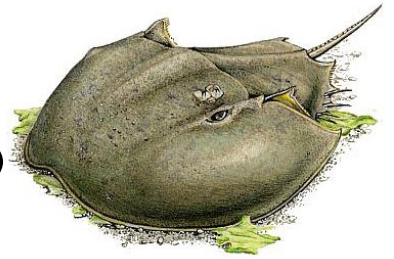


Limulus



NEWSLETTER

Department of Biological Sciences, Wagner College, Staten Island, NY

Volume 2012, Issue Spring-04

April/May, 2012

MORE SENIORS FINISH REFLECTIVE TUTORIAL



The seniors who finished their Senior Reflective Tutorial. Standing, from the left: Leonard Giordano, X, Allen Maryasis, X, Adrianna Castillo, Tiffany Dawson, Zoe Siegel, Antonia Bertelle, Milton Vera, Cynthia Jones, Rachel Tripp, Lisa Duncan, Terryn Marete, Alina Guseynova, Richard Morgan, Deeksha Chawla, and Dr. Stearns. In the front, from left: Thomas Iannacone, X, John Passantino, and John Andrejack.

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LETTER FROM THE EDITOR

At the end of a semester and after submission of grades there is not much to say for a professor at a college. Nevertheless, let me say three things:

1. Enjoy the current Limulus
2. Congratulations graduating seniors
3. Enjoy the summer!

Best regards,
Dr. Horst Onken, The Editor





BIOLOGY STAFF AND FACULTY NEWS

SEMESTER END CELEBRATION

On May 10, most of the Biology faculty, some other science faculty and Graduate Assistants celebrated the end of the semester at Basilio's:



Contributed by Dr. Onken with a photo by Dr. Moorthy.

CURRICULUM NEWS

2012 SUMMER COURSES AND INTENDED AUDIENCE

BI 120 Human Biology. Runs May 14-May 25

Non-science majors

BI 209/209L Human Anatomy and Physiology I. Session A

Nursing and Physician Assistant majors

BI 210/210L Human Anatomy and Physiology II. Session B

Nursing and Physician Assistant majors

BI/MI 213/213L Cells, Genes and Evolution. Session A

Biology, Biopsychology and Microbiology majors,
Pre-health students

BI 335/335L Natural History of the Mid-Atlantic States.

Runs May 15-May 31

Biology majors and Environmental Studies minors

BI/MI 400E Experiential Component of the Senior RFT.

Session B

Biology and Microbiology majors, Biopsychology
majors focusing on biology

MI 200/200L Microbiology. Session A

Microbiology, Nursing, and Physician Assistant
majors

MI 597 Research. Session B

Microbiology 5-year program students

MI 797, 798, 799 Research. Session B

Microbiology graduate students

Contributed by Dr. Palestis.

STUDENT NEWS

SENIOR RFT CONCLUDED

As the year comes to a close, it is the time for seniors to present their thesis work. Students' hard work from their RFT is displayed on posters for the Biology to department to view and acknowledge the research that Biology majors engaged in for preceding year. The end of the semester is also a very bittersweet time. Undergrad work is over, you say goodbye to

people you have seen for the past four years, and you work towards establishing your career. It is Limulus tradition to report on the graduating Biology seniors and during the poster session, I had the chance to ask just some of the class of 2012 what their future holds.

Antonia Bertelle is from Staten Island. Aside from majoring in biology, she has a minor in Italian. She plans on studying for her MCAT and continuing research.

Milton Vera is a Biopsychology major and will be applying to PA school. He will be working as a nursing assistant for his clinical hours and become a PCT, or patient care technician.

Cynthia Jones plans on attending PA school and working in a hospital post-graduation.

Lenny Giordano will be applying to dental school.

Zoe Siegel will continue taking classing and plans on applying to genetic counseling programs.

Lisa Duncan will earn her second degree at the Nursing Program at Wagner College.

Rachel Tripp will be staying at Wagner for her secondary masters degree in education and focusing on biology.

Thomas Iannacone secured a job teaching biology in the high school he graduated from in Philadelphia.

