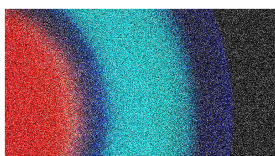
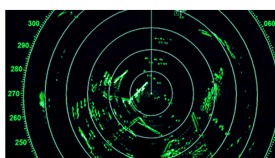
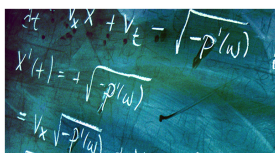
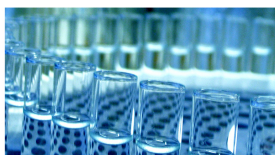
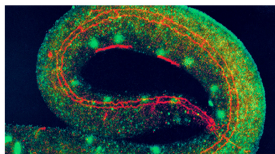


UMBC

AN HONORS
UNIVERSITY
IN MARYLAND



The Twelfth Annual Student Recognition Day

May 11, 2017

3:30 p.m.

University Ballroom

*COLLEGE of NATURAL and
MATHEMATICAL SCIENCES*

UMBC

AN HONORS UNIVERSITY IN MARYLAND

Dean's Message



As Dean of the College of Natural and Mathematical Sciences, I welcome you to our twelfth annual Student Recognition Day.

Student Recognition Day is a special event in the life of our College when we gather to celebrate and honor the achievements of our graduate and undergraduate students. We also use this opportunity to proudly recognize our exceptional faculty and staff for their invaluable service in teaching, mentoring and guiding our students. Family and friends play an important role in supporting the success of our students and deserve our thanks.

Many of the undergraduates receiving awards today will be graduating at the end of the semester and will go on to study at graduate or professional schools, or to begin rewarding jobs in the workplace or maybe even start their own businesses. While we will miss them when they leave us, we are confident that they received an exceptional educational experience here at UMBC. We look forward to hearing about their many successes in the future, and we are proud that they will become the next generation of alumni of this special place called UMBC, which is truly an Honors University in Maryland.

William R. LaCourse, Dean

The Twelfth Annual Student Recognition Day

3:30 p.m. Welcome

Dr. William R. LaCourse, Dean

3:35 p.m. Special Award Sponsors

Greg Simmons, Office of Institutional Advancement

3:40 p.m. 2017 Carl Weber Award for Excellence in Teaching

Steven Caruso, Senior Lecturer, Department of Biological Sciences

STUDENT AWARDS

Introduction: *Dr. Kevin Sowers, Department of Marine Biotechnology*

Department of Naval Sciences ROTC

CAPT Troy Mong, Department of Naval Science

Department of Chemistry and Biochemistry

Dr. Zeev Rosenzweig, Department Chair

Department of Physics

Dr. L. Michael Hayden, Department Chair

Department of Mathematics and Statistics

Dr. Rouben Rostamian, Department Chair

Department of Biological Sciences

Dr. Philip Farabaugh, Department Chair

4:30 p.m. Special Group Recognition and Closing Remarks

Dr. William R. LaCourse, Dean

Please join us for the reception

Carl S. Weber

Excellence in Teaching Award

Steven Caruso - 2017 Award Winner



Steven Caruso is a senior lecturer in the Department of Biological Sciences at UMBC. He attended UMBC where he completed B.S. degrees in Biological Sciences and Psychology and a Ph.D. in Biological Sciences. Dr. Caruso joined the faculty of Department of Biological Sciences in 2001. An innovative teacher, he has taught a variety of laboratory and non-laboratory courses and currently teaches genetics, microbial and molecular biology, and bacteriophage genomics courses. In 2008, he was appointed as an Honors College Faculty Fellow and also began teaching eBiology - Phage Hunters I and II, a two-semester investigative lab course to non-STEM majors, which was then sponsored by the Howard Hughes Medical Institute, Science Education Alliance. In 2011, Dr. Caruso changed the focus of the Phage Hunters courses to provide biology majors with opportunities to engage in genuine, publishable research as part of their classwork. Undergraduate poster sessions that Dr. Caruso hosts and promotes each spring and fall in the lobby of the Biological Sciences building ensure that students in his laboratory courses have the opportunity to share their discoveries with the UMBC community.

About the Carl S. Weber Award



This award was established in 2006 in memory of Dr. Carl Weber, Assistant Professor Emeritus in the UMBC Department of Biological Sciences, as a tribute to his passion for classroom teaching. The annual award honors a faculty member at UMBC with exceptional dedication to teaching as demonstrated by his or her enthusiasm, up-to-date teaching materials, effective mentoring, community service in the teaching area, approachability, rigorous learning requirements, coherent teaching philosophy and inspirational teaching style.

AWARDS Department of Naval Sciences

Awards will be presented by Captain Troy Mong

Academic Excellence

Benjamin Dunlap

Kimberly Spadafora

Physical Fitness Excellence

Joshua Bondoc

Michael Metler

Connor Robison

Leadership Excellence

Ghazi Nazzal

All-Around Performance Award **Michael Metler**

AWARDS

Department of Chemistry and Biochemistry

Awards will be presented by Dr. Zeev Rosenzweig.

