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As we review the 2018-19 school year we find once again that the College of Arts and Sciences (CAS) is made up of a diverse and vibrant community dedicated to intellectual discovery, to making knowledge matter in the world, and to helping students reach their highest academic, and more importantly their highest spiritual, potential.

With a rigorous core of undergraduate courses across the arts and sciences, the CAS faculty encourage student inquiry and research while at the same time offering unique opportunities for international and pre-professional study. Liberal arts and sciences uniquely position students for success providing the most dynamic, engaging, and comprehensive knowledge by which to tackle today's most pressing challenges. The CAS provides a great opportunity to pursue dreams for a better life, to understand one's place in the Great Controversy, to discover new knowledge, and to make the world a better place. Programs in the CAS span much of what has captured the human imagination from uncovering the secrets of the natural world to understanding humanity and the societies we form. Our faculty and students throw themselves into these questions with passion and determination.

This is my final Year in Review and I am excited to see a brief picture of what has taken place during the 2018-19 school year. We had the privilege of receiving a presentation from a Nobel Laureate and having faculty invited to be the keynote speakers at prestigious conferences. New endeavors include the establishment of a new honors society (Chemistry), the International Center for Worship and Music (Music Department), the establishment of the Agriculture Education Center and the Center for Trauma Education and Care (Social Work). Our faculty continue to be active in research both on a personal level and on an involving of students level. Our faculty love their students and demonstrate this love through great advising and the provision of warm space where all feel welcome and at times fed.

The Almighty has richly blessed me in my position as the CAS dean for the past thirteen years. What has made the responsibility particularly enjoyable is the opportunity to work with excellent faculty and great department chairs. As of July 1, 2019, the CAS dean position has been placed in the very capable hands of Dr. Amy Rosenthal. She is a graduate of Pacific Union College (BS) and Indiana University (MA, PhD). Dr. Rosenthal is a historian specializing in Modern Britain and Colonial Africa. Prior to accepting her current role, Dr. Rosenthal served seven years as Vice President for Academic Administration at Southwestern Adventist University in Texas and, previously, eight years on the faculty of Pacific Union College in California.

Our motto for students has been, "Class is over, please stay". Come join us in our faith-infused learning environment where we are committed to a faith seeking understanding. Browse our website (<https://www.andrews.edu/cas/>) for more information about our departments and programs of study.



Dr. Amy Rosenthal

HUMANITIES

English

Center for Intensive English Programs

History & Political Science

International Language & Global Studies

Music

Religion & Biblical Languages

Each school year has its own essence and distinctive highlights. At the same time, every school year falls into time-honored rhythms and traditions. The vignettes that follow offer three perspectives on a year in the life of the Department of English:

This year we celebrated two of the characteristics that have long distinguished the department and its faculty: loyal, enduring commitment and excellence in teaching. Bruce Closser has taught at Andrews University for 40 faithful years of quality teaching. One of his students sums up his career eloquently, “Dr. Closser is not only a good teacher, academic advisor, and work supervisor, he is an overall good person.” Scott Moncrieff marked his 30th year of dedicated and creative teaching at Andrews. One student commented, “He’s a tough teacher, but that guy really knows what he’s talking about.” Julia Kim, whose specialty lies in language teaching, was presented with the Daniel A. Augsburg Excellence in Teaching Award for the 2018-2019 school year. As a student in the graduate program testifies, “Dr. Kim cares deeply, and it shows to everyone who knows her. It is clear to those of us who call her teacher that she cares immensely about her students, about her teaching, about her field of study and research, about this university, and about her Savior.” These three faculty and their colleagues all embody the department’s devotion to good teaching and scholarship in literature, language, and writing.

—M. Jones Gray, Chair



What can an English department do for students beyond the classroom? Just provide a place to study, drink tea, or meet up with friends? How can we best serve our students beyond fostering academic excellence? These are questions I think about daily as I try to assist our professors in creating a holistic environment where our students can intellectually and physically be at home—a place where they can come together with others who find joy in the “music” of words.

Small things are often overlooked, but they help to create a feeling of warmth and welcome. It’s no surprise that students are often stressed and have to juggle many things in their lives. Helping with printing a paper, sharing a granola bar, or lending a listening ear to anything that is on a student’s mind, are all part of being there for our students in ways that assist and nurture.

In our constant quest to improve our students’ experience, five years ago we agreed that providing food at a day and time that the students could count on would be helpful, and our current “Elevenses” event was born. Every Thursday, at 11:00 a.m., we serve a light lunch to

our majors, minors and grad students, and they often bring friends with them to sit down to eat and chat, or grab something on the run. Every May, when our soon to be graduates chatter happily about their futures, I know we will miss them, but feel blessed to have been a part of their Andrews English experience. I hope that they will always remember we cared and that they felt at home in their department.

—D. Dalton, Administrative Assistant



As a senior English major and long-time officer of Nu Sigma, Andrews’s chapter of the English Sigma Tau Delta honors society, I spent last year constantly thinking of outreach. I wanted to positively affect the lives of my fellow students on campus, of course, but I also wanted to think about how our department’s unique strengths could benefit our wider Adventist educational community. So when I heard that my parents’ English-speaking school in Hong Kong, Hong Kong Adventist Academy, had a beautiful new library and virtually no books to put in it, I knew my department could help. The English Department, with its love of literature and heart for education, stepped up—with help from Dr. Corredera as well as the other officers, we raised enough money to fill an entire box with classic, diverse children’s books, and I flew them out to Hong Kong last Christmas. Even better, our project supported two educational programs: because we ordered books through The Crayon Box’s Scholastic account and earned rewards for them, we gave their pre-k classroom the opportunity to purchase new books. That Christmas, I spent a day reading classics like Corduroy and Owl Moon, hand-picked by my professors and friends, to the first and second grade classrooms. Seeing the light in the kids’ eyes, I thought that maybe we had a few English majors in the making.

—A. Decker, BA English Literature 2019.

Website: <https://www.andrews.edu/cas/english/>

Facebook: <https://www.facebook.com/AndrewsUniversityDepartmentOfEnglish/>



CENTER FOR INTENSIVE ENGLISH PROGRAMS

By Christian Stuart, Photos by CIEP faculty and staff

The Center for Intensive English Programs (CIEP) serves Andrews students who need to demonstrate English-language proficiency and individuals from the community and beyond who come to Andrews to learn English. In addition to helping a diverse groups of students meet their English-language goals this past academic year, CIEP also developed and maintained partnerships with departments and schools across campus, worked on research, and presented at conferences.

In total, more than sixty individual students from over twenty different countries studied in CIEP in the past year. Depending on their level of language proficiency when they arrived, some students studied in CIEP for one semester, while others continued progressing and building proficiency throughout the year. Many moved on to either undergraduate or graduate programs at Andrews. Some of the students came to us from the surrounding community, including several with ties to the Whirlpool Corporation.

CIEP once again collaborated with departments and schools across campus. On behalf of the School of Business, CIEP provided the Test of English as a Foreign Language (TOEFL) training to a cohort

of fifty-four students from universities in China and Taiwan on the Andrews campus in July 2018. In October 2018, CIEP Director Christian Stuart visited Adventus University Cernica in Romania on behalf of the School of Distance Education and International Partnerships (SDEIP) to observe the language program there, clarify language requirements for Andrews University partnerships with this institution, and recommend customized solutions to language-requirement challenges. In March 2019, Christian Stuart traveled with Dr. Jerry Chi to China and Taiwan to oversee language testing for cohorts of students intending to study in the School of Business Administration. From this collaboration, over thirty students from China and Taiwan have enrolled in AU classes over the past several years.

Moreover, CIEP faculty presented at conferences and worked with other CAS faculty on scholarly projects. Christian Stuart presented a paper on his analysis of ESL writing textbooks at the Michigan Academy of Science, Arts, and Letters (MASAL) conference in March 2018 and will also present on this research at the overlapping



Asta Sakala LaBianca and her husband Oystein LaBianca in Jerusalem.

