LETTER FROM THE EDITOR

“Limulus” was established by Dr. Onken in 2007. Please enjoy this edition which includes events from summer of 2014 through summer 2015. We collaborate with faculty, students and staff to highlight the year’s academic, civic and social occasions. Beginning this fall, Dr. Blaize will be our new editor!
Sincerely,
Stephanie Rollizo, Faculty Secretary, Biological Sciences

TABLE OF CONTENTS

Biology Staff and Faculty News 4
News from Clubs and Societies 5
Experiences 5
Opportunities 9
Awards 10
Theses – Undergraduate & Graduate 11
Professional Meetings 12
Alumni Fund News 13

Back Row (L-R): Cody Carpenter, Johnathan Hinrichs, Salvatore Mascellino, Dante Fernandez, Timothy Mendez, Dr. Donald Stearns
Middle Row: Julie Roggeveen, Christopher Antonacci, Vincent Vitulli, Yan-Yee Linnia Cheung, Mayar Mussa
Front Row (sitting): Daniella Smolyansky, Christina Seccondro, Najia Malik; Maria Papaioannou
Senior Class Completing Research in Fall 2014

Standing (L-R): Michael Cataldo, Melike Vardar, Meghan Morrissey, Naomi Brouard, Amy Gimpel, Christian Hoffman, Muhammet Vardar, Jadd Zahrie, Dr. Donald Stearns
Seated & Front Row: Chantal Agnew, James Ducey, Ayodele Ashley Sodipo, Arielle Dorfman, Jacob Cohen

Photographs by Stephanie Rollizo

Holiday 2014 Celebration – Phunky Elephant
Celebrating End of the Academic Year

Faculty, Staff and Friends celebrate the end of the Academic Year

May 2015 – Killmeyer’s Old Bavarian Inn
Dr. Fulop and Dr. Moorthy are feted for their birthdays!
Meet Dr. Jonathan Blaize

Dr. Jonathan Blaize comes to Wagner College from the City University of New York where he studied proto-oncogene activation as a potential remedy for mammalian retinopathies. His recent work includes the characterization of genes associated with neoblast recruitment during planarian regeneration, the creation of a three-dimensional planarian atlas and the molecular mechanisms facilitating lipid recognition by retinal pigment epithelium. Jonathan brings with him a lengthy transcript of classroom experience, having begun teaching college biology courses as early as 2004. Originally considering a career in law enforcement, Jon’s scientific interests blossomed when he was introduced to fluorescent and electron microscopy techniques by Dr. William L’Amoreaux. An avid car and motorcycle enthusiast, Jon spends his free time wrenching with friends and family. Dr. Blaize was hired as a full time tenure track professor of biology, after serving for two years as a visiting professor.

Meet Dr. Javier Rivera-Guzman

Dr. Rivera-Guzman was hired as a full time tenure track professor of microbiology & biochemistry, after serving for a year as a visiting professor. He received his Ph.D. from the Indiana University School of Medicine in Microbiology & Immunology, was an IRACDA Postdoctoral Fellow at the University of North Carolina at Chapel Hill in Gastroenterology and Pharmacology, as well as received a Graduate Certificate from UNC Chapel Hill in Core Concepts of Public Health. His research is mainly focused on the use of natural products (plant-derived biomolecules) that have a biometric effect on the growth of important bacterial strains, including pathogens and probiotics. In addition, he is aiming to incorporate microbiology into public health research, doing longitudinal studies of novel public spaces and tracking viable pathogenic bacterial strain growth and correlating to public health data.

Beginning in Fall 2015, Dr. Guzman takes on Faculty Advisor for the Tri-Beta Biological Honor Society, having been a Tri-Beta during his undergraduate education.

Meet Dr. Donald Stearns appointed new Director of the Center for Teaching, Learning, and Research

Beginning this fall, Dr. Stearns takes on the position of Director, Center for Teaching, Learning, and Research. He will be coordinating presentations and intelligent discussions focusing on teaching and learning. Faculty, students and administrators will have the opportunity to share information and opinions in the context of an informal social setting. The center will maintain teaching and learning communication links with other campus entities (e.g., the First-Year Program, the task force that is presently working on general education goals, the Committee for Learning Assessment, the Center for Academic and Career Engagement [CACE]). In this way, the center can stay current regarding the teaching and learning challenges encountered by those entities and offer recommendations based on center discussions.

The center's activities this fall will begin with two presentations that focus on (1) how learning takes place in the human brain; and (2) general recommendations for learners, teachers, and administrators to enhance learning—all based on what the science tells us.