Analytical Chemistry Award; American Chemical Society (ACS)

Nicholas Vaccaro

Faculty Award for Excellence in Chemistry

Laura Satterfield

Evan Yang

John Mittino Award for Service

Gabriella Balaa

Outstanding Graduating Senior in Chemistry

*(Sponsored by the Department and the American
Institute of Chemists Foundation—AICF)*

Gabriella Balaa

The Vitullo Award for Undergraduate Research

Luca Santinelli

Faculty Award for Excellence in Biochemistry

Ryan Atkinson

Heather Frank

Outstanding Graduating Senior in Biochemistry

*(Sponsored by the Department and the American Institute of Chemists
Foundation—AICF)*

Josh Amason

Justine Lottermoser

Hannah Carter

Rima Sakhawala

The Donald Creighton Scholarship

Justine Lottermoser

The Lise Satterfield Scholarship

Arissa Falat

William C. and Gregory O. Faith Award : *awarded to an
outstanding junior biochemistry student who plans to attend Graduate or
Professional School*

Sam Giannakoulis

Chesapeake Chemist Award

Heather Frank

2017 Outstanding Graduate Teaching Assistant Award

Evgenia Barannikova
Jacquelyn Cuning

Kenny Childers
Noah Robinson

Description of Awards and Sponsors

American Institute of Chemists Foundation (AICF)

This foundation has awarded a student association membership, subscription to its peer-reviewed journal, and other benefits to an outstanding UMBC undergraduate chemist annually for many years.

UNCF/Merck Undergraduate Science Research Scholarship Award

This award is intended to help African American undergraduate students who are interested in science to further their science education and potentially pursue science and engineering careers. The UNCF/Merck awards provide tuition support and opportunities for research experience in a state-of-the-art research facility.

The American Chemical Society, Maryland Chapter

This chapter has presented an annual award with a copy of the Merck Index and other benefits to a top UMBC undergraduate chemist at its annual spring luncheon for many years. This group sponsors the Chesapeake Chemist award for another top UMBC undergraduate chemist this year.

HYPERCUBE

A computer modeling software company based in Gainesville, Florida, provides an annual award of software to a student planning an advanced degree in the chemical or life sciences.

Victor P. Vitullo and John R. Mittino Memorial Fund



Dr. Victor Vitullo

This memorial endowment fund for the Department of Chemistry and Biochemistry at UMBC was created in 2001. This fund honors, in perpetuity, the memory and legacy of Dr. Victor P. Vitullo, Professor of Chemistry, and the memory of John R. Mittino, a Chemistry/Biochemistry student who worked in the department, who died in an untimely accident. In addition to providing annual awards to undergraduate and/or graduate students, the fund also supports seminar speakers and other appropriate educational activities in the fields of Chemistry and Biochemistry at UMBC.

No photo available for John R. Mittino

The Donald Creighton Scholarship



This award was established by Dr. Creighton's widow, Arlene, and his family and friends following Don's passing in 2006. Professor Creighton began working at UMBC in 1975 and his research was internationally recognized as being at the forefront of enzymology. This award supports a student studying chemistry or biochemistry.



*(Dr. Lise Satterfield,
Class of '84, with
husband, Peter B. Bell,
Class of '74.)*

The Lise Satterfield Scholarship

Beginning in 2002, UMBC Alumna Dr. Satterfield has provided an annual scholarship to an outstanding junior undergraduate chemistry student at UMBC who has research experience.

The William C. and Gregory O. Faith Scholarship



*Left to right: Gregory and William Faith
with parents, Florence and Lawrence Faith*

This memorial endowment was established in June 1992 by friends and family of William C. and Gregory O. Faith; twin brothers who graduated from UMBC in 1973. This fund supports annual scholarships that are awarded to students at UMBC who are interested in Biological Sciences, Chemistry and Biochemistry and who intend to pursue careers in health.

The Biochemistry and Molecular Biology major at UMBC is jointly administered by the Departments of Biological Sciences & Chemistry and Biochemistry.