Alina Guseynova plans on applying to Medical school. Adrianna Castillo hopes to apply to dental school upon graduation.

Deeksha Chawla will be pursuing a masters degree or apply to dental school.

Terryl Marette intends to apply to medical school.

Richard Morgan is deciding upon attending graduate school.

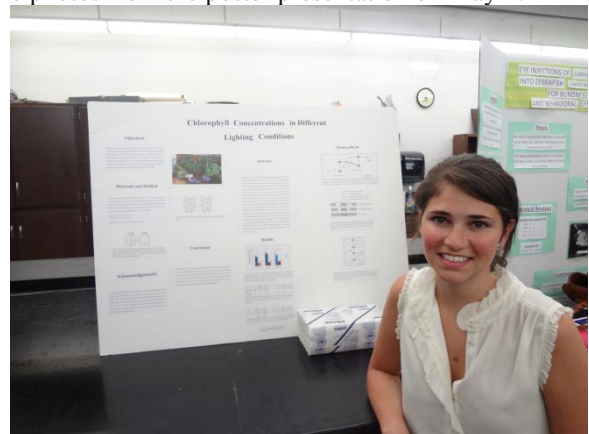
John Passantino wants to apply to medical school or graduate school.

Allen Maryasis will be attending graduate school for a degree in Pharmacy.

John Andrejack will be joining the international guard and working towards his masters in education.

The department also recognizes students who have an overall GPA of 3.0 or higher, a GPA in Biology of 3.5 or higher, and have presented their work at a conference. Of the 20 students who are finishing their senior RFT, this years honors were given to Alyssa Spivak, Lisa Duncan, and Richard Morgan. Thirteen students completed their senior RFT at the end of the last fall semester and departmental honors were given to Maleeha Memon and Violeta Capric.

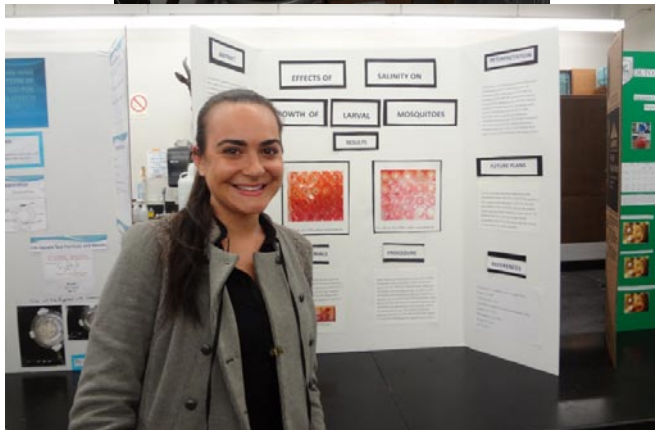
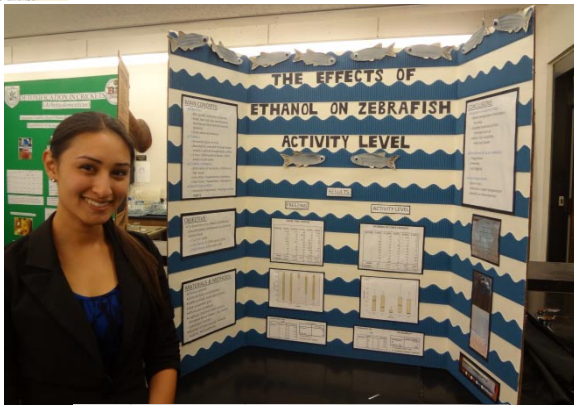
Some photos from the poster presentation on May 1:





NEWS FROM CLUBS AND SOCIETIES

BIOLOGY CLUB



The biology club ends the semester with several important annual events taking place. The first was electing the new e-board for the 2012-2013 school year. Enri Citozi assumes the club's new president position. An upcoming Junior, Enri is a biology major and has been an active member of the biology club since his freshman year. He has participated in many meetings and extremely helpful when organizing events. He loves sports including volleyball, basketball, and soccer. Enri ultimately hopes to become a physician. As an incredible asset as a member, he has many plans in store for the club next year as president.