Arrangements are set for a presentation by Dr. Ken Bain, author of the book What the Best College Teachers Do (2004, Harvard University Press, Cambridge, MA). Ken will be coming to Wagner on Wednesday, November 18th, to engage faculty in deep conversations about the nature of learning and how best to foster it, and presenting teaching approaches that have been shown to be effective in enhancing learning.
NEWS FROM CLUBS AND SOCIETIES
TRI-BETA BIOLOGY HONORS SOCIETY

On Friday, May 1, nine new members were inducted into the biology honors society. The one-hour ceremony took place in the Manzulli Board Room, Foundation Hall, and was led by outgoing president Amy Gimpel.

Contributed by Linda Raths, with photograph by Jonathan Blaize

Annual Darwin Day Celebration

The department held their annual Darwin Day on 2/12/15. Special guest presentation by Professor Harold Kozak was an enjoyable and fact-filled presentation of his trip to the Galapagos Islands.

EXPERIENCES
M.A.C.U.B. – November 1, 2014

The 47th annual “Metropolitan Association of College and University Biologists” met this year at Molloy Conference, Rockville Centre, NY. Four undergraduate and one graduate student presented. All received achievement certificates.

Prof. Alba, Dr. Blaize, Dr. Bobbitt, Dr. Corbo, Prof. Raths and Dr. Stearns gave their support.

Michael Cataldo and James Ducey

“Three-dimensional Reconstruction of Planarian Micrographs in Search of Human Proto-oncogene Orthologs.”
Michael Cataldo, James Ducey, Jonathan Blaize, PhD
“The Effects of Dipentyl Phthalate on Drosophila melanogaster Development.”
Amy Gimpel and Heather Cook, PhD

“A Comparison of Summer Macroinvertebrate Communities and Selected Environmental Factors in Two Locations of Muddy Branch Tributary, Montgomery County, Maryland.”
Chantal Agnew, Donald Stearns, PhD

“Prevalence of Escherichia coli among Ruminants in Public Animal Settings in Both Cold and Warm Temperatures.”
Judith Betz, Dr. Marc Valitutto (Staten Island Zoo), Kathleen Bobbitt. PhD, Christopher Corbo, PhD

Our own Dr. Stearns gave one of the two keynote addresses. His talk was entitled, “Teaching and Learning with a Sense of Community.”
E.C.S.C. – April 18, 2015

Wagner College science students earned high marks and gained valuable professional experience at the 2015 Eastern Colleges Science Conference, held at Niagara University in Niagara Falls, N.Y. They were among the approximately 220 participants from 16 institutions of higher education — mostly undergraduates in the physical, chemical, biological and social sciences — who attended the 69th annual conference on Saturday, April 18.

Sometimes singly, sometimes in pairs, Wagner College undergraduates gave five platform presentations and 14 poster presentations of their empirical research.

Three Wagner students won excellence awards for their presentations:

Microbiology major Meghan Morrissey, whose research mentor was Professor Kathleen Bobbitt, won an excellence award for her manuscript, “The Effect of Five Plant Extracts on Serratia marcescens for Medicinal Significance.”

Biology majors Michael Cataldo and James Ducey, whose research mentor was Professor Jonathan Blaize, won a best presentation award for their poster presentation, “Three-Dimensional Reconstruction of Planarian Micrographs in Search of Human Proto-Oncogene Orthologs.”

“The general consensus was that presenting one’s own research in a scientific meeting was a great experience that could not be duplicated in a classroom setting,” said Donald Stearns, the Martha Megerle Professor of Biology and ECSC coordinator at Wagner College. “Our students did an outstanding job of explaining their research findings to their peers as well as faculty. For many, it was the first time they had presented their research in this context.”

Next year’s Eastern Colleges Science Conference will be hosted by Western New England University in Springfield, Mass. Wagner students beginning empirical research now are encouraged to present their findings at next year’s ECSC. For more information about the conference, visit its website. http://ecsc1.org

Contributed by Dr. Donald Stearns
Photographs by Anthony Gonzalez

Meghan Morrissey, James Ducey, Michael Cataldo
Dr. Stearns Takes African Civic Leaders to Toms River, New Jersey

This summer, Wagner College hosted 25 young African leaders for the Mandela Washington Fellowship, the flagship program of President Obama’s Young African Leaders Initiative (YALI). From June 19th to August 1st, fellows participated in a college-organized civic leadership institute that combined intensive academic and leadership training with experiential learning activities. President Obama launched YALI in 2010 to support young African leaders as they spur growth and prosperity, strengthen democratic governance, and enhance peace and security across Africa. Fellows, aged 25-35, came this summer to Wagner College from 20 sub-Saharan Africa countries, as leaders in a wide range of fields related to civic leadership.