International and National Conventions for Adventist Teachers of English in Lima, Peru in July 2019. In addition, he continued research with Dr. Ivan Davis that focuses on ways first-year college students transfer knowledge and skills they acquire in first-year writing classes to other college writing situations. They will present on this research at the Adventist English Association conference held on the campus of Southern University in June 2019.

Furthermore, for the entire Spring 2019 semester, Asta Sakala LaBianca was on leave from campus accompanying her husband, Oystein LaBianca, professor in the Department of Behavioral Sciences, who was privileged to be Frerichs Annual Professor at the Albright Institute of Archaeology in East Jerusalem. She served as co-host with him at regular social and community-building events for the other endowed fellows in residence during the semester and provided editorial assistance on presentations and upcoming publications. Visiting numerous archaeological and historical sites (including in Egypt and Florence, Italy), as well as daily interactions with the wealth of cultural diversity in Jerusalem itself, additionally contributed to the enriching experience she had during her leave.

Finally, a campus-wide discussion on restructuring of programs, departments, and schools took place during the 2018-2019 school year, and it was decided that CIEP will move from the College of Arts and Sciences to a newly-formed College of Education beginning in the 2019-2020 school year. This news is bittersweet, as CIEP has been part of CAS and the Department of English since the 1970s. We look forward to reinventing ourselves in this new role and serving the university in all matters related to English as a Second Language.



(top) Students at Ningbo University in China take the Andrews University paper-based TOEFL. (bottom) Christian Stuart and Jerry Chi with administrators at YunTech University in Taiwan after a TOEFL test.

The Department of History & Political Science had a busy 2018-2019 academic year starting as soon as the spring semester ended; beginning with a month-long study tour and continuing with events throughout the summer and academic year. Our faculty participated in the NAD Teachers Convention while our students traveled to hear distinguished speakers, engaged in the 2018 state and federal mid-term electoral process, attended professional conferences, and established a pre-law honor society. Throughout the year, we held numerous student/faculty activities. This year, our department welcomed Andrews VP Michael



Nixon, JD to our teaching staff. Professor Nixon taught pre-law classes as well as mentored students interested in pursuing law as a career. He joins professors Stephanie Carpenter, John Markovic, Marcella Myers, and Gary Wood as Department of History & Political Science faculty.

Some years our summer months are a time of rest and relaxation, but in May 2018, Dr. Stephanie Carpenter, along with Religion and English professors, led students on a Classics & Faith Study Tour that traveled to Greece, Turkey, and Tunisia. Dr. Carpenter taught two classes and several of our department students also joined the Tour. We look forward to the 2020 Life Origins & Processes, Civilizations & Faith Study Tour traveling to Egypt, Georgia & Armenia, and Turkey. Dr. Marcella Myers will be teaching with the 2020 Tour.

We started fall 2018 with a new dynamic program for our history and political science students. To prepare our students for the 21st century, we have redesigned both majors with a core group of courses and specialized upper-level courses. In the past few years, we see an increase in students interested in history and politics. Our commitment to a Liberal Arts education remain unchanged as we redesign our programs and courses. Our Social Studies program trains our next generation of teachers with those engaged in middle and secondary education.

Our department and students engaged in several events this past year. We hosted an alumni picnic at the 2018 Homecoming weekend and student activities included vespers, game and movie nights, Sabbath afternoon lectures, and travel to hear distinguished speakers and attend professional conferences. The department accompanied students to The Economic Club of Southwestern Michigan to hear Vice President of the United States Joe Biden and Meet the Press host Chuck Todd. Students also traveled to the University of Notre Dame to attend lectures by #MeToo movement founder Tarana Burke and Guillaume Lacroix, Consul General of France in Chicago (pictured here with French professor Dr. Sonia Badenas).

For the 2018-2019 year, our students developed two new initiatives. The History Club, its members from all three programs in the department, came together each Friday afternoon to record and plan its weekly podcast, “Don’t Quote Me, but . . .” The students covered current political and social topics in a fast-paced, and often humorous, dialogue. In January 2019, members of the History Club traveled with Stephanie Carpenter to the American Historical Association conference in Chicago. Students attended sessions dedicated to undergraduate and graduate students as well as those featuring podcasts and student engagement. Our Pre-Law Society, its members from the department and pre-law pre-professional students, attended several department events and met with law school admissions representatives here in Berrien Springs as well as in Chicago at the Law School Admissions Council Law School Forum and the University of Chicago Law School. In 2018, we established Andrews University Hall, an undergraduate chapter of Phi Delta Phi: International Legal Honor Society, and held our first initiation ceremony. Our Pre-Law Society (Phi Delta Phi) joins already established History (Phi Alpha Theta) and Political Science (Pi Sigma Alpha) honors societies. Each of these honor societies held meetings and events throughout the year, culminating in our annual honor society/department banquet.

Department faculty continue their research projects as well as teaching new courses and mentoring our students. Stephanie Carpenter continues to sponsor Phi Alpha Theta and the History Club, as well as the newly established Phi Delta Phi chapter; John Markovic continues his work on the Emerging Church/Emergence Christianity; Marcella Myers is teaching courses for the Community & International Development (CIDP); and Gary Wood continues as sponsor for Pi Sigma Alpha.

Website: <https://www.andrews.edu/cas/history/>



The Department of International Languages & Global Studies continues to support and promote the “Change the World” mission of Andrews University by providing students with several on-campus and off-campus opportunities to explore the world they will change. During the month of January 2019, the visit of the novelist and Notre Dame faculty Azareen Van Der Vliet Oloomi, who brought some remarkable multicultural life experiences and suggestions on how to use that to contribute to and influence our globalized world, was a spring semester highlight. Dr. Van Der Vliet Oloomi spoke about how learning languages and living in different cultures can make you not only a globalized citizen but also a sensitive person able to deal with cultural and ethnic diversity.

Another guest at Andrews was the French Consul of Chicago. Students from the ILGS department had the opportunity to interact with him and exchange experiences. Because of that interesting conversation, and after receiving information about the French program at Andrews University, the Consul offered internships to current students that are available in Chicago.

In off-campus activities, a group of 28 students decided to study abroad during the 2018-2019 school year in Austria, Argentina, Brazil, France, and Italy through the ACA program, which is open to any Andrews University student. They studied the language and the culture of those countries. Travelling was an important component of their experience and they could see the most emblematic sites on those respective countries. When asked about their study abroad time, they did not hesitate to say something about this life-changing experience. Christina Coston, a double major in Communication and Spanish, went to Spain and she said that the year abroad “not only helped me learn a new language but also helped me become familiar with the culture. Additionally, I made lifelong friendships and memories. I highly recommend studying abroad!” For Jasmine Logan, a double major in Psychology and Spanish, living in Spain for a year helped her realize an important difference in lifestyles. “I loved how laid back and chill Spain was, which is so different from the hectic lifestyle of so many Americans.”

Another worldview experience was a study tour. During the month of May 2019, a group of 41 students participated in a very intense study tour to explore the cultures of Spain, Italy, and Greece. They were completely immersed in cultural experience all day, every day. From the morning wake-up call (usually not in English) until the last activity of the day, they were exposed to a completely different environment: language, food, meal time, public transportation, internet speed, public signs, personal space, local currency differences, markets,

stores, car sizes, motorcycles, historic sites, religious symbols, and even elevator and bed sizes at the hotels. Many of them summarized this study tour experiences when asked about what college experiences they will remember best. Moriah McDonald, an English major, said, “One of the things that I learned from the European culture tour was the importance of taking time to relax and enjoy life; the people there seemed happier and less stressed.” Torian Hill, a Psychology and Spanish major, added, “One lesson is that in most European cultures, time with family and socialization is very important. Sometimes, people would spend hours at a restaurant talking and eating only a snack.” Mia Hunter, a transfer student majoring in Spanish pre-medicine noticed the difference in pace between the European and the American cultures. “It (Europe) is not as fast paced as America. It’s more laid back and less stressful. Things still get done but people work just enough to be happy. They walk everywhere and there is no need for cars really! I enjoyed my time and highly recommend the tour!”