The new vice president is Radislav Meylikh. Radislav is also an upcoming Junior. As a member since his freshman year and 2011-2012's biology club treasurer, he brings much previous knowledge to the e-board. He plans to work with the club staff to plan many fun and educating events that pertain to biology. His goal as vice-president is to get more students involved in the biology club. By expanding the club, the events can be bigger and more exciting to not only biology students, but to the whole campus.

Another returning e-board member is Judy Betz. Judy continues to hold the very important secretary position and contributes much to the club. Judy is also very active around campus outside the biology club. As a rising senior, she is currently working toward a Biology Major and a Chemistry/Environmental Studies Minor. This past year she served as VP for Student Athlete Advisory Committee (SAAC). This upcoming year in addition to her reoccurring position of secretary for Biology Club, she will be serving as SAAC president and treasurer for Tri-Beta. She is a member of Gamma Sigma Epsilon, the Chemistry Honor Society and Omicron Delta Kappa. Judy loves being involved in events both on and off Wagner's campus. She volunteered in the Port Richmond Project, El Centro, and has been a representative for the Staten Island Green Belt Conservancy. "Wagner is a great community to be a part of and I look forward to great things as I enter my last year," said Judy.

Jessica Oppenheimer is a new addition to the e-board as the new community service chair. This position includes organizing service projects for the club and keeping track of charitable events on Staten Island. Jessica will be a senior next

Contributed by Janna Denisenko





year. "I love microbiology and have been a microbiology major since my freshman year. I'm also pre-vet and part of the pre-health society," says Jessica. She is secretary of ASM Student Chapter and treasurer of Alpha Phi Omega. Jessica also said: "I have done community service throughout my life and by the end of this semester I will have completed over 60 hours of community service. This is just one of the reasons why I feel that I will succeed as the VP of Community Service for Biology club."

The club is still looking for someone to fill the treasurer position. If anyone is interested, please e-mail janna.denisenko@wagner.edu. Treasurer duties include being present at SGA finance meetings, keeping track of club finances such as reimbursements, and attending budget hearings.

While on the topic of budgets, with cuts all around many of the planned events for the Spring semester needed to be rethought. Fortunately, the club was still able to have their traditional trip to the Bodies Exhibit at South Street Seaport. Several club members came to support the club. For many, this was their first time to the museum, while others are recurring attendees. The exhibit is always fun and educational, with several professors even offering extra credit to view the exhibit. As for philanthropic functions, members from the club attended the 37 Seconds of Silence Against Violence Towards Women. The event brought awareness to the 37 million women who are missing in the world due to genocide in China.

As the 2011-12 president, I would first like to personally thank the entire Biology department for all their support with the club's involvements. I truly appreciate all the help, advice, and guidance all the professors have lent to make the club one of the biggest on campus. I have great faith in the upcoming e-board that they will continue the club's legacy in promoting unity, community service, and most importantly, biology.

Contributed by Janna Denisenko

MICROBIOLOGY CLUB

Last month in April, The American Society of Microbiology Student Chapter at Wagner has proven that they are not only dedicated to have Wagnerians learn the sciences, but are philanthropic as well. The chapter held an event to test soap for its antimicrobial properties and raised 400 dollars in donations for the St. Jude's Children Hospital.

The chapter performed an experiment to test whether the soap they had contained antimicrobial components. The chapter tested an organic soap that was made under the company of one of the member's close affiliates. The test is a routine experiment done in the BI 213 lab, "Genes, Cells, and evolution", the first prerequisite class needed to take upper level biology courses. The test looks to see whether two unknown soaps contain the antibacterial chemical, triclosan. Triclosan is a prevalent antibacterial agent used in many commercial soaps. Around ten students were in attendance to participate in the experiment.

To the surprise of the attendees, the organic soap did not have any antibacterial properties. The test was a determining success.



The society raised 200 dollars from students to donate to the St. Jude's Children Hospital at the health fair. In affiliation with a sponsor, for the amount donated, the sponsor would give a double. Microbiology was proudly pleased with their success of receiving 400 dollars to donate to St. Jude's, a value St. Jude's is highly grateful for from the Microbiology club.