Dr. Stearns was the faculty member responsible for the fifth week of the program, focusing on civic leadership addressing environmental/human health issues. United Water Toms River (a water utility), in Toms River, NJ was named in a water pollution lawsuit brought by Toms River residents approximately 20 years ago.

Ms. Jane Kunka (Public Affairs Manager for the utility), Ms. Linda Gillick (Toms River civic leader and Executive Director of Ocean of Love), Mr. Richard Henning (Senior Vice President for Communications for the utility), and Mr. Jim Mastrokalos (Operations Manager of the utility) participated in a general discussion regarding the effects of responsible citizenry and civic engagement on the shaping of corporate policy and management decisions that, in turn, have engendered a mutual respect necessary for sustained improvement for all.

The purpose for this site visit was to show by direct example how responsible civic leadership helped, in the case of the utility, to transform the corporate mindset—the traditional corporate culture—from a paid service with public invisibility (where no news is considered good news) to more of a deliberate, purposeful, public commitment towards bettering the community it serves as an integral component of its mission.

Contributed by Dr. Donald Stearns

On Saturday, May 30th, Dr. Fulop and Mrs. Rollizo enjoyed a nice day at the park by participating in the 14th annual NatureFest presented by the Staten Island Museum at Willowbrook Park.

As invited representatives of Wagner College and the department of Biological Sciences, they met people from the SI Museum, city and state parks, recycling groups, and families who came to the event. Information was shared between the various organizations and the public.

NatureFest is Staten Island’s celebration of environmental awareness and local natural history.

Contributed by Mrs. Stephanie Rollizo
OPPORTUNITIES

RESEARCH IN ANIMAL BEHAVIOR AND ECOLOGY
Dr. Palestis offers research opportunities for students in the frame of his research project with common terns (*Sternula hirundo*) in southern New Jersey. Apart of his work with terns, Dr. Palestis is interested in animal behavior and has forwarded numerous student research projects with zebrafish in the past. Please, contact Dr. Palestis for further information at bpalesti@wagner.edu.

RESEARCH ABOUT LIGHT PERCEPTION
Dr. Stearns offers research projects to determine the light sensitivity of animals. Currently, Dr. Stearns is interested in the characteristics of the eyes of *Daphnia*. However, other animals like the brine shrimp (*Artemia salina*) or larval mosquitoes (*Aedes aegypti*) have been investigated in the laboratory of Dr. Stearns. Please, contact Dr. Stearns for further information at dstearns@wagner.edu.

RESEARCH WITH DROSOPHILA
Dr. Cook offers research opportunities for students in the frame of a project with the classical insect model organism, *Drosophila melanogaster*. At this time, research in Dr. Cook’s lab focuses on endocrine disruptors and their effects on fruit fly development. Please, contact Dr. Cook for further information at heather.cook@wagner.edu.

RESEARCH WITH MICROBES
Dr. Bobbitt and Dr. Corbo offer a variety of research opportunities with microorganisms for students. Both follow different aspects of microbiological research, using a wide array of experimental techniques. Please, contact Dr. Bobbitt and Dr. Corbo for further information at kbobbit@wagner.edu or at ccorbo@wagner.edu.

RESEARCH WITH MOSQUITOES AND CRABS
Dr. Onken offers research opportunities for students in the frame of a project in which he collaborates with scientists from Washington State University, the University of Idaho, and the University of Alberta (Edmonton, CA). The project is funded by the National Institute of Health and studies the physiology of the midgut of larval yellow fever mosquitoes (*Aedes aegypti*). In collaboration with colleagues from the U.S. (Mt. Desert Island Biological Laboratories, Maine), Brazil (University of São Paulo in Ribeirão Preto, University of Paraná in Curitiba) and Canada (University of Manitoba in Winnipeg) Dr. Onken pursues research with Crustacea related to the osmoregulatory capacities and mechanisms of crabs. Please, contact Dr. Onken for further information at horst.onken@wagner.edu.