AWARDS

Department of Physics

Awards will be presented by Dr. L. Michael Hayden

Donald N. Langenberg Undergraduate Research Award

Natalie DeNigris

Joseph F. Mulligan Memorial Lectureship

Natalie DeNigris

Outstanding Graduating Senior in Physics

Marina Congedo

Natalie DeNigris

Brian Koch

Jonathan Luckin

Benjamin Price

Kevin Whitley

Michael Wolfe

Outstanding Graduate Teaching Assistant for Fall 2016

Mary Keenan

Outstanding Graduate Teaching Assistant for Spring 2017

Paul Burkins

Outstanding Undergraduate Learning Assistant for Spring 2016 and Fall 2016

Rachel Woo

Outstanding Undergraduate Learning Assistant for Fall 2016

Benjamin Zidek

2016 - 2017 Undergraduate Research Award

Kyle Belluomo

Natalie DeNigris

Jonathan Luckin

Benjamin Price

Sigfredo Soto-Diaz

Kevin Whitley

Michael Wolfe

Description and Sponsor of Award

Joseph F. Mulligan Memorial Lectureship



This lectureship was established in 2005 by Eleanor W. Mulligan in memory of her husband, Joseph F. Mulligan, a former Professor of Physics at UMBC, who had a desire to encourage young people to become interested in physics. It is awarded to an undergraduate or graduate student who proposes to spend a year researching an historical aspect of a physicist or a physics-related event followed by a public lecture on his or her research.

Donald N. Langenberg Undergraduate Research Award



This award is an award based on a gift by UMBC president Freeman Hrabowski in honor of Dr. Donald Langenberg, the previous Chancellor of the University System of Maryland.



"Sigma Pi Sigma exists to honor outstanding scholarship in physics; to encourage interest in physics among students at all levels; to promote an attitude of service of its members towards their fellow students, colleagues, and the public; to provide a fellowship of persons who have excelled in physics. Sigma Pi Sigma's mission is not completed in the induction ceremony with the recognition of academic accomplishment. In the four dimensions of Honor, Encouragement, Service, and Fellowship, the mission of Sigma Pi Sigma takes a longer view." sigmapisigma.org

2017 Sigma Pi Sigma Inductees

Natalie DeNigris
Adam Goad
Greg Huxtable

Philip Rund
Sigfredo Soto-Diaz
Michael Wolfe

AWARDS

Department of Mathematics and Statistics

Awards will be presented by Dr. Rouben Rostamian

**Dr. Bimal and Mrs. Suchandra Sinha Endowment for Excellence
in Statistics Research (Graduate) and (Undergraduate)**

Iris Gauran

Mai-Han Trinh

Outstanding Graduate Research in Mathematics

Zois Boukouvalas

Juyoung Jeong

Outstanding Graduating Senior in Mathematics

Samantha Furman

Sarah Henry

Sophia Haire

Rachel Linder

Tessa Helble

Jonathan Luckin

Outstanding Graduating Senior in Statistics

Claire Hempel

Jeremiah Quijote

Hayley Richardson

The Michelle P. Hayes Scholarship

Puja Trivedi

Freeman A. Hrabowski Presidents's Advisory Council

Scholarship: *Mathematics majors, are juniors, have
completed at least one semester at UMBC, and have a
4.0 cumulative GPA*

Bobak McCann

Theodore Weinberg

Description of Sponsors and Awards



Dr. Bimal and Mrs. Suchandra Sinha Endowment for Excellence in Statistics

This award was established in 2012 by Dr. Bimal and Mrs. Suchandra Sinha. The funds provide annual awards to excellent undergraduate and graduate students studying statistics .



The Michele P. Hayes Scholarship

This award was established in 1998 by Michele P. Hayes, Class of '85. The funds provide scholarship support to a student majoring in mathematics.



Freeman A. Hrabowski President's Advisory Council Scholarship

This award was established in 2003 by the President's Advisory Council as an ongoing tribute to University President, Freeman A. Hrabowski. The funds provide scholarship support to an undergraduate mathematics major at UMBC.

AWARDS

Department of Biological Sciences

Awards will be presented by Dr. Philip Farabaugh

2017 Outstanding Graduate Teaching Award

Mary Donohue

Evangeline Shank

Department Service Award

Emily Hillman

Faculty Award for Excellence in Biological Sciences

Cynthia Alms

Amelia Hallworth

Kritika Chugh

Evan Yang

Austin Gabel

John H., Sr. and Althea Griner Scholarship

Cierra McKoy

Oluwatomiswa Oladunni

Outstanding Graduating Senior in Biological Sciences (Awarded to graduating seniors for excellence in the classroom)

Jaelyn Bos

Outstanding Graduating Senior in Biological Sciences

Katelyn Callaghan

Amelia Smith

Amanda Day

Julianna Sun

Lauren Day

Theresa Tran

Jackson Narrett

Rita Younes

Himadri Patel

Tiffany Zhang

Roger Michael Davis Endowed Scholarship

Daniel Morris

Sandoz Undergraduate Teaching Award

Amy Hoffman

Otto Klotzel Musall and Otto Musall Scholarship

Daniel Lim

Joe Skowronski

AWARDS

Department of Biological Sciences (continued)

Thomas V. Marsho and Martin Schwartz Memorial Fund

Kristina Atanasoff

Ann Cirincione

Sylvia Edoigawerie

Ekaterina Goryunova

Rebekah Rashford

Linda Wiratan

Description of Sponsors and Awards

John H. Sr. and Althea Griner Scholarship Fund

Established in 1987, the fund was started by Dr. Winston Griner, Class of '74, in honor/memory of his parents. An award is given annually to outstanding first year undergraduates who are planning to pursue biological sciences as a major and who have completed their first year of school at UMBC with demonstrated commitment to the advancement of minorities in the sciences. (*Selection is made during the summer*)

Roger Michael Davis Endowed Scholarship

Established in 1998 by Gloria Y. Davis Furrer in memory of her brother, Roger Michael Davis, who received his Ph.D. from UMBC in 1986 and taught Introductory Biology and Introductory Biology Lab at UMBC for many years. Annual scholarships are awarded to full-time undergraduate students at UMBC who demonstrate promise and intend to major in the Biological Sciences.