Wagner bids a congratulating farewell to its seniors in the microbiology department, at least until the fall that is. Wagner's microbiology seniors will all be coming back to pursue their Master's studies in microbiology. However, some will also be continuing their studies in the health professions after Wagner.

President of the chapter, Julia Mullins will be graduating, along with Krista Carbonara, Ashley Polizzotto, Dilijeta Bajrami, John Augello, Benjamin Bustamante, and William Rivera. Rivera will also be taking the DAT in June and will be applying to dental school the following fall. Carbonara, Bajrami, and Polizzotto also plan on taking the DAT and applying to dental school. Mullins will be participating in an internship with the FDA and will be a graduate assistant for the Microbiology Department for the next academic year.

Bedrije Goga and Terrence Downing will be graduating with their Masters in Microbiology. Goga is planning to go on to Dental School in the upcoming fall. Downing plans to follow his goal of having a career in microbial research. Mullins has expressed, "We are very proud of the both of them for being the first to successfully complete the 5 year program and pave the way for us to do the same."

Contributed by Philip Fomina.

TRI-BETA BIOLOGY HONORS SOCIETY



The spring semester for Beta Beta Beta is the time for the society to get together and decide on new initiates. Students are extended an invitation into the Biological Honors Society after they have exhibited outstanding academic excellence in the Biological Sciences and are recognized for their hard work by their peers and professors. On April 20th, eight new and very diverse, Biology majors/minors were inducted into BBB: Melanie Krongold, a sophomore Microbiology major from Staten Island, hopes to attend medical school after graduating. Sara Mfarrej is an international sophomore from Morocco. She is a biology major/chemistry minor and hopes to be a dentist. English is Sara's third language and is fluent in Arabic, French, and Spanish. "I wish to bring diversity to the



biology department. I love Wagner College because they have a great pre-health program,” says Sara.

Meghan Brown is a sophomore Microbiology major from Brooklyn. She is currently a member of the American Society of Microbiology and Christian Fellowship on campus. Mark Fealey is a Biology major and a Chemistry/Religion minor. He is the Secretary of Theta Chi Fraternity as well as an intern at the Staten Island Zoo. Other initiates include Danielle Santora, Pakinam Mekki, Radislav Meylikh, and Amanda Spira

The organization is thrilled to welcome them and excited for what the next school year will hold. Along with the next school year, comes an e-board with both new and returning executives.

The society’s president, Joanna Emilio, is a rising senior Biology major and a Chemistry and Psychology minor. She is a commuter from Brooklyn and takes part in research with Dr. Heather Cook. She is excited to take on another year as President of Tribeta and work with all the new members. Joanna is extremely dedicated to the society and will continue to uphold the society to its high standards of community service and academic achievement.

Sheldon Rozman resumes his position has the society’s vice president. He is a Biology major with a minor in chemistry. Sheldon will be applying to dental schools in the summer in hopes of becoming a successful orthodontist in the future. He is a native Staten Islander, currently working at Small World Dental, where he specializes in pediatric dentistry and orthodontics. Sheldon is a great attribute to the society and diligently works for the society.

Judith Betz assumes the position of treasurer. As secretary of the Biology club, Judy is extremely involved on campus. She is originally from Ashburn, VA and is a member of the Wagner Softball team and the veteran pitcher. “I am involved with multiple clubs I look forward to making an impact during my final year at Wagner.”

Samar Alwani is part of the graduating class of 2013. She is From Staten Island, majoring in Biology, minoring in Chemistry with a focus upon Optometry. As the new secretary, Samar says “It is a pleasure and honor to become secretary of Beta Beta Beta Biological Honor Society!”

Amanda Spira, a new inductee, is the society’s historian. The society also continues to participate in many campus events. Aside from taking part in the “37 Seconds of Silence” event, members worked to put together a display for the Wagner College Health Fair on April 19th. The idea for BBB was to educate students about skin cancer and sun safety. Money was raised and donated to the Skin Cancer Foundation, an organization dedicated to educating people on how to prevent skin cancer. They created a poster filled with information and facts about their topic and provided students with sunscreen samples and pamphlets. The event was a great success and a lot of fun for all.