RESEARCH WITH ZEBRA FISH BRAINS
Dr. Fulop offers research opportunities for students with an interest in vertebrate neuroanatomy and physiology. Zebrafish *Danio rerio* has become an important model organism for vertebrate anatomy and physiology. Dr. Fulop is an expert in using microscopic techniques for anatomical and physiological research. Please, contact Dr. Fulop for further information at zfulop@wagner.edu.
AWARDS FOR ACADEMIC RECOGNITION

UNDERGRADUATE:

(1) Biological Sciences Award - Presented to the underclass (sophomore) student showing the highest academic promise in a major within the Department of Biological Sciences.
This year: Anthony Tucker-Bartley

(2) Robert D. Blomquist Memorial Award – An award given in memory of Robert D. Blomquist, a 1967 Wagner graduate, presented to a student completing the junior year who is an outstanding biology student and of good moral character.
This year: Emily Bovasso

(3) Biopsychology Award – Presented to a graduating senior in the biopsychology major, who in the judgment of the faculties of the Psychology and Biological Sciences Departments has most demonstrated academic excellence in Biopsychology.
This year: Najia Malik

(4) Natale Colosi Microbiology Award (undergraduate level) - Presented to a graduating student whose scholastic achievement in the field of microbiology is outstanding. The award is given in memory of Dr. Natale Colosi, former chair of the department.
This year: Meghan Morrissey

(5) John ’53 and Gloria Dean Award in Environmental Studies – Presented to a deserving student who demonstrates the strongest level of academic excellence in, and the desire to pursue work, in the field of environmental studies.
This year: Chantal Agnew

(6) Norman L. Freilich Memorial Award - Established in memory of Dr. Norman L. Freilich, a graduate of the Class of 1935, this is presented to a graduating student who has been accepted into medical, dental, veterinary or optometry school.
This year: Maria Papaioannou

(7) Kevin Sheehy Memorial Award - Presented to a graduating senior in biology with the highest cumulative GPA in the major, in memory of Dr. Sheehy, Class of 1967, a Tottenville H.S. biology teacher and a Wagner College trustee.
This year: Chantal Agnew

BS/MS PROGRAM:

(8) Roy. H. Mosher Award in Microbiology –The Award is presented annually to a graduating student in the BS/MS five year program in Microbiology, who has excelled in independent research in the field of microbiology and who is also conscientious and cooperative.
This year: Daniel Cimiluca

GRADUATE:

(9) Natale Colosi Microbiology Award (graduate level) - Presented to a graduating master’s degree student in microbiology whose scholastic achievement in the microbiology is outstanding. The award is given in memory of Dr. Natale Colosi, former chair of the department.
This year: Eden Stark

(10) Highest Academic Achievement (Microbiology Program)
This year: Judy Betz

(11) Outstanding Academic Achievement (Microbiology Program)
This year: Kacie Caldwell

DEPARTMENTAL HONORS:
For maintaining high major GPAs and presenting their research at conferences, awards in May 2015 presented to:

Chantal Agnew
Michael Cataldo
Amy Gimpel
Najia Malik
UNDERGRADUATE THESES:

December 2014

A Comparison of Summer Macro-Invertebrate Communities and Selected Environmental Factors in Two Locations of the Muddy Branch Tributary, Potomac River, Maryland
- Chantal Agnew

Testing Organic Extracts and Preservatives Found in BB Skin Cream for Antimicrobial Activity Using *Staphylococcus aureus*
- Naomi Brouard

Immulogic Detection of Met Homologs Expressed by *Dugesia dorotocephala* or *Tigrina*
- Michael Cataldo

Isolation of Bacteriophages from Sewage that Infect *Escherichia coli* and *Pseudomonas aeruginosa*
- Jacob Cohen

The Effect of Marinades on *Salmonella typhi* on Raw Chicken
- Arielle Dorfman

Protocol Development for Construction of a High Resolution, Three-Dimensional Atlas for the Study of *Dugesia dorotocephala* or *Dugesia Tigrina* Regeneration
- James Ducey

The Effects of Di-n-pentyl Phthalate on *Drosophila melanogaster* Development
- Amy Gimpel

The Isolation of Bacteriophage, Specific to the Bacterium *Shigella boydii*, from Water Sources in Orange County, New York
- Christian Hoffmann

The Effect of Five Plant Extracts on *Serratia marcescens* for Medicinal Significance
- Meghan Morrissey

The Isolation from Various Soils of Antibiotic Producing Microorganisms
- Ayodele Ashley Sodipo

The Effects of Clove Oil, Tea Tree Oil and Eugenol on the Growth of the Gram-Negative Bacilli *Pseudomonas aeruginosa* and *Escherichia coli*
- Melike Vardar