The Otto and Helen Musall Endowment

Established in 2001 by Panamerican Consulting International Limited, Dr. John Kloetzel, Associate Professor Emeritus, was the nephew of the late Otto and Helen Musall. This scholarship was established after Dr. Kloetzel's retirement from UMBC's Department of Biological Sciences to support select students majoring in the biological sciences.

The Helen Kloetzel and Otto Musall Quasi-Endowment

Helen Kloetzel and Otto Musall Quasi-Endowment was established after the retirement of Dr. John Kloetzel, Associate Professor Emeritus, to provide scholarship support to a student in the Department of Biological Sciences who plan to teach science in K-12 after graduation.

The Richard E. Wolf, Jr. Scholarship Award

Dr. Karan Odom is the 2017 recipient.

Established in 2000 by Dr. and Mrs. Richard E. Wolf, Sr. in honor of their son, Professor Richard E. Wolf, Jr., to recognize exceptional dissertation research that has made significant contributions to disciplines within the biological sciences.

Phi Beta Kappa

Founded at the College of William and Mary in 1776, Phi Beta Kappa is the oldest and, by general agreement, the most prestigious academic honor society in the country. As potential candidates for the degree *magna cum laude* and having pursued a broad curriculum of liberal studies well beyond minimal institutional requirements, the following CNMS majors are among a select group of students invited to join Phi Beta Kappa by the Eta Chapter of Maryland.

Congratulations to the following new invitees with majors in the College of Natural and Mathematical Sciences.

Michael Agnello	Amelia Hallworth	Benjamin Price
Kemi Akinola	Stormy Hill	Jeremiah Quijote
Jaelyn Bos	Emily Huang	Prasiddha Ramachandran
Ryan Brenner	Obinna Kalu	Rima Sakhawala
Clark Butler	Waqar Khan	Laura Satterfield
Kathleen Carino	Artaza Khan	Lara Stefansson
Richard Ching	Rushmie Kulkarni	Theresa Tran
Marina Congedo	Quynh Le	Nevin Varghese
Lauren Day	Jonathan Luckin	Jonathan Werner
Natalie DeNigris	Simon Maxwell	James Whitehead
Austin Gabel	Kidusan Negash	Kevin Whitley
Lavanya Garnepudi	Emily Plasterer	Rita Younes
Ben Gillingham	Julia Prentiss	Tiffany Zhang

ABOUT OUR AWARDEES

Cindy Alms This May I am graduating with a B.S. in biological sciences and minor in chemistry. At UMBC I served as a learning assistant, supplemental instruction leader, and tutor in my favorite subject, organic chemistry. Next Fall, I will be attending Lake Erie College of Osteopathic Medicine.

Joshua Amason My degree in Biochemistry and Molecular Biology from UMBC has prepared me for a wide range of fields. At some point in time I wish to pursue a graduate degree in one of these fields, however, I currently have not decided which graduate degree I want to pursue.

Kristina Atanasoff I am a freshman biology major in the Honors College. Currently I work in Dr. Leips's lab researching variation in fruit flies, and this summer I will research influenza viruses at the University of Zurich. After graduating, I hope to get a PhD in immunology and study infectious diseases.

Ryan Atkinson Member of the Dean's list every semester at UMBC. Contributed to two tumor immunology publications as a member of the Rosenberg lab. Will attend the University of Southern California School of Medicine this upcoming fall on the Air Force Health Professions Scholarship Program.

Gabriella Balaa After graduation, I will be pursuing a Masters of Arts in Teaching at UMBC. With the combination of my chemistry degree and education degree, I hope to teach high school chemistry. I look forward to helping not only cultivate students' knowledge, but also in nurturing an enthusiasm for chemistry.

Evgenia Barannikova Upon completion of my Ph.D., my goal is to obtain a position in a government or industrial lab, where I can contribute to research that requires interdisciplinary set of skills, and eventually lead research teams to pioneer novel work in the field of energy and nanoscience.

Kyle Belluomo I am an undergraduate researcher in Dr. Matthew Pelton's Nanophotonics lab studying metal nanoparticles. I've worked in this lab for the past three years and have presented this research at both SURF and URCAD at UMBC. I was also a Learning Assistant for the PHYS 122 course at UMBC for two years.

