in America, and Radiation Biology. Dr. Till currently holds the rank of professor and has served as the chairperson of the Department of Biological and Allied Health Sciences, the department graduate coordinator, and the Interim Associate Dean of the College of Arts and Sciences. She has served on the Bloomsburg University Curriculum Committee, the University Tenure Committee, and committees that regulate studies that use animals and employ human subjects. Dr. Till's research has focused on various physiology topics such as kidney prostaglandins, adrenal cortex fatigue in prolonged stress, and cholesterol metabolism. Dr. Till has taken her innovative teaching approach on the road and has presented numerous workshops to biology teachers at annual meetings of the National Association of Biology Teachers. When asked what she is most proud of, Dr. Till cites the many bright students who have gone from "little 'ol Bloom" to go on to do really well. She is also proud of her role in developing the Integrative Physiology Lab curriculum and renovating 145 Hartline with the aid of a National Science Foundation grant. In the future Dr. Till plans to read, clean house, do some volunteering, and landscape her home. Dr. Till points out that she will miss the students and colleagues that she has known for many years. We will miss YOU Dr. Till! Stay in touch!



### Life after BU...

Congratulations to all of our graduating seniors and master's students. We are proud of you! Here's what some of our graduating students have planned following graduation. For those of you who are not certain of your plans, please send an e-mail to Dr. Surmacz in the future so we may share your good news!(csurmacz@bloomu.edu)

**Jennifer Bowen** (BA Biology) plans on additional coursework, working at a doctor's office and beginning her application process to PA school.

**Charla Fender** (pre-Occupational Therapy) will enter the combined program in occupational therapy at Thomas Jefferson Univ.

**Shannon Grimes** (B.S. Biology) will enter the doctoral program in physical therapy at St. Francis University.

**Megan Kopec** (B.S. Biology), will enter the master's program in biology at BU and will conduct research with **Dr. Brubaker**.

**Alicia Musser** (B.A. Biology) will be attending Thomas Jefferson University in the fall for my masters in Biotechnology.

**Sandra Newell** (B.A. Biology) will attend Slippery Rock University in the doctoral program in physical therapy.

**Nija Owens** (B.S. Biology) plans to attend graduate school in neuroscience.

**Essie Reed** (B.S. Biology, 2009) will attend medical school.

**Maxwell Tolan** (B.S. Biology) will attend medical school at The Commonwealth Medical College, Scranton, PA.

**Lisa Visnoski** (B.A. Biology) will work as a zookeeper at Clyde Peeling's Reptiland in Allenwood, PA. She plans to continue her education in zoology and work with exotic cats.

#### News from Alumni:

**Eric Melnychuk** (B.S. Psychology, Biology minor, 2006) will attend Philadelphia College of Osteopathic Medicine.

**Kristen Vitkauskas** (B.S. Biology, 1991; MS Biology, 1997), a teacher at Southern Columbia, was named *Environmental Educator of the Year* by the Columbia County Conservation District.

**Valerie Letukas** (B.S. Biology, 2008) has entered the master's program in biotechnology at Johns Hopkins University.







## Pre-professional Committee News

### Pre-Med Students Catch March Madness!



Pre-medical science students headed over to the Science and Health Science Living Learning Community in Columbia Hall for three Mondays in March to attend workshops sponsored by the pre-professional committee. Between 20 and 30 students attended sessions on the application process, resume writing, and preparing a personal statement. **Essie Reed** shared her first-hand experiences with the application process. Students who are applying for admission to begin professional school in Fall 2011 should see **Dr. Ardizzi** as soon as possible to begin their pre-professional portfolio. The deadline to have all materials submitted for early consideration by the pre-professional committee is July 1, 2010. The fall deadline is September 15, 2010. You are encouraged to apply as early as possible to maximize your chances for success. Delays affect competitiveness in the application process.

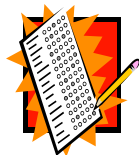


### Congratulations!

The pre-professional committee sends its heartiest congratulations to students who successfully gained admission to professional schools in medical fields. You did it! Congratulations to **Maxwell Tolan** who will attend The Commonwealth Medical College, **Essie Reed** who will attend medical school, **Eric Melnychuk** who will attend Philadelphia College of Osteopathic Medicine, and **Allison Hirsch** who will attend Temple Dental School.