Contributed by Janna Denisenko

BIOPSYCHOLOGY HONORS SOCIETY WILL CONTINUE

The further existence of the biopsychology honor society or better known as Psi Epsilon Alpha Honor Society was questionable. It seemed of what was started under the idea of



Aimee Marin (Nursing, '11), to dedicate prestige society for biopsychology students to honor their academics, would disappear from Wagner. In fortunate news, Psi Epsilon Alpha Honor Society will continue under the leadership of myself Phil Fomina as President (Biopsychology, minor in Microbiology, '14) and Mike Broe (Biopsychology, '13) as Vice President.

Elections will take place for the rest of the society's e-board in the fall with positions still open for SGA representative, treasurer, and secretary. Additional positions will possibly be available for community service events and event planning, however, this will be discussed with Broe and myself if this is necessary.

Broe and I have exciting ideas for the society. In terms of events, we will be holding events for drug abuse awareness and neurophysiological effects of narcotics, personality and habit questionnaires, depression/anxiety awareness, and even schizophrenia awareness as it indifferently recognized. Plans for national recognition are being discussed and underway and will be finalized when the e-board and faculty members make an agreement upon seeking national membership.

Contributed by Philip Fomina.

PRE-DENTISTRY SOCIETY

The Pre-Dental Society would like to wish all of those applying to dental school and taking their DAT’s a very warm good luck! In the Fall, the Pre-Dental society must elect new executive board, but Gregory Balaes, the current president, would like to thank the 2011-2012 executive board: Leonard Giordano (Vice President), David Finkelstein (Treasurer), Angelo Cacciatore (Secretary), and Sara Mfarrej (Community Service Chair).

Contributed by Philip Fomina.

PRE-HEALTH SOCIETY

During the month of April, members of the Pre-Health Society engaged in numerous on-campus and off-campus activities. In particular, on April 17, the Pre-Health and Pre-Dentistry Societies welcomed Ms. Maureen Cullins, who serves as an executive of Duke University School of Medicine’s admissions committee. Prior to her presentation, she was welcomed and had lunch with the e-board of both societies. At her presentation, she explained that health professional schools want to admit personable, compassionate student leaders. Admissions factors include a student’s: grade point average, standardized test scores, practical clinical and research experiences, internships, letters of recommendation, personal statements and interview. In addition, Cullins explained Duke University School of Medicine’s unique medical school interview process (MMI) and its curriculum. Over twenty pre-health students attended this presentation, and Ms. Cullins was impressed with Wagner College, our excellent pre-health program administration and our motivated pre-health students!

In addition, on April 23, the Pre-Health and Pre-Dentistry Societies hosted its First Annual Health Reception. Members of Staten Island University Hospital’s medical and administrative teams were welcomed in Union’s Faculty Dining Hall. Welcomed guests included members of SIUH’s



Board of Trustees, physicians from numerous specialties like anesthesiology and urology, and Physician’s Assistants. More than fifteen pre-health students attended the reception, asked questions and networked for shadowing opportunities. SIUH guests were wonderfully impressed with Wagner and its wonderfully bright and motivated group of pre-health students. In fact, they offered to give pre-health students a tour of Staten Island University Hospital’s facilities (Seaview) next fall semester! It was indeed a successful evening, and I owe its success to Wagner’s Center for Career Development as well as the Pre-Health Program!

Moreover, members of the Pre-Health Society engaged in two community service events, including the March of Dimes Walk and Wagner’s First Annual Health Fair which featured the Mega Heart®.

Should you have any questions or concerns, please do not hesitate to email the Pre-Health Society’s president, Paki Mekki, at pakinam.mekki@wagner.edu. Until then, I wish you all a happy and productive summer! Thank you!