Finally, an example of “world changer” is the experience of Noel Harris, a double major in French and Sociology, who graduated from Andrews University and went to Europe to complete her master’s degree in Development Studies at the Graduate Institute of Geneva, Switzerland. Her story shows how relevant her experience learning a foreign language at Andrews University was. It allowed her to have access to unique opportunities reserved exclusively to bilingual students and professionals.

“Finishing my masters in Development Studies at the Graduate



Institute of Geneva was facilitated by my studies at the International Languages and Global Studies department at Andrews University. My first year at AU, I got the opportunity to study in Collonges, France. Learning a new language and meeting new people were integral in my academic development. Living near Geneva also familiarized me with the world of international organizations and the United Nations. Because I had learned French, which is an

official UN language, it opened doors for different internships and jobs. When returning to AU, I got the chance to teach French classes and continue practicing the language. I also decided to pursue bachelors in International Development at AU. This combination of studies allowed me to enter one of the best schools for International Development. Studying French at AU and spending a year abroad gave me the skills and competence to enter a bilingual school and to complete a year-long internship in a bilingual human rights NGO. Looking back, I now realize how important learning French was for me. It helped me become a part of different worlds, meet new people, and gain valuable skills. I just submitted my MA dissertation and I am looking forward towards new jobs and new opportunities. I know that the experiences and skills that I accumulated through my French studies will help me.”

Faculty members of the ILGS department were actively involved in teaching, research, presentations, publications, and service. Dr. Sonia Badenas received her rank promotion to Associated Professor of French with tenure. Dr. Pedro Navia was honored at the Andrews University Latino Association Graduation Ceremony by the Office of Diversity & Inclusion for his deep commitment and initiatives to support, guide, and encourage education among Latinos/Hispanics.

Website: <https://www.andrews.edu/cas/inls/>

The Department of Music is grateful to God for a successful and vibrant 2018-2019 school year.

One of the highlights of the year was the visit of world-renowned orchestra conductor and living legend Herbert Blomstedt. He led a series of events for the students of the Department of Music and the community. Maestro Blomstedt inspired and challenged music students to excel in their path to artistic excellence and in their commitment to seek the truth and change the world.

Our new appointed AU Symphony Orchestra conductor, Dr. Christopher Wild is a recent graduate of Northwestern University's Bienen School of Music, where he received a DMA in orchestral conducting. He has joined forces with the University Singers and Chorale performing Charles Gounod's *Gloria* (featuring Professor Charles Reid as tenor soloist) and also with the hymn *When You Come*, arranged and conducted by Professor Stephen Zork. The Symphony Orchestra repertoire also included works performed by the six winners of the annual Young Artist Competition. This year's winning students were Stephanie Guimaraes (Violin), Katharina Burghardt (Voice), Jade McClellan (Violin), Emily Jurek (Piano), Jeremy Myung (Violin), and Simon Brown (Violin).

University Singers, the University Chorale, and *I Cantori* had wide-ranging performance activities during the year, including five choral concerts in the Howard Performing Arts Center and collaborative performances with Andrews University Symphony Orchestra, Wind Symphony, Opera Gala and the Music & Worship Conference. Five graduate choral conducting students gave outstanding recitals, under the leadership and mentorship of Prof. Stephen Zork.

One of the highlights of the year was the release of the first promotional video of the Department of Music: "We Change the World One Note at a Time". Music Faculty and students are forever grateful to Ruben Merino, director of Esperanza TV, and Goli-



ath Productions, for capturing the essence of what we do at the Department of Music in a professional video.

In January, piano professor Dr. Chi Yong Yun was the Guest Artist Faculty at Taereung International Winter Music Festival in Seoul, Korea, where she participated performing in several concerts, teaching master classes, and serving as an adjudicator for the International Piano Competition. As a recitalist, Dr. Yun also performed with the Sunnyside Symphony Orchestra in Portland, Oregon, for their fundraising Gala concert. Dr. Yun is a guest Artist Faculty to Montecito International Music Festival in California, where she will perform in the Gala concert with violinist Cho-Liang Lin, among other notable artists.

Also in January 2019, the Andrews University International Center for Worship and Music (ICWM), a long-cherished dream for SDA musicians, theologians, leaders and educators around the world, was launched. The ICWM seeks explicitly to resource and educate musicians for work within the context of Adventist mission and ministry, and it will support the purposing of music for sacred use among the diversity of cultures and ethnicities seeking to give expression to Adventist worship. The first activity organized by the ICWM is the Certificate for Leadership in Worship and Music that will be offered on the AU Campus from June 23-29, 2019. This certification is designed to train and resource lay leaders, musicians, pastors, and anyone involved in music ministry.

During Spring break, the AU Wind Symphony, under the direction of Byron Graves, went on tour to Thailand. Several students expressed that "the tour was an exhila-

rating experience that allowed us to grow as musicians and to do missionary work, as we performed several concerts and fundraised to support a SDA school in Thailand." In May 2019, Professor Byron Graves graduated with a PhD in Music Education from Boston University. His dissertation topic: "Belonging in Band: Relatedness support, relatedness satisfaction, prosocial behavior, and music practice in high school band", is a significant contribution to the music education field. Dr. Graves is also an active Clarinetist. This year Claudio González (Viola), Byron Graves (Clarinet) and Peter Cooper (Piano), performed together for the Sunday Series at the Howard Performing Arts Center, and at Southern Adventist University, TN.

The AU Annual Music Festival was led by Dr. Byron Graves and Dr. Chi Yong Yun, and the focus was on keyboard and wind instruments. More than two hundred talented students traveled from several institutions in the US and Canada to band together with performances, workshops, masterclasses, and worship experiences at the Howard Performing Arts Center and Pioneer Memorial Church.

From the beginning of the school year, the Department of Music launched "Beyond Bars," a music educational program that takes place in Westville Correctional Facility every Saturday afternoon. This program allows Faculty and students from the Department of Music to teach music theory, keyboard, guitar, violin, and singing lessons to incarcerated people. Dr. Karin Thompson, Dr. Claudio González, and Prof. Adriana Perera, along with several students from the Department of Music and other departments on campus, have witnessed the excitement, joy, and transformative experience that this innovative program brings to the inmates. Here at Andrews, we genuinely believe that we can change the world one note at a time!

Website: <https://www.andrews.edu/cas/music/>



DEPARTMENT OF RELIGION & BIBLICAL LANGUAGES

By Dr. Glenn Russell

“Don’t just choose a major... choose a mission!”

The 2018-2019 school year for the Department of Religion and Biblical Languages has focused on life mission. When university students are struggling through the process of choosing a major and a career path, we have sought to also highlight God’s call to mission, not just a major. Choosing a major requires guidance and reflection, and some students find themselves switching majors after a month or a semester or two because there are many important questions to consider.

But it is also important to look beyond the major and consider one’s purpose in life. In the Department of Religion, we believe that God has called each student to serve Him in some unique way. There are many paths of service for humankind so we encourage students to choose a major with a mission.

For students interested in “a life with a mission” the Department of Religion and Biblical Languages offers two main pathways: the theology major and the religion major.

The theology major prepares those who are planning to be pastors, campus or hospital chaplains, or Bible teachers. The theology major fully aligns with the new seminary M.Div. program.