ABOUT OUR AWARDEES *(continued)*

Joshua Bondoc Joshua is a Political science major and achieved a 3.3 GPA in his first semester at UMBC. He is apart of the NROTC unit and plans to commission as a surface warfare officer in the U.S. Navy. He plans to continue his education while in the navy and become a lawyer after his service.

Jaelyn Bos I am a double major in biology and environmental science, and a member of the Honors College. I am also a research assistant in the GES Department and a service learning coordinator through the Shriver Center. Next year I will be teaching high school biology with the Peace Corps in Mozambique.

Zois Boukouvalas Zois Boukouvalas received his B.S. in mathematics from University of Patras (Greece) (2008). In 2011, he became a graduate student at UMBC, where he received an M.S (2013) in applied mathematics. He is expecting to receive his Ph.D. degree in applied mathematics in May 2017.

Paul Burkins Graduating August 2017 with PhD in Applied Physics

I am looking to work for a national lab or a government research facility, but would love to teach physics and mathematics at the college level. Teaching has always been a passion of mine and it gives me a way to help others.

Katelyn Callaghan Since beginning my education at UMBC as a biology major and student-athlete in 2013, I have been able to maintain a 4.0 GPA, while also competing on the Division 1 Cross Country and Track & Field teams. This August, I will start enrollment at the University of Maryland, School of Pharmacy.

Hannah Carter After working in Dr. Summers' lab for the last two years, Hannah will graduate this year with an Honors College certificate and a degree in Biochemistry and Molecular Biology. She will start a post-bac position in August at the NCI in Frederick, and hopes to pursue an MD/PhD degree thereafter.

Kenneth Childers I obtained my BS in Biochemistry at the Univ. of Arizona in 2012 and joined UMBC after graduation. I have presented at countless conferences including the UMBC Biotech Symposium, where I was awarded Best Oral Presentation. After graduation, I plan to continue working with talented undergraduates.

ABOUT OUR AWARDEES *(continued)*

Kritika Chugh Kritika is a Meyerhoff and MARC scholar. She plans on pursuing a medical degree after taking a gap year.

Ann Cirincione I am a junior Bioinformatics and Computational Biology major conducting research in the lab of Dr. Maricel Kann. I am a Meyerhoff scholar, a MARC U*STAR scholar, and I plan to attend graduate school to receive my Ph.D. in Bioinformatics.

Marina Congedo Marina graduates in May with degrees in Physics and Ancient Studies, is a member of the UMBC Honors College, Phi Beta Kappa Honors Society, and is treasurer of the Society of Physics Students. Marina has researched nanoimaging of geological samples, wind turbine power optimization, and worked at the Naval Surface Warfare Center at Carderock. After graduation, Marina will be working at the Johns Hopkins Applied Physics Lab.

Jacquelyn Cunning Jacquelyn earned a Masters Degree in chemistry from UMBC in 2014, and is currently a Ph D Candidate with a focus on sensor development in analytical chemistry. Upon graduation, Jacquelyn hopes to pursue a professorship at an undergraduate university.

Amanda Day Member of Omicron Delta Kappa, Phi Beta Kappa, and Phi Kappa Phi Honors Societies. President's list and Dean's list all 4 years. America East All-Academic Team in 2015 and 2017 (for swimming). Taking a gap year, and then applying to vet schools.

Lauren Day Graduating Summa Cum Laude; President's List and Dean's List; Winner of the Elite 17 Award for the America East Athletic Conference; Member of Phi Kappa Phi, Phi Beta Kappa, and Omicron Delta Kappa Honors Societies; Plans to attend medical school following a gap year.

Natalie DeNigris I will be pursuing my Ph.D. in Astronomy at University of Massachusetts - Amherst in the Fall. While attending UMass, I will continue working at NASA Goddard Space Flight Center as an electrical engineering intern through the NASA Pathways program.

ABOUT OUR AWARDEES *(continued)*

Mary Donohue I am a PhD Candidate and study extraocular photoreception in mantis shrimp, teach BIOL 300L (Experimental Biology Laboratory), and volunteer at the National Aquarium. I will pursue a career teaching in academia or with a nonprofit organization.

Benjamin Dunlap Active Duty Marine attached to Naval ROTC Maryland Consortium. Joined UMBC in Aug. 2016. Earned a 3.786 GPA during the Fall16 semester. Pursuing career as a Commissioned Officer. Goals: MLL Russian major & International politics minor.

Sylvia Edoigiawerie I am currently conducting research on stem cell niche maintenance in fruitflies in the lab of Dr. Starz-Gaiano. My goal is to pursue an MD-PhD.

Arisa Falat GPA: 4.0; Member: Honors College, Pre-Pharmacy Society; Student Ambassador - Undergraduate Admissions; Teaching Assistant - Biol 302, Biol 303; Undergraduate Researcher and 2017-2018 URA Scholar: The Seley-Radtke Lab; UMSOP intern; Future plans: PharmD - clinical pharmacy and drug design research.

