



# BioSynthesis

Volume 1, Issue 3 (November 2002)

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

## Dates to Remember

Nov 18 –Jan 6: STINF scheduling open for schedule changes and scheduling of additional courses.

November 27: Undergraduate Research Proposals due in Dean's Office

December 7: Classes End

**December 9-14: Final Exams**

**GOOD LUCK!**

December 13: Graduate Commencement at 6:00 p.m. in Haas Center for the Arts

December 14: Undergraduate Commencement at 2:15 p.m. in Haas Center for the Arts



## Look what's inside:

*December Graduates & Award Recipients* 1

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## Salute to December Graduates



The students listed below plan to graduate in the December commencement ceremonies. Congratulations to all and stay in touch!

B.S. Biology

**Christiana Bosco**  
**Michael Fedako**  
**Lauren May Konarski**  
**Kelly L. Lapotovich**  
**Annie E. Rick**

**Jonathan Lee Sabo** (minor, Chemistry)  
**Chad Springer**  
**Holly M. Williams** (minor, Chemistry)  
**Kathryn Elizabeth Yaramishyn**  
(minor, Business)

B.S. Medical Imaging

**Rebecca Ann Beil**  
**Carissa Biago**  
**Mihaela Chisca**  
**Elizabeth Ann Feulner**  
**Crystal Garman**  
**Maria Michelle Hall**

**Heidi L. Moyer**  
**Elizabeth D. Prusha**  
**Heather L. Schapp**  
**Elaine N. West**  
**Paul D. Wright**  
**Christina M. Yancey**

B.S. in Secondary Education in Biology

**William Buza**  
**Debbie F. Kupsho**  
**Alex Lopashanski**

**Lawrence R. Pryzblick, Jr.**  
(double major, B.A. Biology)  
**Austin Schofield**  
(double major, B.S. Biology)

## BAHS Students Receive Academic Awards



Several graduating seniors in the Department of Biological and Allied Health received awards at the University Awards Program on Sunday, November 17, 2002. **Larry Pryzblick**, a double major in B.A. Biology and Secondary Education in Biology, was named top student in the College of Professional Studies and had the highest cumulative GPA graduating in the College of Science and Technology. He received Summa Cum Laude recognition, which is given to students who have earned at least a 3.95 cumulative average. Larry also was honored for being named to Who's Who based on his scholastic achievement, personal traits, leadership, and professional promise. He was also recognized for receiving a Kozloff Undergraduate Research Award.

**Rebecca Beil** (Medical Imaging), **Holly Williams** (Biology), and **Debbie Kupsho** (Secondary Education in Biology) received Magna Cum Laude Recognition, which is given to students who have earned at least a 3.75 cumulative average. Congratulations to all award winners!

## WHAT'S GOING ON?



### UNCF-Merck Offers Undergraduate Science Research Scholarships

Applications are now available in the BAHS Department Office (125 HSC) for the UNCF-Merck Undergraduate Science Research Scholarship. This scholarship program is sponsored by The Merck Company Foundation and is administered by The United Negro College Fund. The goal of the program is to encourage African American students to pursue careers in biomedical science and related scientific fields. The award provides tuition support of up to \$25,000 and offers opportunities for paid summer internships at a Merck research facility in New Jersey, Pennsylvania, or California. To be eligible, students must be African American, enrolled in a life science or physical science program at a four year college, a junior, and have a 3.3 GPA. The deadline is December 16, 2002. The scholarship program web site is [www.uncf.org/merck/](http://www.uncf.org/merck/)



### Clubs on the Road

The **Biology Club** headed to the Baltimore Inner Harbor on November 23 to visit the Baltimore Aquarium.

The **Marine Science Club** traveled to the Marine Science Consortium at Wallops Island, Virginia on November 8 to 10. They returned with some "marine critters" that they are currently maintaining in the salt water aquaria in Hartline Science Center.



### Mark Your Calendars for the CPUB meeting

The Commonwealth of University Biologists (CPUB) is an organization of biology faculty from the fourteen universities in the State System of Higher Education. CPUB's mission is to promote research and teaching in biology. To accomplish this goal, CPUB holds annual meetings to highlight student and faculty research, presents awards to outstanding biology students, sponsors workshops and institutes on topics of interest, and provides a forum for the exchange of ideas among biology faculty and students. Mark your calendars for the 34th Annual Meeting of CPUB next Spring. The meeting will be held **April 11-13, 2003** at Shippensburg University. This is a good venue to present the results of your undergraduate or graduate research projects.



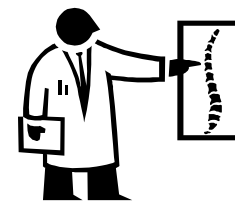
### News You Can Use

- Students enrolled in University Seminar are reminded to attend their University Seminar class at their regular time on December 4 or 5.
- In the future Human Genetics will only be offered spring semesters. It will not be offered Fall 2003. Please plan accordingly. See Dr. Hansen if you have any questions.
- Deadline to submit proposals for Undergraduate Research in Biology to Dean's Office: Nov 27, 2002

#### Stay Connected! Two important sources of information are:

- 1) The BU Biology/Allied Health Website <http://departments.bloomu.edu/biology/>
- 2) The bulletin board case near the office (Notes, Notices, and Nonsense)

## ALLIED HEALTH UPDATES



### Medical Imaging Students: APPLY for CLINICAL NOW !

Dr. Kipe-Nolt, Allied Health Coordinator, encourages Medical Imaging Students to submit their applications to clinical programs as soon as possible! It would be preferable to have them in by the end of the semester. Applications can be found at the WEBSITES of the clinical programs.