The religion major is primarily a dual-degree focus. This major is ideal for those who will seek employment through another major (such



and presented seminars for Hispanic pastors in the United States and Latin America. Professor Susan Zork combines significant teaching ministry with her devotional and pastoral care for students in class and in the One Place congregation. Along with presenting research papers at professional biblical studies conferences, Dr. Erhard Gallos has been invited to give Biblical presentations on various subjects in churches and on campuses throughout the Lake Union. As the new president of the international Adventist Theological Society, Dr. Rahel Wells continues a heavy schedule of teaching, research and publication. In addition to preaching in many locations, Dr. Rodney Palmer has sponsored the Andrews Ministerial Club and directed the Field School of Evangelism in May 2019. Dr. Glenn Russell continues to host the weekly Scriptural Pursuit media broadcast and directed the Honduras mission trip in December. In March 2019, Dr. Russell directed the mission trip to Beirut, Lebanon where his team of students and staff provided physical therapy for refugees, conducted two weeks of prayer, and assisted in the It Is Written evangelistic outreach. Whether it is giving Bible studies, providing pre-marriage counseling, mentoring students, providing pastoral counseling, ministering to congregations or presenting scholarly research papers, the faculty of the Department of Religion rejoice in the privilege of being part of God’s mission.

Website: <https://www.andrews.edu/cas/religion/>



as business, music, dentistry, medicine) and who desire to become spiritually and theologically equipped for ministry as part of the laity. This ability to combine the religion major with another major offers many possibilities. For example, religion and social work are a very desirable arrangement. A religion major may also be a good choice for a transfer student or a non-traditional student heading into ministry.

The Department of Religion also offers three minors: 1) Religion, 2) Biblical Languages and 3) Missions. The Religion and Biblical Languages minors provide rich biblical scholarship. The Missions minor provides a pathway to spread the Good News of Jesus Christ to our broken world.

The seven faculty of the Department of Religion continue to serve the mission of Andrews University and the Seventh-day Adventist church in multiple ways. Each faculty member carries a heavy load of classes, teaching religion and theology majors but also teaching hundreds of general education students. It is a distinct mission and privilege for our department to teach the religion courses for the campus.

Additionally, the religion department faculty serve in many other kinds of ministry. Dr. Ruben Munoz has been collaborating with Professor Davide Sciarabba and a team of international Hispanic theologians and pastors to develop an online Spanish Initiative in Undergraduate Theological Education. They have also taught classes



Biology

Chemistry & Biochemistry

Engineering

Mathematics

Physics

Sustainable Agriculture

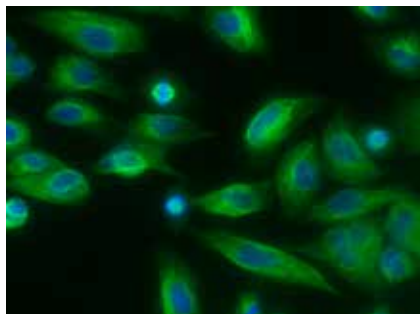
STEM

DEPARTMENT OF BIOLOGY

By Dr. Robert Zdor

The Department of Biology has continued to thrive in both material and immaterial ways this school year. It has gained resources, provided accessible off-campus opportunities to students, and continued to minister to students by using a faith-based approach to science.

Specifically, in late 2018, the Department of Biology acquired a Keyence computer-driven fluorescent microscope that simplifies use by students. It provides publication-quality multi-color images which will enhance scholarship and teaching in areas that rely on microscopy such as microbiology, cell biology and histology. Attached is an image taken by students in BIOL372 class where students study cells in detail. Peter Lyons, who teaches BIOL372, exclaimed “It was great to use this microscope with my students! Its ease of use really makes the microscope accessible and quick to use. It’s



easy to find the cells with autofocus, easy to see them clearly with autoexposure, easy to make quality multicolor images. Everything is easy.”

The image shows MDCK (Madin-Darby canine kidney) cells stained with dyes that visualize the nucleus (blue) and microtubules (part of the cytoskeleton, colored green). Generous alumni funding made the purchase of this instrument possible. The acquisition of this microscope broadens the microscopy “suite” available to students. With the addition of this gift, along with the two departmental electron microscopes, the Department of Biology is positioned to offer microscopy training relevant to careers in biology.

Even as our on-campus facilities continue to grow, students often find academic enrichment through off-campus experiences: Paola Bayona participated in a summer undergraduate training program at Baylor College of Medicine doing genetics research relevant to the study of cancer. Her experience has opened the opportunity for her to pursue graduate studies at Baylor starting in the fall of 2019.



Paola Bayona (4th from right) with her lab members at Baylor (photo credit: Paola Bayona)

Adam Weir traveled to Mexico with Dr. Daniel Gonzalez-Socoloske where Weir did his Honors research on the feeding behavior of manatees. They spent one week studying West Indian manatees at the Dolphin Discovery facilities. The staff were very accommodating and allowed them to get in the water with the manatees to collect data. Overall, it was a fantastic trip both academically and personally. Adam comments that “Dr. Gonzalez is a great biologist and an even better Christian; it’s a research experience that an undergrad can’t get at most schools.”

As a Seventh-Day Adventist science department, the Department of Biology consistently works to incorporate faith into the curriculum. Benjamin Navia and David Mbungu have written an article published in the *Journal of Christian Education*. In this paper, Navia and Mbungu investigate

student perceptions regarding the study of evolutionary concepts in their Foundations of Biology class here at Andrews. It is known that student interest in the subject is influenced by several factors, including prior exposure to the material, students’ belief system, and the instructors’ attitudes towards the subject. These factors also determine the ability of students to understand, discuss, and analyze evolutionary arguments. The results of this study showed that students are interested in the material, think it is important to study, and value discussing these issues in a supportive Christian environment. The authors discuss the implications of this for strengthening the faith and intellectual growth of students.

Overall, it has been another spiritually and academically stimulating school year for the Department of Biology.

Website: <https://www.andrews.edu/cas/biology/>



Adam Weir and his research advisor, Daniel Gonzalez-Socoloske interacting with a newborn manatee (photo credit: Adam Weir)



Chemistry National Honor Society

The Department of Chemistry & Biochemistry became the first Seventh-day Adventist higher education institution to establish a chapter of Gamma Sigma Epsilon. We are proud of our fourteen outstanding chemistry and biochemistry students for the work they did to both organize and be selected as charter members of this honor society chapter under the guidance of sponsor Dr. Lisa Ahlberg. The purpose of the honor society is to recognize academic excellence and undergraduate research scholarship in chemistry.



JN Andrews Medallion

In August 2018, Dr. Desmond Murray received the most prestigious award that the University gives to faculty and staff, the JN Andrews Medallion. Dr. David Nowack remarked, "Dr. Murray's number of contributions and length of service to our department are without peer. His enthusiasm and energy for his area of chemical education and organic chemistry research has inspired scores of young people to rethink their assumptions of what science and chemistry really are."

Nobel Laureate

The Department of Chemistry & Biochemistry hosted the first lecture by a Nobel Prize winner at Andrews University. Sir J. Fraser Stoddart, who shared the Nobel Prize in Chemistry in 2016 for the design and synthesis of molecular machines, took the general public audience on a journey from steam engines to molecular machines. In 1991, Stoddart established the importance of the mechanical bond. Since then he and his students have created a diverse array of mechanically interlocked molecules including molecular switches, elevators, pumps and drug delivery systems. The central driving motivations of his life's work, are teaching and mentoring more than 450 students from over 43 different countries and his insatiable search for beauty, evidenced by his lifelong fascination with stereochemistry and topology and his fondness of poetry.



Andrea Luxton, Andrews University president, introduced Sir Stoddart, saying, "The university is delighted to welcome a guest of such renown. Sir Fraser Stoddart is an exemplary educator, researcher and innovator, as evidenced by his illustrious career and, most notably, the honor of receiving the 2016 Nobel Prize."

Website: <https://www.andrews.edu/cas/chemistry/>

DEPARTMENT OF ENGINEERING

By Gunnar Lovhoiden, MCA team sponsor and professor of engineering



In addition to the competition, the teams could collect points on technical challenges before the competition and on homework that was collected around noon on Friday.