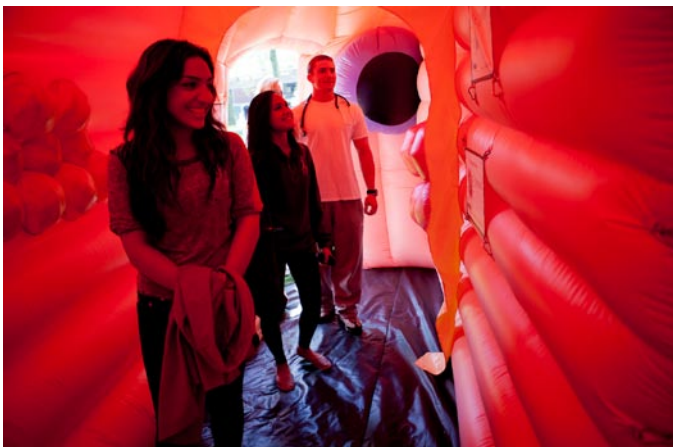
Contributed by Paki Mekki

EXPERIENCES

HEALTH FAIR

Wagner’s first-annual Health Fair took place on April 19, 2012 on the Sutter Oval Lawn. It hosted 15 different clubs and organizations, including Wagner’s Physician Assistant Program and Nursing Program Students.

From what spawned as a simple idea in the Pre-Dental Society, the Health Fair turned into a fun, exciting, and educational day. In the Fall 2011 semester, Gregory Balaes, the Pre-Dental Society President, explained his idea of a joint effort from various clubs and organizations on campus in order to promote health among college students. After hard work in planning and speaking to clubs and organizations, the simple idea turned into a reality. “The Health Fair would not have been possible without the advice, support, and hard work from every one who participated,” said Gregory Balaes.



Wagner students inside the MEGA Heart Inflatable.

Each activity was based around a walk-through MEGA Inflatable Heart inflatable with the full anatomy of the human heart, including diseases associated with poor health. For instance, the exhibit displayed an endocarditic infection,



ventricular septal defect, mitral valve prolapse, coronary bypass graft, coronary stent, and myocardial infection.

When planning the Health Fair, the Physician Assistant Program agreed to give annotated tours through the MEGA Inflatable Heart. By doing so, visitors learned of the various diseases associated with the heart, including how to prevent them from occurring. In addition, the PA Program put “sugar into perspective,” by weighing and displaying the actual sugar content in common beverages and soft drinks.

The Pre-Dental Society hosted oral cancer screenings by partnering with two Staten Island dentists, Dr. DiAntonio and Dr. Erakat. In total, they were able to screen about forty Wagner students for oral cancer and, if necessary, referred those in need for a follow-up with an oral surgeon.



The student-nurses explain the importance of eating healthy.

Wagner’s student-nurses also had a large presence at the Health Fair by distributing nutritional information, recipes for healthy food, and health smoothies. Student-nurses also tested for abnormal blood pressure, heart rates, and provided constituents with information to help lower their heart rate, if elevated. In addition, they hosted a rock-climbing wall to show how outdoor exercises could be fun and healthy.

In all, there were various notable achievements in our First-Annual Health Fair. Not only was the Health Fair featured on NY1 news, but also there was a great turn out for the blood drive. NY Blood Services, who partnered with Wagner for the Health Fair, reported this event as their best blood drive since



2010. In total, they registered 49 donors and collected a total of 37 pints of blood.



Video: <http://www.youtube.com/watch?v=rEoKsp5OZbU>

Gregory mentions, "I'd like to thank all of those who participated in the Health Fair and went to the Sutter Oval lawn on April 19th. The goal was to have an educational but fun day, and I truly believe we did just that. In particular, I'd like to thank our sponsors: Dr. Nancy Cherofsky, Dr. Salvatore Indelicato, Dr. Rocco DiAntonio, and Dr. Mohammed Erakat. The event also could not have been possible without the advice and support from Professor Patricia Tooker, Dr. Heather Cook, and Nora Lowy. On behalf of the Pre-Dental Society members and executive board, who were very dedicated in planning this event since its baby stages, I'd like to thank all of you for your support and guidance."

For anyone interested in participating the 2013 Health Fair, please contact gregory.balaes@wagner.edu.