Heather Frank My dedication as a research assistant in Dr Summers lab has allowed me to publish my work in PNAS. I am also in the founding cohort of Hill-Lopes Scholars and graduating summa cum laude. In the fall, I will attend Harvard University in pursuit of my PhD in the Molecules, Cells and Organisms program.

Samantha Furman Achievements: Presidents list, Academic Honors, UMBC Researcher of the Week, Meyerhoff Scholar, MARC U*STAR Scholar
Educational plans: I will attend the joint program at Carnegie Mellon & University of Pittsburgh to pursue a PhD in computational biology.

Austin Gabel I will be attending the MD/PhD program at the University of Washington. I hope to become a principal investigator at an academic hospital.

ABOUT OUR AWARDEES *(continued)*

Iris Ivy Gauran Iris Ivy M. Gauran is a PhD Statistics candidate and is currently working with Dr. Junyong Park and Dr. DoHwan Park on Multiple Testing Procedures controlling False Discovery Rate with applications to genomic data.

Sam Giannakoulis I plan to graduate from UMBC with two degrees. One in biochemistry and one in mathematics, as well as with a minor in philosophy. After graduation, I plan to earn a PhD in bio-mathematics. I hope to apply these skills over a large area of research and one day be the investigator of my own lab.

Adam Goad My academic achievements include Meyerhoff Scholar, Phi Kappa Phi Member, President's List, APS March Meeting 2017 Presenter, APS GMAG Awardee, and CRLA Level II Advanced Tutor. Upon graduation, I will pursue a PhD in Materials Physics.

Ekaterina Goryunova I am a Sherman scholar. Last semester I was included into the President's list. I am graduating UMBC in May 2018 with a Bachelor of Science in Biology and Teaching certification. I am planning to teach biology at high-needs schools and inspire youth to pursue a career in science.

Sophia Haire Sophia is a senior Center for Women in Technology Scholar and Google Anita Borg Memorial Scholar. In September, she will begin an AmeriCorps year with the Community Technology Empowerment Program in Twin Cities, MN, after which she plans to pursue a Ph.D. in sociology and applied statistics.

Amelia Hallworth Amelia Hallworth is a biology major with a minor in mathematics. Amelia has done research in Dr. Lu's lab for three years, during which time she received two URAs and wrote a thesis on the work. Amelia will graduate this May and will begin a PhD in microbiology at Yale University in the fall.

Tessa Helble In addition to my studies, I am a grader for the Math and Stat department and tutor student-athletes in related courses. During the summers, I completed the REU program at UMBC and held an intern position at Booz Allen Hamilton. Upon graduation, I will work for Johns Hopkins Applied Physics Lab.

ABOUT OUR AWARDEES *(continued)*

Claire Hempel While at UMBC I have assisted with research and completed internships at The Hershey Company, Kaiser Permanente, and CareFirst BlueCross BlueShield. I plan to pursue a career where I am analyzing data about individual behavior.

Sarah Henry I am expecting to graduate this semester with a B.S. in Mathematics and minors in Computer Science and Statistics. After graduation, I plan on working as a data analyst for the summer and then transitioning to a full-time data-modeling position at the Johns Hopkins Applied Physics Lab.

Emily Hillman I have had the honor to be President of Biology Council of Majors, be a founding class member of PhiDE Medical Fraternity and participate in the national club tennis tournament with the UMBC team. After graduation, I plan on applying to medical school to continue my journey of becoming a physician.

Amy Hoffman While at UMBC I was a member of the Sondheim Public Affairs Program and the Honors College. I also was a France Merrick scholar and received the Jacob Blaustein Public Affairs scholarship. This year I will be applying for medical school in order to pursue a career as a primary care physician.

Greg Huxtable I am a math and physics double major. I plan on going to graduate school in fall 2018 to pursue a PhD in physics.

Juyoung Jeong I am a Ph.D. student specializing in optimization and Euclidean Jordan algebras. During research, I studied spectral sets and functions using algebra automorphisms and majorization. I am currently working on relating my results to nonlinear complementarity problems, pursuing an academic career.

Mary Keenan Mary is currently a 2nd year graduate student in the Physics Department. She is working on unification schemes for active galactic nuclei under the supervision of Dr. Eileen Meyer.

Brian Koch I have been on the President's list three times, the Dean's List twice. I have conducted research in Bidirectional Reflectance, as well as assisting with software development for the Hyper Angular Rainbow Polarimeter (HARP) project. After graduation, I will be an Investment Fellow at T. Rowe Price.

ABOUT OUR AWARDEES (*continued*)

Daniel Lim At UMBC, I am a member of the Honors College and also a Sherman Scholar. I plan to pursue a Masters of Arts in Teaching at UMBC directly after graduating, enrolling in our school's 12-month MAT program. After finishing my Masters, I hope to find a job as a high school Biology teacher.