The MCA team was second overall after the homework and technical challenges, trailing Michigan State by 13 points. During the pick-up competition, MCA took the lead and was 24 points ahead of Michigan Tech before the obstacle race. Western won the race followed by Michigan Tech and MCA, resulting in MCA winning the challenge overall by a single point over Michigan Tech.

Gunnar Lovhoiden, MCA team sponsor and professor of engineering at Andrews University, supported Andrews students at the competition. He says, “The MCA team worked really well together and maximized their performance by making good design decisions.”

Hyun Kwon, chair of the Andrews

Andrews Students Win Stryker Engineering Challenge

The Michigan Colleges Alliance (MCA) team won the 2019 Stryker Engineering Challenge on Friday, March 22. The MCA team consisted of Jeremy Barrett and Devin Garcia from Andrews University, Denise Roorda from Calvin College and Joshua Cormier from University of Detroit Mercy. The MCA team competed against teams from University of Michigan, Michigan State University, Michigan Technological University, Western Michigan University, University of Notre Dame and Purdue University.

The University Recruiting department at Stryker Medical in Kalamazoo held the 9th annual Stryker Engineering Challenge from March 21–22, 2019. Teams of four sophomore engineering students competed against each other for an opportunity to receive a \$1,000 scholarship and an interview for a Stryker internship position for summer 2020. MCA has been invited to send a team to the competition since 2015.

The challenge began around 7 p.m. on Thursday, and all work ended at 1:45 p.m. on Friday. The competition portion of the challenge started at 2:30 p.m. The main part of the challenge was to design a remotely-controlled vehicle from a supplied build kit. This vehicle was used in a 30-minute competition where all teams worked simultaneously to pick up Lego people, then in an obstacle course race where two to three teams raced at a time to see who could complete the course the fastest. Each team was required to use three different drivers during the race.



Michigan College Alliances	204
Michigan State University	104
Michigan Tech University	203
Purdue University	90
University of Michigan	116
University of Notre Dame	104
Western Michigan University	195

University Department of Engineering, adds, “I am so proud of our students. They have proven the ability to successfully compete at such a high level and against much larger schools.”

Website: <https://www.andrews.edu/cas/engineering/>



On December 1, 2018, students in the Andrews University Department of Mathematics competed for the second time in the William Lowell Putnam Mathematical Competition—the preeminent mathematics competition for undergraduate students in the United States and Canada. In order to compete, students individually take a six-hour exam comprised of legendarily difficult proof-based problems. The Andrews University team scored in the 49th percentile, competing against the best mathematical talent from the nation's top universities. The 2018 Andrews team consisted of Devin Garcia (physics and math, sophomore), Mykhaylo Malakhov (junior, math), and Adrian Negrea (sophomore, computer science). Also participating in the competition were Lucinda Ford (2019 BS in math), Yaser Monterrey (math, junior), and Yosia Nurhan (math, sophomore). Our top scorer, Mykhaylo, placed in the top third of test takers. We are incredibly proud of all of our students!

After a period of collaboration, the Department of Mathematics and the newly formed Department of Computing rolled out a dual major in Data Science open to students beginning Fall 2019. The B.S. in Data Science provides students with a background in computer science, mathematics, statistics, and a chosen domain area such as Behavioral Sciences, Biology, Finance, Marketing, Physics, or Public Health. As the students garner skills for acquiring, managing, visualizing, mining, and modeling data, they will have the tools and techniques for working

with Big Data and using machine learning for making predictions. Andrews will be one of less than 100 institutions nationwide that offer this major even though the demand for data scientists currently exceeds supply. The curriculum is composed of a core set of classes in data science, computer programming, mathematics, and statistics as well as domain-specific courses and cognates.

During the 2018-19 School Year Award Ceremony, the Student Association presented mathematics professor Dr. Shandelle Henson with the Teacher of the Year award. This award goes to a teacher whom students have highly recommended as an excellent teacher and mentor. One of the members of her Seabird Ecology Team, math major Yosia Nurhan states, “Dr. Henson gave me an opportunity to do research the summer

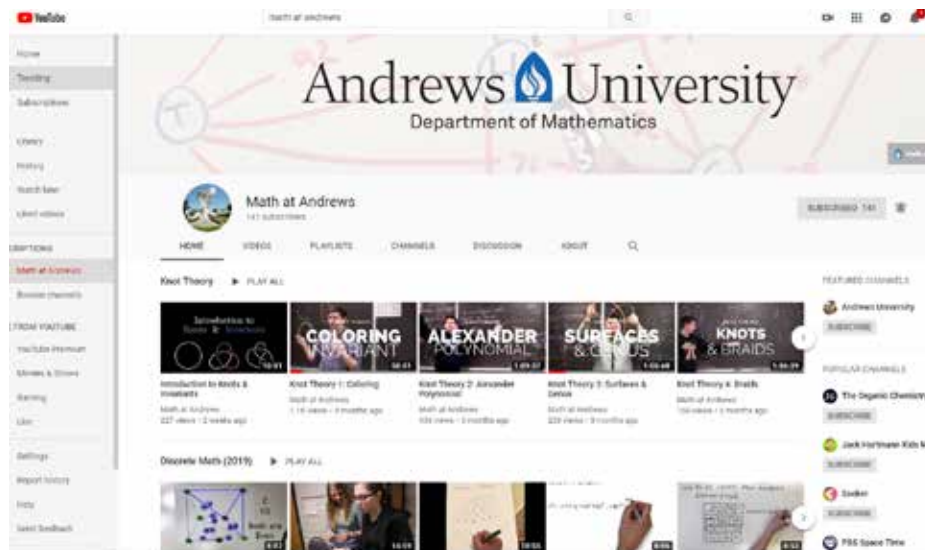
after my freshman year even though I had no previous experience in research. She held high standards yet patiently helped me to attain a higher level of professionalism. She is very understanding and willing to work with inexperienced students like me.” Other students comment on how clear she makes the material that she presents in her classes.

To facilitate students' ability to assimilate the material and be able to share it with others, Mathematics professor Dr. Anthony Bosman has started a YouTube channel. Called Math at Andrews, the channel has almost 10,000 views, with over 1,200 views on Dr. Bosman's first Knot Theory lecture. All of the MATH 485: Special Topics—Knots class lectures are available there as are the videos that students made for their MATH 355 course (discrete math). Students from around the world have watched the videos, and the Andrews University mathematics students who created the videos enjoy looking at the comments their videos have garnered. To make the videography easier, Dr. Bosman has purchased a camera, green screen, and various other pieces of equipment with funds from a teaching innovation grant from the Center for Teaching and Learning Excellence.

This year the Department of Mathematics invested in a promotional video that we have uploaded to our Facebook page as well as to our AU Department of Mathematics home Web page. The video has garnered positive comments as it presents our department to prospective students in a unique way.

Overall, this year has been filled with student and professorial successes, and technological advances in order to make our program more accessible to future and current students.

Website: <https://www.andrews.edu/cas/math/>



DEPARTMENT OF PHYSICS

By Dr. Margarita Mattingly

*"Watch for the new thing I am going to do. It is happening already - you can see it now!
I will make a road through the wilderness and give you streams of water there." Isaiah 43:19 (GNT)*

In the Department of Physics during the school year 2018-2019, some bywords that embody the fulfillment of those promises include Biomedical Physics, APS and PhysCon, Moku:Lab, STEMboost, and Series.

Biomedical Physics is a new 34-credit potential career path for Andrews students that will launch in Fall 2019. It is an innovative preparation for medicine, medical physics, and biomedical engineering. It empowers problem-solving and research in biology and medicine with physics tools and analysis used in Health Physics, Medical Imaging, Radiation Therapy, Biotechnology, Molecular Biophysics, and Nanotechnology. It is a rigorous introduction that will prepare students for direct employment or graduate studies.