The Isolation and Identification of Bacteriophages Specific for *Salmonella typhi* Species
- Muhammet Vardar

How Plant Extracts of Clove Oil, Eugenol, Menthol and Tea Tree Oil Inhibit Various Strains of *Escherichia Coli*
- Jadd Zahrieh

May 2015

Testing for *Escherichia coli* in local park water sources in Staten Island, New York
- Christopher Antonacci

The Effect of Salinity Levels on Activity and Respiration of the Mummichog *Fundulus heteroclitus*
- Cody Carpenter

Differences in Photophysiology of Adult Female *Daphnia Magna* Obtained from Different Biological Supply Companies
- Yan-Yee Linnia Cheung

The Use of Light and Pressure in Planarian Conditioning
- Dante Fernandez

The Effects of Diethyl Phthalate on the Development of *Drosophila melanogaster*
- Johnathan Hinrichs

The Influence of Select Signaling Pathways during Planarian Regeneration
- Najia Malik

The Effect of Rapamycin in *Dugesia dorotocephala* on Regeneration and Behavior
- Salvatore Mascellino

Prevalence of Antibiotic Resistance *Salmonella* Species in Staten Island Zoological Society Snake Collection
- Timothy Mendez

The Effect of Different Alcohol Concentrations on Zebrafish (*Danio Rerio*) Species Recognition
- Mayar Mussa

Effects of Olfactory Stimulation on Captive Amur Leopards
- Maria Papaoaannou

Information Value of Different Resolutions in Digital Brain Images using a 15-Day Old Embryonic Rat Cerebellar Section
- Julie Roggeveen

Identifying Signal Transduction Pathways Involved in Planarian Regeneration and Understanding Classical Conditioning of Planaria
- Christina Seccondro

The Classical Conditioning, Protein Detection and Influence of Rapamycin in the Regeneration of Planarians
- Daniella Smolyansky

Detection of c-Met/c-Met homolog in *Dugesia dorotocephala* via Immunohistochemistry Techniques and Scanning Electron Microscopy
- Vincent Vitulli
GRADUATE THESES:

December 2014

Morphological Analysis of Neovascularization of Adult Zebrafish (Danio rerio) Optic Tectum after Traumatic Brain Injury: Comparison of in vivo and in vitro TBI Cases
- Sultan Alnomasy

Isolation of Antibiotic-Producing Bacteria and Fungi from Different Soils for Pseudomonas aeruginosa
- Reem Nafisah

May 2015

Detecting of Microglia Activation in Adult Zebrafish Brain Infected by Listeria Monocytogenes using Western Blot
- Hitham Alghamdi

Antifungal Activity of Certain Soil Microorganisms Isolated from the Soil of New Jersey against Pathogenic Fungus Aspergillus niger
- Rana Alsaif

The Use of Model Organism Caenorhabditis elegans to Study the Pathogenesis of Intracellular Bacterium Listeria monocytogenes
- Brittney Ayala

Transmission Electron Microscopic Analysis of a Listeria monocytogenes Central Nervous System Infection in Adult Zebrafish
- Michael Beck

Escherichia coli within Public Animal Settings and the Effectiveness of Hand Soap Compared to Alcohol-Based Sanitizer
- Judith Betz

Listeria monocytogenes Infection in Caenorhabditis elegans: Investigating Host-Pathogen Interaction
- Meghan Brown

Multiplex PCR for the Rapid Detection of Shiga Toxin Producing Escherichia coli in Petting Zoo Animals
- Kacie Caldwell

Evaluation of the Pathogenicity of Listeria monocytogenes in the Nematode Caenorhabditis elegans using a Gene-fusion Mutant
- Daniel Cimilluca

Testing Transition Metal Based Therapeutics against Gram Negative and Gram Positive Bacteria
- Joseph Cuomo

Isolation of Antibiotic-Producing Microorganisms from Different Soils against Staphylococcus aureus
- Shagraa Kriri

Antibacterial Activity of Capsaicin, Cinnamic Acid, and Tannic Acid Extracts against Enterococcus durans
- Joseph Picerno

The Effects of Varying Levels of Methylparaben on the USP <51> Preservative Effectiveness Test
- Paul Raniera

Prevalence of Salmonella in Venomous and Nonvenomous Snakes Maintained in a Zoological Collection
- Eden Stark

The Usage of Frozen Saliva to Form Biofilms
- Jessen Venord

PROFESSIONAL MEETINGS (2014-2015)