### Pre-Medical Science Club Updates

The Pre-Medical Sciences Club kept busy this semester. In addition to attending March Madness, the group had a bake sale fundraiser to benefit T & D's Cats. The Pre-Medical Sciences Club recently met to elect officers for next academic year. Leading the way are President, **Ghaith Ibrahim**; Vice President, **Eliza Reed**; Secretary, **Amanda Fowler**; Treasurer, **Steve Paliswiat**; and Public Relations, **Jess Willis**.



### Summer MCAT

The MCAT is a standardized exam required for admission to allopathic, osteopathic, and many veterinary schools. The exam assesses mastery in biology, general and organic chemistry, physics, scientific problem solving, critical thinking, and writing skills. Summer MCAT exams are offered May 1, 21, 22, 27; June 17; July 8, 16, 29, 30; August 4, 5, 12, 13, 19, 20, and 24. To register go to: <http://www.aamc.org/students/mcat/start.htm>

### Summer Vacation Ideas

The committee wishes all pre-professional students a rewarding, relaxing, and rejuvenating summer. Remember summer is a great time to job-shadow. Many students also choose to do their volunteer work during the summer. Rising juniors are reminded to submit their completed application packets to the committee by midsummer for an early fall letter or late summer for last minute applicants.



### Kosloff Grant Awarded

**Ghaith Ibrahim** received a Kozloff Scholarship for his project "Analysis of Eph/ephrin markers in highly aggressive human melanoma cells". This work will compare the expression of EphB4 and Ephrin-B2 in normal human melanocytes and in tumor cells derived from human melanomas. He will start his research this summer in the lab of **Dr. Angela Hess**.



### Student Research Grants Available

The Commonwealth of Pennsylvania Biologists (CPUB) is awarding grants of up to \$400 to undergraduate and graduate students to fund equipment and supplies for research. To apply, students must submit a cover letter, a detailed proposal, a resume, and a supporting letter from the faculty research mentor. Proposals must be written by the student and must include an introduction, materials and methods, references, and a budget. The deadline is September 8, 2010. Application materials are available on the CPUB website <http://academics.sru.edu/cpub>

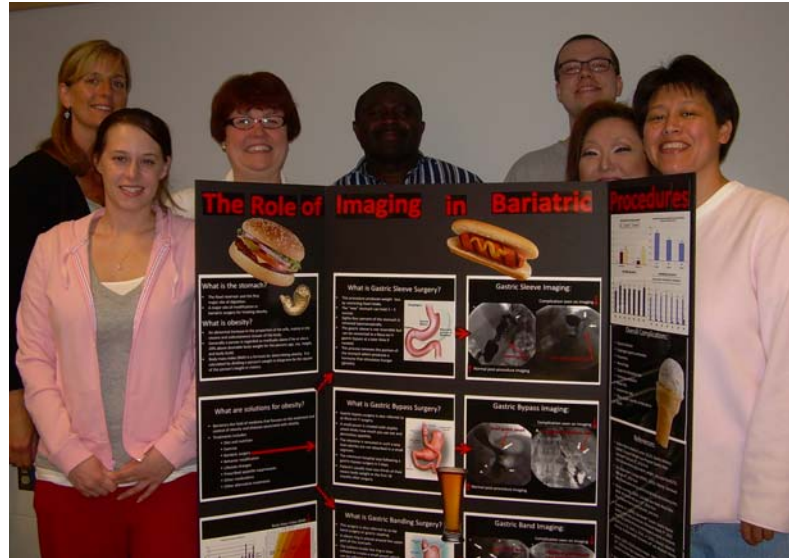
# News from the Radiologist Assistant Program

## RA Students Shine at Health Sciences Symposium

Radiology Assistants students received third prize in the graduate poster division for their poster on “The Role of Imaging in Bariatric Procedures.”

Pictured at right with the poster are: **Mary Streeter, Courtney Saba, Mrs. Mehlbaum**, RA program director, **Evans Nkowa, Jeffrey Smith, Jina Jung,** and **Christine Win.**

The group will also present their poster at the College of Science and Technology Research Day.