### Johns Hopkins Hospital Visits BU

Earlier this month, Jay Rhine, Director of the Schools of Medical Imaging at Johns Hopkins Hospital, Baltimore, MD, visited BU to talk with medical imaging majors. He discussed Hopkins' programs in Radiography, Sonography and Nuclear Medicine. He also talked about new programs in PET imaging, discussed the advantages of PETscans as a diagnostic tool, and delighted the audience with lots of PET and PET-CT scans. The Schools of Medical Imaging have recently moved into new facilities. They are eager to receive applications from BU students!

### Great News!

**Loren Abbott** and **LeAnn Hess** have been notified that they were accepted into clinical programs in Medical Technology next year at Robert Packer Hospital, Guthrie Medical Center, in Sayre, PA. Congratulations!

### What's in a Name?

The Bloomsburg University Curriculum Committee has recently approved the renaming of the Medical Technology curriculum to **Clinical Laboratory Science** to reflect national trends.

### Medical Technology Scholarship Available

Lancaster General Hospital is offering a \$7500 scholarship to medical technology students. The scholarship carries a two year commitment to work at the hospital following graduation. See Dr. Kipe-Nolt for details.

### Check out the Bulletin Boards!

Students in Dr. Kipe-Nolt's University Seminar Class have been busy beautifying the halls of Hartline while educating their classmates about allied health careers. Take some time to read the bulletin boards outside 145 Hartline to learn about Physical Therapy and Medical Imaging. Beside containing pretty colors and borders, both bulletin boards provide information about career opportunities, specializations, salaries, the BU curriculum, and educational programs. The bulletin boards feature photos of some of our current Medical Imaging and Physical Therapy majors. Is your picture missing? See Dr. Kipe-Nolt (104 Hartline) to have your picture snapped.

## PRE-PROFESSIONAL COMMITTEE UPDATES

The pre-professional committee at Bloomsburg University assists students in gaining admission to professional schools such as allopathic, osteopathic, podiatric, or veterinary medicine, dentistry, optometry, and chiropractic. Recently the committee held a mock MCAT to help students gain familiarity with the exam format and to assess their strengths and weaknesses. Eleven BU students participated—they are the ones that look slightly dazed! Thanks to Drs. Hallen and Berg of the Chemistry Department for administering the test and to the Dean's Fund for Excellence for funding the purchase of the exams.



Note to Pre-Medicine Students: The U.S. Army Medical Department sponsors a Health Professions Scholarship Program. This program provides a 100% tuition scholarship for Medical School. If you would like information about this program please contact: Jason B. Caswell, Sergeant First Class, U.S. Army Health Care Recruiter, Phone: (570) 823-9914  
E-Mail: jason.caswell@usarec.army.mil



## THE BU MASTERS PROGRAM

The Department of Biological and Allied Health Sciences offers both a Masters of Science degree (M.S.) and a Master of Education (M.Ed.) in Biology. Our master's program in general biology provides opportunities for course work and research at the supraorganismal, organismal, cellular, and molecular levels of biology. The program prepares students for admission to doctoral programs or professional schools and also enhances the knowledge and experience of high school biology teachers. For more information, contact the graduate program coordinator, Dr. Carl Hansen (123 Hartline).

## Highlights of November's Journal Club

Journal Club is an opportunity to get together informally with fellow students and faculty to discuss late-breaking research articles on the cutting edge of biology, while eating munchies! Journal clubs in November were presented by graduate students **Amy Mudry** and **Justin Reis**. Amy discussed the results of a clinical study that investigated growth hormone levels in patients with Noonan's Syndrome. Justin presented his proposed thesis research which examines the sequence of the G protein gamma subunit genes in Antarctic ice fish. Journal Club is held on alternate Fridays at 3:00 p.m. in 145 Hartline. Journal Club will resume next semester.

## Practice for Candidacy Exams

Practice sessions will be held for graduate students to help prepare for the candidacy exam. Sessions will be held every other Friday at 3 p.m. in 145 Hartline and will alternate with Journal Club.

## Reminder... Molecular Biology Workshop for Graduate Students

The Pennsylvania State University is offering their second *Molecular Biology Workshop For State Universities of Pennsylvania* on June 9-20, 2003. This is an intensive 2 week lab workshop focusing on the principles and techniques of molecular biology. The workshop is held at the Biotechnology Institute at the University Park campus, State College, PA. Workshop participants will gain hands-on experience with such techniques as DNA purification, analysis by restriction enzymes and gel electrophoresis, DNA probes, Southern blots, cloning, sequencing, PCR amplification and analysis of gene products by western blots. No previous experience with these procedures is necessary. This workshop is open to graduate students and faculty at state universities in PA. Now for the best part.....The workshop is FREE and includes meals and housing. A gas reimbursement up to \$100 is available. Space is limited at the workshop, so apply early, no later than April 30, 2003. Application forms and additional information may be obtained at the Workshop's Website at <http://www.lsc.psu.edu/techniques/workshop2.html>. Three BU graduate students attended last year, **Soniya Sinha, Jennifer Venditti, and Emily Kramer**. They had a very positive experience and could tell you more.

## What Do You Think?



Dr. Parsons attended the recent annual convention of the National Association of Biology Teachers (NABT) in Cincinnati, Ohio. Dr. Parsons reports that this year's annual convention was rather unique in the sense that we were all asked to address the following proposal:

**“If you were to reduce each of your course's content by 30-45%, what would you eliminate?”**

The focus was that we have reached a crossroad in biology education at all levels (Kindergarten through 4-year University level). Namely, we are demanding too much rote memorization. Most of those in attendance believe that we need to refocus our attention on developing a scientific thought process in our students by utilizing models, examples, etc. What are your thoughts on this proposal? As a student? As a faculty member? As a potential teacher?