Blaize, J.
Microscopy & Microanalysis Conference, Hartford Ct.
NYC Science & Engineering Fair, City College

Cook, H.
Genetics Education and Outreach Mentor Presentation
Staten Island Technical High School

Corbo, C.
Microscopy & Microanalysis Conference; Hartford CT
American Society for Microbiology, New York City

Palestis, B.
Annual Meeting of Waterbird Society, La Paz, Mexico
Animal Behavior Society, Princeton University
Greater NY/NJ Harbor Colonial Waterbirds Fort Wadsworth
International Society for Behavioral Ecology, Hunter College
Festschrift for Daniel I. Rubenstein, Princeton University

Stearns, D.
Association of American Colleges and Universities Centennial Symposium, Washington, D.C.

PRESENTATIONS

Palestis, B., J. Burger, and M. Gochfeld (2014)
Population-wide decrease in the common terns of Barnegat Bay, New Jersey, Waterbird Society

Palestis, B.G. (2014)
The zebrafish as a model organism for undergraduate animal behavior research, Animal Behavior Society

Stearns, D. 2015
“Teaching and learning with a sense of community. Keynote address, 47th Annual M.A.C.U.B., Molloy College

PUBLICATIONS

Fluid absorption in the isolated midgut of adult female yellow fever mosquitoes (Aedes aegypti).
“Alumni Fund for Thesis Research in Biological Sciences”

This is the seventh year of the “Alumni Fund for Thesis Research in Biological Sciences” that was established in 2009 by our Professor Emerita Ammini Moorthy. Many of you have responded with generous gifts enabling over 40 seniors in the academic years 2014 and 2015 to complete their senior thesis research using this fund.

Your generosity helps our undergraduate and graduate students majoring in biology, microbiology and biopsychology. All contributions are tax deductible, and will be recognized in the Limulus and the Wagner College Annual Report. Whatever you send will be used solely for research by students. This is a worthy endeavor; one that plays a crucial role in shaping the future of those who are following in your footsteps.

Our students exhibit the results of their research at several prominent events and receive accolades. Recently, Microbiology major Meghan Morrissey, whose research mentor was Professor Kathleen Bobbitt, won an excellence award for her manuscript, “The Effect of Five Plant Extracts on Serratia marcescens for Medicinal Significance” at E.C.S.C.

Biology majors Michael Cataldo and James Ducey, whose research mentor was Professor Jonathan Blaize, won a best presentation award for their poster presentation, “Three-Dimensional Reconstruction of Planarian Micrographs in Search of Human Proto-Oncogene Orthologs” at E.C.S.C.

We are proud to have our graduates being accepted to medical, veterinary, optometry and dental schools, going on to graduate school, and beginning exciting careers in public and private industries. Michael Cataldo (’15) has been accepted into NYIT-COM for Osteopathic Medicine, Maria Papaioannou is attending Ohio State University College of Veterinary Medicine, and Alexandria Zummo (’14) is in the Physician Assistant Masters Program at Hofstra University.

Having resources available to complete their theses research unquestionably facilitated their successes. You made it happen, and we are grateful for your support.

HOW TO CONTRIBUTE –

donate online:
http://wagner.edu/alumni-friends/giving/

Please indicate “Biological Sciences Research Fund”
Account Number 1292

Donate by check:
“Wagner College Biological Sciences Research Fund”
Dept. of Biological Sciences
Wagner College, One Campus Road,
Staten Island, New York 10301

Please consider sponsoring one ($400) or two ($800) students today.

THANK YOU!
Alumni and friends support our students by giving to the “Research Fund.” Since its inception in 2009, the following people have given their very generous support.

We thank you in advance for your continued support!

Dr. Deborah Aanonsen
Dr. Robert & Mrs. Kerry Agnello
Ms. Lisamarie Alba
Dr. Paul & Mrs. Helen Albicocco
Dr. John Catanzaro
Dr. Danielle Cavallo
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Dr. Hakan & Mrs. Grace Usal
Dr. Diane Vigar

(Please notify Limulus for any errors in the above.)
SO THAT’S HOW THEY GET OUT!!
The mystery is finally solved…..

GUIDELINES FOR WRITERS:
Please e-mail to jonathan.blaize@wagner.edu
Please submit photographs as separate files (jpg is the preferred file format) attached to the e-mail.
All contributions will indicate the author’s identity and are reviewed before publication. The editor reserves their right to edit contributions.

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