Contributed by Gregory Balaes

DUKE SCHOOL OF MEDICINE DIRECTOR OF MULTICULTURAL RESOURCES VISITS WAGNER COLLEGE

Pre-Med students are always in need of advice that will give them the most competitive edge on the admissions process for Medical School, not to mention gaining confidence. Last month, Wagner's Pre-Med, Dental, and Physician Assistant hopefuls received priceless advice from a Medical School admissions professional from one of the top ten medical schools in the country. They received that advice from Maureen Cullins, Director of Multi Cultural resources at the School of Medicine at Duke University, gave indispensable insight upon Duke's own admission process that is applicable to all medial oriented applications.

In Manzulli Hall of the Foundation Residence Hall, sat about thirty students ranging from freshman to seniors, anxious for Cullins' arrival. There was an aura of chill curiosity in the room; students out with pen and paper ready to scribble down advice. Cullins' biggest and most revealing advice, "Apply early."

The students were intrigued, wondering why Cullins' would give away such an advantageous piece of advice. Most students think that devoting a longer time to studying, perhaps taking entrance exams in August is a more beneficial choice; to get the higher grade. However, Cullins' expressed that applying early is perhaps the best choice a pre-medical student can make. She confessed the story of an applicant to Duke

who achieved a 32/45 on her MCAT, maintained a 3.8 GPA, was involved in a deluge amount of clubs and volunteer organizations, presented a captivating personal statement, revealing the high character in her interview that she laid out in her personal statement.

The applicant scored a 4.8 out of 5 on the admissions process, despite the fact that the average MCAT score of an applicant to Duke is a 36. This made Wagner Students turn their heads. Cullins' emphasized that of course to get into medical school, one needs competitive scores, but what is more important is how the applicant reveals who she really is. That is first and foremost through the personal statement and extracurricular involvement. Cullins' told the students that the first time she meets an applicant is through the personal statement, the applicant's introduction to herself. In fact, Cullins' even said that she looks at the scores last because she wants to see through that personal statement if the applicant is an individual of service.

She greatly emphasized that medicine is a career of service and it's a lifelong career of devotion. A career as a medical doctor takes devotion of time to community, science, and academia. Cullins' realistically revealed that an MD is not a career of wealth, stating that the head of surgery at Duke Medical Center makes \$300,000 dollars a year. Of course a medical doctor is a career of security, with a stable salary to put food on the table, have a nice home, and perhaps even send one's children to a private school. Yet, the job's demands exceeds its pay because it is a career that asks one for her utmost devotion to servicing her community and devoting her life to following updates on changes in medicine and medical technology, not to mention taking licensing exams every year.

Cullins' sees on first glance if an applicant is fit for the service as a medical doctor through that personal statement. Yet, she is not going to see that when she receives that application in late October. Review starts on June 1st and ends on November 1st. Cullins detailed that herself and other admission reviewers from other schools thoroughly read, word for word, how that applicant introduces herself, with red pen ready to edit, when the application is sent in as early as possible to the opening review date. On the contrary, if a student decides to take the MCAT in August or September, getting that high grade they wanted, but just making it to the application deadline, may not be the slyest action. Sure, she may have gotten that 35 that she wanted, but then an admissions reviewer like Cullins' herself will just skim the personal statement and rely on numbers, because she just read over 600 applications of the approximately 5,000 applicants that the whole admissions department has to read and she is tired.

In retrospect, the college senior who got a 32 on her MCAT will probably have a higher chance of getting into a prestigious medical school like Duke than the applicant who got a 35 because she applied early.

If the application comes in on June first, an admissions reviewer like Cullins' will have more time, energy and dedication to analyze the applicant's altruism and intellectual depth at first glance through her personal statement and give more leeway to her grades. The individual who applied late





who has higher scores may have better credentials but may have her application skimmed as it came last. Thus, the chance she will land an interview could be slim because that spot is gone.

The lesson for pre-med students, apply early.

Contributed by Philip Fomina.