## RA Students to Present Research

Radiology Assistant students **Rhyan Kleiner** and **Alex Khudysh** will present their research projects. Rhyan will present “A survey investigation to test if a patient’s lack of exam knowledge can lead to anxiety and a poor fluoroscopy exam” on May 10 at 12:30 p.m. in 163 Hartline. Alex will present “Safely Diagnosing Pregnant Women with Symptoms of Pulmonary Embolism.” on Monday, May 10 at 11:30 a.m. Congratulations to Rhyan and Alex who will graduate from the RA program in August 2010.

## RA students in the Lab

RA students practice lab procedures in preparation for their clinical experience next year.





## Researchers Study Island Dwarfism in Toads on the Eastern Shore of Virginia at the Wallops Island Marine Science Center



Like the toads they study, **Ben Evancho** (MS Biology candidate) and **Nicole Gerard** (intern) have been doing some hopping of their own, island hopping. They are comparing toad populations on Assateague Island, Wallops Island, and Smith Island to populations on the nearby Delmarva Peninsula. Ben is comparing the life history characteristics of barrier island versus mainland populations. (At left: mature male toads from Assateague Island (dwarf) and the mainland.) Nicole is conducting anuran call surveys for the U.S. Fish and Wildlife Service and has designed her own research project on toads. Nicole will test if island-mainland size variation leads to differences in male advertisement calls. This research is funded through a Research and Scholarship grant to **Dr. Hranitz** from the College of Science & Technology.



## Researchers to Study Invasive Species in Their Native Habitats in Turkey and Greece

**Jonathan Bobek** (MS Biology candidate) and **Meghan Duell** (B.A. Biology, Honors Program) will travel to the Mediterranean to study several invasive species native to this region. Jon will investigate the molecular basis of flower color choice of foraging honey bees. Meghan will study stress responses in honey bees. This research is funded by a NSF-REU grant to Dr. Barthell and a Margins of Excellence grant to **Dr. Hranitz**.



## Check out BAHS Student Research at COST Research Day!

Friday, April 30, 2010 Schweiker Room, Andruss Library

<p><b>Ghaith Ibrahim</b> <b>Amanda Kaehler</b></p> <p><b>Dr. Cynthia Surmacz</b> <b>Dr. John Hranitz</b></p>	The Effect of Acclimation on the Stress Response of Blackworms	<b>9:45</b>
<p><b>Debon Berger</b></p> <p><b>Dr. Karl Henry</b></p>	Prevalence of Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) on Environmental Surfaces at Bloomsburg University	<b>10:00</b>
<p><b>Shannon Carper</b></p> <p><b>Dr. Angela Hess</b></p>	Investigating the role of ephrin-A1 in regulating the proliferation rates of highly aggressive human melanoma tumor cells	<b>10:15</b>
<p><b>Tara Martines</b></p> <p><b>Dr. George Davis</b></p>	Ferric Iron Uptake Mediated by a Phyto-siderophore Analog	<b>10:45</b>
<p><b>Michael Hollman</b></p> <p><b>Dr. Barry Nolt</b></p>	The identification and incidence of <i>Pythium splendens</i> in greenhouse propagated Asiatic and Oriental lilies	<b>11:00</b>
<p><b>Andrew P. Swank</b></p> <p><b>Dr. Clay Corbin</b></p>	Bite force as a predictor of guild membership in Passerine Birds	<b>11:15</b>
<p><b>Kimberly Ochal</b></p> <p><b>Dr. Steve Rier</b></p>	The Effects of a Single Phosphorous Pulse on the Subsequent Decomposition and Microbial Utilization of Sugar Maple Leaf Litter in a Stream Ecosystem	<b>2:15</b>
<p><b>Holly Raguza</b></p> <p><b>Dr. Steve Rier</b></p>	Decomposition and Microbial Utilization of Leaf Litter from a Non-Native Plant Species in a North Central Pennsylvania Stream	<b>2:30</b>

<p><b>Michael Busada</b> <b>Chardei Eshleman</b> <b>Ghaith Ibrahim</b></p> <p><b>Dr. John Huckans</b></p>	Poster Session: MRI Noise-Induced effects on the auditory nerve
<p><b>Jina Jung</b> <b>Evans Nkowa</b> <b>Dourtney Saba</b> <b>Jeffrey Smith</b> <b>Mary Streeter</b> <b>Christine Winn</b></p> <p><b>Christine Mehlbaum</b></p>	Poster Session: Role of Imaging in Bariatric Procedures