Nationally, there are only six undergraduate Biomedical Physics programs, and none of them are SDA institutions. There is a huge demand for medical physics and its extraordinarily high starting salary levels. There is a need of around 300 new medical physicists per year while only 60 or so are being produced each year, so the market is strong. This is a four-year program, but a five-year dual BS/MST program in the works in collaboration with Radiological Technologies University in South Bend, Indiana.

APS and PhysCon travel was funded by a new source this year. The John and Mildred Medic Wuchenich Foundation gave grants to four STEM departments for student development. The physics grant subsidized two first-year and two senior physics students to travel to the American Physical Society (APS) meeting 13-16 April 2019 in Denver, Colorado with the theme "Quarks to the Cosmos" (Q2C). It will also fund up to four students to go to the Quadrennial Physics Congress (PhysCon) 14-16 November 2019 in Providence, Rhode Island with the theme "Making Waves and Breaking Boundaries". Hosted by Sigma Pi Sigma, the national Physics Honor Society, PhysCon anticipates 1500 participants in the largest known gathering of physics undergraduate students in the US.

Student reactions at the APS meeting in April and four years ago at the last PhysCon repeatedly centered about the fact that these experiences are "life-changing". Physics students and alumni, faculty and mentors, national lab physicists and luminaries together broach frontier physics, interactive professional development and networking, and rub shoulders at social events and events that support diversity in physics.

MOKU:LAB refers to the new concept equipment in our Advanced Lab. In 2014, Danielle Wuchenich (BS Physics 2008) teamed up with experimental physics and engineering colleagues to establish a startup called Liquid Instruments in San Diego and Canberra, Australia, that would design and produce a 12-in-1 piece of precision test and measurement equipment combining reconfigurable hardware and advanced digital signal processing using familiar iPad displays. This project was motivated by the volume and weight constraints of outer space ventures like the Laser Interferometer Space Antenna (LISA) which is essentially a space-based version of the Laser Interferometer Gravitational-Wave Observatory (LIGO). Danielle had worked as a LIGO research assistant at the Australian National University for Tiffany Summerscales and later completed her doctoral work there focusing on laser interferometry techniques for satellite metrology. She worked on missions for the NASA Jet Propulsion Lab (JPL) in Pasadena, California, the Albert Einstein

Institute in Hanover, Germany, and later at Lockheed Martin's Advanced Technology Center in Palo Alto as Senior Research Scientist for interferometric imaging and laser communications.

This past January, as Chief Strategy Officer and co-founder of Liquid Instruments, she came for a whirlwind visit to present an eigentalk (ie. Physics Colloquium Talk) "From Research to Startups—What I did after Andrews with my Physics and Math Majors". Afterwards, she demonstrated the Moku:Lab and offered two units to us that she had brought in her totebag for us to try out. Meanwhile, that very week her business had raised over 8 million dollars in a Series A funding round to accelerate product development as it grows in the US, Europe, and Asia. The following week our students and faculty ran the 12 Moku:Lab modes: Lock-in Amplifier, Arbitrary Waveform Generator, PID Controller, Bode Analyzer, Laser, Lock Box, Phasemeter, Oscilloscope, Spectrum Analyzer, Digital Filter Box, Waveform Generator, Data Logger, and FIR Filter Builder. They worked beautifully and were put in service immediately. Advanced Lab students resonated to the simplicity, small footprint, versatility, and user friendliness of the Moku:Lab. It was a game changer for us all. We shared this technology with our colleagues in engineering.

STEMBOOST is a course concept designed, developed, and rolled out this summer to boost the quality of STEM education by enhancing the continuing education of K-12 educators. It provides first-person experiences that will translate into participants' respective classrooms and labs. It is a five-week program of online preparation leading up to a five-day sequence of onsite laboratory experiences in Physics, Mathematics, Chemistry, Biology, and Engineering for three graduate academic credits. The physics was led by Professor Mickey Kutzner assisted by former physics minor Dillon Zimmerman (BS Chemistry, Mathematics Studies, 2017) for the hands-on physics lab component. STEMboost is supported by the Lake Union Conference and the NAD and launched onsite in June and July with a cohort of six educators from Arizona, Michigan, New Mexico, New York, Ontario, and British Columbia.



SPEAKER SERIES alludes to the new endowment established this year to fund the *Robert and Lillis Kingman Speaker Series on Science and Society*, with the purpose of scientific outreach to both campus and area communities in Michigan. Annually, visiting speakers from all STEM disciplines will be chosen in consultation with the STEM Department Chairs on the basis of their world class scientific contributions and their ability to communicate their relevance to laypersons and insiders alike. The first speaker,

launching this series, will be David Reitze, executive director of the Laser Interferometer Gravitational-Wave Observatory (LIGO) at the California Institute of Technology (CalTech). Reitze is scheduled to present a public lecture at the Howard on Wednesday evening of 23 October 2019, having met earlier in the day with students, faculty, and other interested parties.

Website: <https://www.andrews.edu/cas/physics/>

Several exciting developments have happened in our Department this past year.

First, we have changed our name from the Department of Agriculture to the Department of Sustainable Agriculture. We have been benchmarking, taking market surveys, and discussing an update to our name for several years. Our name needed to reflect better who we are and what we do, so this year we made the change. It will appear in the 2019-2020 Bulletin.

Second, the most recent model for an Agriculture Education Center has been approved. It will re-purpose the facilities of the former dairy which ceased operations in December 2018. The prices of milk dropped to an unsustainably low level and the dairy was losing too much money, so the AU Board of Trustees voted to close it in June 2018. This had an impact on many areas of the University but our department felt it directly since we used the dairy for labs, research, teaching, and internships every semester. A number of models of what would replace it were proposed in order to maintain the quality education our students received, and then take it to the next level. We are now moving forward the approved model which will have a wide variety of domestic livestock, poultry, food, and ornamental plants. Our students will have an immersive experience with animals and plants. They are very excited about the prospects! Our website has more details about it: www.andrews.edu/agriculture.

In student news:

Our student club, the Flora & Fauna Club, had an active year with several vespers, service projects (cleaning barns, socializing dogs/cats at Animal Control), a movie night, and a guest speaker, an alumnus of our department and currently in veterinary school, who shared



about how to get into vet school and what it is like once you're in.

Livestock Health & Disease class was taught in spring 2019 and is always a popular class. Jolene Birney, DVM gives the Animal Science students much good information in class and then takes them to area farms for hands-on labs (our students will not need to leave campus for these experiences starting fall 2019 since the Agriculture Education Center will provide the animals for this.) They conducted health checkups on a variety of domestic species including chickens, cattle, sheep, llamas, mini-pigs and goats.

Several of our International Agriculture Development students completed their international internships this past year. Nolan Salazar interned at a kibbutz in Israel and learned about date production. He also did an internship in Nepal to improve the length of the growing season in Patiswara. Naelijwa Manongi did her internship with Korfovouni SeedPro in Tanzania. This company grows most of the cyclamens found in florist shops around the world. Heidi Harris spent spring and summer semesters 2019 at the New Start Children's Home in Harare, Zimbabwe. This is an orphanage for children who have lost their parents to HIV/AIDS and have no one else to care for them. Heidi developed a business plan for a farm at New Start to improve the children's nutrition,

and is now putting it into practice.

On the domestic front, our faculty and Environmental Landscape Design students have developed the landscape designs for the Andresen Center for Wellness on campus as well as Camelot Place condominiums and JKB Contemporary Art Museum, Niles, MI.

We are looking forward to what the 2019-2020 school year will bring. The future is very promising!