Rachel Linder Rachel's academic accomplishments include making Dean's List every semester and participating in nationally selective summer research programs. In the future, she wants to attend graduate school and work in mathematics or technology education.

Justine Lottermoser Receiving a Goldwater Honorable Mention and being a Fulbright Finalist (Netherlands) have emboldened me to pursue my PhD. I will be joining the Physiology, Biophysics, and Systems Biology Program at Weill Cornell Graduate School of Medical Sciences this fall.

Jonathan Luckin Graduating with a 4.0 in BS Math & Physics. Had two internships which focused on computer science and programming. Spent a summer doing astronomy research at Leiden University, in the Netherlands. Received a URA to study the energy content of lobes in radio galaxies and presented results at URCAD.

Cierra McKoy Last Summer I was accepted into the Meyerhoff Scholars program and it is largely because of their and my family's support that I finished last semester with a 4.0 and made the Dean's List. After undergrad, I plan to enroll in a DVM/Ph.D. program then pursue a career working with large, wild mammals.

Michael Metler Hi! I am studying Computer Science, and I am a Midshipman in UMBC's new NROTC unit. I plan on commissioning into the U.S Navy upon graduation, and serving my country proudly as a Surface Warfare Officer. My recent selection for a National NROTC scholarship will allow me to reach this goal. Go Navy!

Daniel Morris Daniel is a junior biochemistry major and an Honors College Scholar. He is involved as a teaching assistant for the Genetics & Molecular Biology courses and a research assistant with Dr. Michael Summers. Daniel plans to pursue a Ph.D. in Virology to direct his research efforts toward vaccine design.

ABOUT OUR AWARDEES *(continued)*

Jackson Narrett *No statement of achievement was available at the time of program printing.*

Ghazi Nazzal Ghazi Nazzal is a 3rd class Midshipman within UMBC's Naval Reserve Officer Training Corps Program and has been with the unit since its establishment. He is a Business Technology Major with a cumulative GPA of 3.5. He plans on graduating and Commissioning into the United States Navy in Spring 2019.

Oluwatomiwa Oladunni My goal is to obtain an M.D/Ph.D in Neuroscience. I have had the honor of becoming a Meyerhoff Scholar and being added to the Presidents List. I will be conducting research at UT Southwestern this summer. I plan on gaining more research experience and starting a mentoring program for youth.

Himadri Patel I am a current senior, double majoring in Biological Sciences (B.A) and Interdisciplinary Studies (B.S). I am graduating this Spring and will be attending Penn State College of Medicine in the fall. My academic achievements include conducting independent research in Dr. Quiton's Pain lab at UMBC.

Benjamin Price Ben will be graduating this spring with a BS in physics, a BA in philosophy, and a minor in Mathematics. He will be taking a year off before pursuing a PhD in high-energy physics. He plans to spend some of his gap year traveling, and the rest as a research intern.

Jeremiah Quijote I am a Mathematics and Statistics double major and Computer Science and Japanese double minor. I've worked with Dr. Erin Green and Dr. DoHwan Park on analyzing gene expression data to generate insights on a set of methyltransferases. My career goal is to do analytical research.

Rebekah Rashford I am currently finishing my junior year as a Biology major with a minor in Creative Writing. I work as a biology tutor for the Learning Resources Center as well. I am planning to pursue a PhD in neuroscience upon graduating from UMBC.

Hayley Richardson Hayley is a statistics major and a Meyerhoff Scholar. She has conducted research in Dr. Kevin Omland's lab at UMBC, as well as at Columbia University and the Children's Hospital of Philadelphia. In the fall, she will attend the University of Pennsylvania to pursue a PhD in biostatistics.

ABOUT OUR AWARDEES *(continued)*

Connor Robison My name is Connor Robison and I am a freshman at UMBC. I am a Geography and Environmental Science Major and a part of the Naval ROTC Program. As well as ROTC, I am a part of the UMBC Swim Conference Championship Team. I aspire to commission as a Naval Officer and work to protect the environment.

Noah Robinson *No statement of achievement was available at the time of program printing.*

Philip Rund In 3 years at UMBC, I have grown so much with the Physics Department, from making the Dean's List each semester to acceptance into honors societies like Phi Kappa Phi and Sigma Pi Sigma. In the future, I hope to start a career in professional research starting this summer in a NASA research program.

Rima Sakhawala After graduation, I will continue to pursue my research interests as a Postbac IRTA trainee at the National Institutes of Health before applying for admission to PhD programs in neuroscience.

Luca Santinelli Student athlete on the swimming team, chemistry BS and planning on continuing studies in the field of quantum mechanic, either physics or chemistry.

Laura Satterfield Currently in first year of Ph.D. in Chemistry at UMBC for physical, organic, and/or inorganic chemistry. B.M. in Music Education, Shenandoah University, 2011, magna cum laude; B.S. in Chemistry, UMBC, Dec 2016, summa cum laude. Interned in Dr. Ghosh's lab in the TRC as an undergrad. Phi Beta Kappa.