PUBLICATIONS

Moffett, D. F., Jagadeshwaran, U., Wang, Z., Davis, H. M., **Onken, H.** and Goss, G. G. (*in press*). Signaling by intracellular Ca^{2+} and H^+ in larval mosquito (*Aedes aegypti*) midgut epithelium in response to serosal serotonin and lumen pH. *Journal of Insect Physiology*, available online at <http://dx.doi.org/10.1016/j.jinsphys.2011.11.019>

Palestis, B.G., J. Cabrero, R. Trivers, and J.P.M. Camacho. 2010. Prevalence of B chromosomes in Orthoptera is associated with shape and number of A chromosomes. *Genetica* 138: 1181-1189.

PRESENTATIONS

Palestis, B.G. and **K.E. Eppinger**. 2011. Few happy returns: Low return rates of common terns banded at Pettit Island, New Jersey. Presented at the 35th Annual Meeting of the Waterbird Society, 9-12 November, Annapolis, MD.

Rivera, W., **C. Gaylets, J. Husic, R. Mosher, B. Palestis, and A. Houlihan**. 2011. Carriage of bacterial and protozoan parasites among common tern chicks on Pettit Island, Barnegat Bay, NJ. Presented at the 35th Annual Meeting of the Waterbird Society, 9-12 November, Annapolis, MD.

Duncan, L., Emilio, J. and Cook, H. 2011. Analyzing the Effect of Phthalates on the Development of *Drosophila melanogaster*. 44th Annual MACUB Conference, Seton Hall University, South Orange, NJ, October 29, 2011.

Denisenko, L., Corbo, C. (Wagner College) and Alonso, A. (CSI). 2011. Electron Microscopic Analysis of Cell Membrane Integrity when Expressing Tau Pseudophosphorylated at Positions T212, T213 & S262. 44th Annual MACUB Conference, Seton Hall University, South Orange, NJ, October 29, 2011.

Gutkin, M. C., Corbo, C. P., Raths, L. A. and Fulop, Z. L. 2011. Identification of Proliferating and Immunologically Active Cells in Surviving Organotypic Culture of Adult Zebrafish (*Danio rerio*) Optic Tectum. 44th Annual MACUB Conference, Seton Hall University, South Orange, NJ, October 29, 2011.

Auricchio, G. M. (Wagner undergraduate), Bailly, J., McAllister, F., Maitra, A. and Leach, S. (Johns Hopkins University School of Medicine) 2011. Imaging Primary Cilia in Pancreatic Cancer Tumor Initiating Cells. 44th Annual MACUB Conference, Seton Hall University, South Orange, NJ, October 29, 2011.

Memon, M. A. (Wagner undergraduate), Fuchs, E., Bakshi, R. and Hendrix, C. (Johns Hopkins University School of Medicine) 2011. Measuring Distribution and Permeability of



an HIV Microbicide Gel Vehicle using MRT, SPECT/CT and a Radiolabeled Small Molecule. 44th Annual MACUB Conference, Seton Hall University, South Orange, NJ, October 29, 2011.

Palestis, B.G. and **K.E. Eppinger**. 2011. A banding study of common terns on Pettit Island, NJ: Preliminary results. Greater New York/New Jersey Harbor Herons and Waterbirds Working Group. Staten Island, NY. January 12-13.

Palestis, B., I. Nisbet, J. Hatch, J. Arnold, and P. Szczys. 2011. The importance of tail length for sexual selection in roseate terns. Waterbird Society. Grand Island, NE. March 13-16.

ALUMNI

Dear Alumni,

If you are interested in contributing to our newsletter, you are very welcome to do so. Contact Dr. Onken by e-mail (horst.onken@wagner.edu) with your submission, comment, ideas or questions! We are excited to hear about where you are, how and what you do!

CARTOON



"Well to be honest we weren't going to revive you. However the rest of your species is extinct, and we are in desperate need of someone to throw us a stick."

Cartoon from www.lab-initio.com

The Editorial Board:

Editor: Dr. Horst Onken, Associate Professor

Assistant Editor: Stephanie Rollizo, Dept. Secretary

Student Assistant Editor: Gregory Balaes (Biopsych.)

Student Assistant Editor: Pakinam Mekki (Biology)

Student Assistant Editor: Philip Fomina (Biopsych.)

Student Assistant Editor: Janna Denisenko (Biology)