Website: <https://www.andrews.edu/cas/agriculture/>



SOCIAL SCIENCES

Behavioral Sciences

Community & International Development

James White Library

Social Work

Undergraduate Leadership

Visual Art, Communication, & Design



Dr. LaBianca presenting the keynote address at the opening session of the 14th International Conference on History and Archaeology of Jordan on January 21st

This year the Department of Behavioral Sciences had the unique opportunity to have faculty members involved in major events and projects that impact the world stage and the Seventh-day Adventist World Church. First, Dr. Øystein LaBianca was one of two invited keynote speakers for the opening session of the *14th International Conference on History and Archeology of Jordan* that was held on January 21st in Palazzo Vecchio, Sala Cinquecento. This year also witnessed the historic celebration of 50 years of research at the Mabada Plains Project (MPP) in Jordan. The MPP is considered the longest ongoing archaeological project that includes three sites: Tell Hisban, Tell Jalul and Tell Umayri. Dr. LaBianca is one of the co-directors and founding fathers of the project. Third, Dr. Duane McBride and Dr. Karl Bailey completed the important and enormous task of leading a microanalysis of a global church member survey that was presented and received favorably at the General Conference Fall Council and was published in the March 2019 issue of *Focus Magazine*. Finally, Dr. McBride continues to serve as President of the Adventist Human-Subject Researchers Association and was reappointed to the Advisory Committee of the Monitoring the Future Study at the University of Michigan, as well as was reappointed Chair of the NIH grant review committee on Moving the Field Forward Conducting Secondary Data Analysis of Meta Health Data Banks.

The department has also been blessed in regards to faculty awards. Two of our faculty were publically recognized for their contributions to Andrews University. Dr. Melissa Ponce-Rhodas received the undergraduate Research Mentor Award and the Bruce E. Lee Service Award for the Social Sciences Division. Dr. Harvey Burnett received the

Siegfried H. Horn Award for Excellence in Research & Creative Scholarship.

Research activity among our faculty this year continues to be strong. This has included co-publishing with our undergraduate and graduate students in peer-reviewed scholarly journals. The Behavioral Sciences Department continues to provide a strong research contribution to the College of Arts Sciences.

This year we are also proud of our student researchers:

- Talisa Gonzalez (Psychology Pre-Professional Honors Senior) was the lead author in publishing her research entitled, “an Examination of Resilience, Compassion Fatigue, Burnout, and Compassion Satisfaction between Men and Women,” in the *North American Journal of Psychology*. Her co-authors and research mentors were Dr. Herbert Helm and Dr. Burnett.
- We sent 24 students with Drs. Bailey, Burnett, Helm, and Ponce-Rhodas to

the annual Midwestern Psychological Association conference in Chicago in early May. There were 10 poster presentations and one talk by nine undergraduate students and a talk by one faculty member.

- This year’s Michigan Academy of Science, Arts & Letters (MASAL) was held at Alama College. We had 2 faculty members chair a discipline section. We also had two faculty members, three undergraduate, and five graduate students present their research, while 2 undergraduate students presented poster presentations.
- Four students presented posters at the 3rd Southwest Michigan Psychology Undergraduate Research Conference on March 15. Two of our students received awards for their poster presentations: Brittney Bird received first place while Talisa Gonzalez received third place.

Our department was very excited about the academic achievements of several of our seniors who graduated this year and were accepted into graduate programs. Brittany Byrd (Psychology – Pre-Professional) and Talisa Gonzalez (Psychology – Pre-Professional) were accepted to the Forensic Psychology graduate program at Marymount University; and Joseph Mayor (Psychology – Behavioral Neuroscience) was accepted to Loma Linda Medical School.

Website: <https://www.andrews.edu/cas/behavioral/>



BHSC Department students (from left to right: Nathaniel Tchamba, Talisa Gonzalez, David Sherman, and Brittney Byrd) and Dr. Karl Bailey who attended the third Southwest Michigan Psychology Undergraduate Research Conference on April 6 which was hosted by the Western Michigan University Chapter of Psi Chi.



Madagascar Study Tour: Exceeding All Expectations

When I decided to join the graduate program of Community and International Development there were several things I expected. I, of course, expected to learn about the theory of community development and increase in knowledge necessary for me to work in what I believe to be a necessary yet ever-changing field. I expected to meet students from around the world, with various levels of experience, and with differing skill sets than myself. I expected to gain greater clarity about where I fit in this field and hopefully some direction about what I'd like to do with this degree. I expected to write a lot of papers, spend hundreds of hours reading, and develop my research skills. As I am winding down my program, I can say that the Community and International Development program has met all of these expectations. But when I signed up for the Madagascar Study Tour, I had no idea what to expect. After overcoming the initial worries about the cost of the trip, and how it would impact my budget and the course of my program, I made my deposit and began to prepare for a little under a month in Madagascar. I registered for the two courses that trip covers, Poverty Analysis & Reduction Strategies and Humanitarian & Development Practice. I packed my bags, did my pre-work, and departed with 6 other classmates on May 13, 2019 for Antanan-

arivo, Madagascar. Each day of the tour focused on one of the UN's 17 Sustainable Development Goals. Each of our visits connected not only with the goal, but with our broader examination of poverty and development practice. For example, one of our visits included a visit to a local community outside of the capital that is a large producer of eggs. We were given a tour of the village by the mayor who is also a medical doctor in the community and had the opportunity to learn more about local politics, education, and economy through agriculture. We saw first-hand with this visit and the others we had, the complexities of communities and local development contexts, the factors that lead to poverty, theories of poverty and solutions used by local practitioners to address poverty at various levels.

This trip was one in which theory and praxis were perfectly blended to create a comprehensive learning experience. In addition to the learning experience, being in Madagascar reminded me why I joined this program in the first place. My desire to be an advocate for equity in our

society, to do the slow, system-transforming work of creating communities that enable all individuals to be empowered and live a quality life, was reaffirmed while in Madagascar. I carry the stories with me of the men, women and children I encountered. I carry with me the experiences of walking through the crowded streets of Tana, hiking barefoot and crossing a river to a rural village outside of Tamatave, holding the hand of a child with whom I could share little words but the comfort of walking hand-in-hand, and meeting one of the government's highest officials. I carry with me the sounds, sights, tastes, and smells of the city and the country. Of all the expectations I had when I started the CIDP program and of all the expectations I did not have when signing up for the study tour, I can say without doubt that the Madagascar Study Tour is an experience that students need. It's more than just six credits, it's more than an opportunity to travel, it's an opportunity to learn and grow that will exceed all expectations.

Note: I kept track of all my experiences in Madagascar via my social media. These photos and stories were compiled and shared in a photojournalism article through Spectrum Magazine. Learn more about my experience on the study tour here: <https://spectrummagazine.org/arts-essays/2019/beauty-behind-us-stories-madagascar>

Website: <https://www.andrews.edu/cas/behavioral/cidp/>





Retirement celebration of Lawrence W. Onsager

New Staff. During the 2018-19 school year, we added three new employees to the staffing, namely: Margaret Adeogun, Head of Patron Services & Marketing; Zorislav Plantak, Systems Librarian; Kevin Reiner, Resource Sharing Manager; and Vicki Wiley, Office Manager.

Retirements. The Dean of Libraries, Lawrence W. Onsager, retired after 18 years of service to Andrews University. Others who retired included Steve Sowder, Systems Librarian; Mildred McGrath, Patron Services Manager; and Wanda Cantrell, Office Manager.

Projects. When walking through the stacks of the James White Library, there are many areas where the shelves are full to bursting. There is little room to add new titles. To solve this problem, the James White Library contracted with OCLC to provide an analysis of the collection using a program named GreenGlass. This program allows us to identify titles that:

- have been sitting on the shelves for 20 or more years and which have never been checked out, but which are readily available in other libraries where we can get them through interlibrary loan. These titles are candidates for possible removal.
- are available full text online in HathiTrust. We retain access to the content so we can remove the physical copy on the shelves.
- are not found in other libraries. These will be secured in a Rare Book room.



Library Week display

Service Improvement. In order to promote library user experience, the library made the following enhancements to our service models: we installed libCal, a space management software to enable our patrons to make space reservations from anywhere and at any time. Our new digital signage has enabled the library to promote its services and communicate with patrons more easily. Through the digital signage, we have been able to relate campus news and events to our patrons as well, making the library a clearinghouse for campus news. The SenSource people counting software gives insights into the library's traffic patterns and peak times for improved daily operations and service restructuring.