Evangeline Shank I attended WSU where I received my BS in Ecology. I am now in the PhD program at UMBC in Biological Sciences, where I also teach human anatomy. I have presented at 4 scientific conferences, and have been a participating researcher in 8 unique studies throughout biology and evolution.

Joseph Skowronski Joe is a Biochemistry and Molecular Biology major, as well as a Sherman Scholar and a member of the UMBC Honors College. After college, he plans to teach high school Chemistry and/or Biology.

ABOUT OUR AWARDEES *(continued)*

Amelia Smith Amelia is a senior biology/psychology double major and a URA scholar. She works with Dr. Starz-Gaiano in the Drosophila lab and has participated in URCAD and SURF. She also presented a spaceflight experiment proposal at the National Air and Space Museum. Amelia plans to attend veterinary school.

Sigfredo Soto-Diaz I hope to get a job in the privat sector and move on to a graduate degree soon after.

Kimberly Spadafora I am a Mechanical Engineering major and in my first semester at UMBC, I earned a 3.79 GPA. My career goals are to become Pilot as an Officer in the United States Navy.

Julianna Sun I am an undergraduate researcher in Dr. Weihong Lin's lab studying the olfactory system in mice. I also have served as a peer mentor to the STEM LLC and Science 101 Lab. After graduating, I will be attending Colorado State University to pursue a PhD in Neuroscience.

Theresa Tran University of Maryland, Baltimore School of Dentistry

Mai-Han Trinh Mai-Han is a member of the Honors College and is a 2017-18 Undergraduate Research Award Scholar. She currently interns with Children's National Health System and has also interned at the NIH. Mai-Han plans to use her statistics knowledge to study epidemiology with a focus in health disparities.

Puja Trivedi I am a sophomore majoring in mathematics and computer science as well as a member of the Meyerhoff Scholars Program. This summer, I will be conducting research in machine learning at the Princeton Neuroscience Institute. I plan to pursue a PhD. in applied mathematics or computer science.

Nicholas Vaccaro *No statement of achievement was available at the time of program printing.*

Theodore Weinberg I am a mathematics major and member of the Honors College. Currently, I work on research related to finite elements with Dr. Sousedik. I plan on applying to graduate schools in the near future.

ABOUT OUR AWARDEES *(continued)*

Kevin Whitley Kevin will be graduating this spring with a BS in Physics, as well as minors in Mathematics, Astronomy, and Music. He engages in astrophysics research under Dr. Eileen Meyer. Starting this fall, he will be attending the University of Michigan in pursuit of an Astrophysics PhD.

Linda Wiratan As a Biochemistry & Molecular Biology major, I am on the President's List, coauthor of an organic chemistry paper, 1st place awardee (Biomedical Division) at UMBC's Biology & Chemistry Symposium, and a 2017 URA Scholar. I plan to earn a PhD in Cell Biology and research cell-environment interactions.

Michael Wolfe Michael will be spending a year conducting research in Germany before he pursues in a PhD in physics. Michael's favorite memories of UMBC include dumpster diving with Society of Physics Students, inventing the PELTRON 3000, and arguing with Dr. Deffner whether thermodynamics is actually useful.

Rachel Woo After graduation, I will be working with a chemical engineering Ph.D on research and testing of plastics and coatings. I will continue to look for other job opportunities in fields such as analytics or applied physics. My plan is to gain career experience that will help me decide on graduate school.

Evan Yang My plan is to go to medical school after my gap year. And during my gap year, I plan to work in the medical field while traveling around the world.

Rita Younes My greatest academic achievement is maintaining a 4.0 GPA with a balanced work, social, and personal life. After graduating in May with my undergraduate studies in biology, I plan on getting into physician assistant school. My goal is to be a PA that provides health and happiness to people's lives.

Tiffany Zhang I am majoring in biological sciences and minoring in statistics. I plan to go to graduate school to get a master's degree in biostatistics.

ABOUT OUR AWARDEES *(continued)*

Benjamin Zidek I am an undergraduate physics student who is currently working to become a secondary school physics teacher in the Baltimore area.

SAVETHE DATES

Twentieth Annual CNMS Summer Undergraduate Research Fest

Wednesday, August 19, 2017

University Center, Ballroom, 3rd Floor

surf.umbc.edu

Twentieth Annual Undergraduate Research Symposium in the Chemical and Biological Science

Saturday, October 14, 2017

University Center, Ballroom, 3rd Floor

cnms.symposium.umbc.edu

A Look Ahead XXI

Explorations in Transformative Research

Tentative: Wednesday, May 2, 2018

University Center, Ballroom, 3rd Floor

alookahead.umbc.edu

Thirteenth Annual CNMS Student Recognition Day

Tentative: Friday, May 11, 2018

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