Josip Horonic receiving the Heart@Andrews award

Faculty Activities: The library was blessed with faculty awards, promotion, and publications. Josip Horonic, the Systems Manager, received the Heart@Andrews Award. Philip Tan, a senior cataloger, was promoted to the rank of Associate Professor with tenure. Many of our faculty members engaged in research activities that resulted in several publications: Helms, Bernard; Helms, Cynthia (2018).

A Citation study of Andrews University seminary dissertations. *Journal of Adventist Libraries and Archives*, vol. 3, Article 1. Robertson, Terry (2019). **Documentality and dialogue.** *15th Annual Seminary Scholarship Symposium*, Feb. 12, 14-16, 2019. Robertson, Terry (2019). **Towards a biblical foundation for a philosophy of librarianship.** *Journal of Adventist Libraries and Archives*, vol. 4, Article 1. Adeogun, M (2019). *Library space as a teaching and learning resource: the experience of one class.* *Journal of Adventist Libraries and Archives*, vol. 4, Article 2.

Special Events. At the Library Council of May 15, 2019, the Dean of Libraries and members of the Council participated in the unveiling of the portrait of Hyatt Moore's *The Last Supper with Twelve Tribes*. The painting commemorates the inclusion of all peoples under God.

Website: <https://www.andrews.edu/library/>

DEPARTMENT OF SOCIAL WORK

By Dr. Curt VanderWaal

Social Work's 2018-19 has been both eventful and productive. Our first piece of good news is that the Andrews University Board voted to upgrade our status to School of Social Work! We are excited by this new phase in our history, which (almost!) coincides with the 25th anniversary of the beginning of our Masters in Social Work (MSW) program in 1995.

Our Bachelors in Social Work (BSW) and MSW programs continue to thrive, with around 100 students in both programs. We continue to produce graduates who are successful in the field of social work. Our latest five-year alumni survey shows that, of those who responded, 100% of those who attempted their state board exam passed that test. In addition, 100% of those who had looked for a social work job had found one.

We worked hard to obtain re-accreditation for our BSW and MSW Programs. Under the leadership of Curt VanderWaal, the



incredibly large self-study documents had key sections written by Alina Baltazar (MSW Program Director), Desi Davis (BSW Program Director), John Gavin (BSW Washington Adventist University), Krista Cooper (Assessment Coordinator) and Twyla Smith (Director of Field Education). Shannon Trecartin provided invaluable support and writing in the assessment and diversity chapters and Ingrid Slikkers added critical documentation support. The self-study submission was followed by a smooth site visit by the Council on Social Work Education (CSWE) in April. We fully anticipate receiving an 8-year re-accreditation when CSWE reviews our site visit findings in the fall.

We are also pleased to announce that we have created a Center for Trauma Education & Care, coordinated by Ingrid Slikkers. We have received start-up funding from a private donor and look forward to integrating trauma education throughout our curriculum in the coming year. We will also feature trauma education as a new focus area for MSW students starting this Fall Semester. Over the past year we provided trauma education to the Navaho Nation Reservation in Chinle, AZ as well as offered family-centered trauma education/care to Latino families in North Carolina. This summer, faculty and students are traveling to refugee camps in Ethiopia and Cambodia to provide similar services. Within these trips, our team delivers introductory trauma education to individuals while providing intentional, research-based ideas with sensory-related tools to encourage healing. Workshops and individual consultation are provided to trauma survivors but also community leaders, teachers, pastors and first



responders who will then continue to use and teach these skills to others (training the trainers).

Faculty had a banner year for scholarship, so much so that we can only list the highlights, which include six peer-reviewed articles or book chapters and thirty-seven peer-reviewed conference presentations. Our findings were published and presented with the help of twelve students, faculty from six departments across the university, as well as faculty from six outside universities or professional organizations. In addition, Curt VanderWaal and Alina Baltazar organized the Adventist Human Services Research Association conference held at Andrews University last summer, which resulted in a co-edited book. In addition, faculty conducted peer-reviews for three scholarly journals and brought in almost \$20,000 in external research funds.

In other news, Margaret Howell and Desi Davis worked to obtain full state certification in School Social Work, Alina Baltazar led in establishing a new MSW/Master of Business Administration Dual Degree, and Twyla Smith and Desi Davis worked with John Gavin at Washington Adventist University to strengthen their BSW program and field education components in preparation for re-accreditation. Finally, we welcomed a new office manager, Nathaly Ortega, whose cheerful and efficient approach to students and faculty has helped us to manage our busy and sometimes-chaotic lives.

Website: <https://www.andrews.edu/cas/socialwork/>



The 2018-2019 year was a time of transition for the Undergraduate Leadership (Ulead) program. The program joined the Social Sciences division of the College of Arts & Sciences; as a result Ulead has become more involved in the work of the Andrews University Unified Outcomes curriculum overview. Kari Prouty, new Ulead director, co-lead a discussion to clarify the shared curriculum and measurements used to determine outcomes for all AU students, focusing on Transferable Life skills (skills which are considered by employers to be the most important in determining the likely success of employment candidates) including resilience and reflective learning.

Thanks to the support of alumni backers, Ulead was able to send two instructors for further certification in both Coaching and Strengths Training. This training will enrich Ulead and the Andrews University campus as a whole (both instructors are also deans for Meier Hall and have daily interactions with and oversight of most of the male undergraduate population).

Thanks to a new corporate supporter, UltraCamp, (owned by Daniel Ashley and Jason Payne both AU alumni) Ulead held mock interviews at UltraCamp's headquarters in Niles, Michigan. Seniors were treated to a wide variety of possible interview styles and environments in order to prepare them for their upcoming graduation and introduction to the work world.

This year Ulead also provided support and mentorship to world changing students:

A hundred pieces of Laffy Taffy started a conversation in the Fundamentals of Leadership class that ended with students helping local students and community members experiencing food insecurity. The end of the semester means students purchasing things in the Gazebo to use up remaining cafeteria account funds. The Laffy Taffy belonged to freshman student Nehemiah Sitler. He thoughtfully shared his candy with other classmates and this started a conversation. The class wished for another way to use remaining funds and brainstormed some of the ways this could be done. Nehemiah stepped up and carried through what this discussion began. He created the opportunity for Andrews Students to donate leftover cafeteria funds to God's Abundant Pantry (a food bank ministry organized by Pioneer Memorial Church). In less than two days several thousand dollars were donated by 131 Andrews Undergraduate students.

Gwendoline Albright, a Senior Architecture student, enabled a collaborative design for a



bright socially active indoor/outdoor public space in the center of campus that would encourage students, faculty, and staff to go outside regardless of the season; providing them with a destination that is experientially connected to the landscape. The goal was to design a space that would run all year long accommodating at least 30 people in a cozy and enjoyable environment that would also help prevent seasonal affective disorder in the Andrews University community. Gwen conducted a charrette (an architecture design event) of both students and professors who created several designs which, if built, would meet the needs of current and future Andrews Students. These designs have already been shared with Andrews Administrators.

Eveny "Ev" Milliner's project was a response an emergency. Chaplain Michael Polite's son Jeshier, was born prematurely and was in a neo-natal intensive care unit. Her inspiration was a blog post by Chaplain Polite describing the imaginary world he experienced with his son Jeshier. Ev created the "Starship Jeshier" T-shirt design using Polite's images of the incubator as a spaceship and



little Jeshier wearing an epic pair of sunglasses. As Ev states, "The t-shirt is a declaration of love and support for a family that deserves more than love and support can give."

Functionally, this project consisted of establishing relationships and rapport with the family, designing the t-shirts, and creating a way for Andrews University and the broader church community to support the family. Ev built a social media presence so that supporters and donors could help on multiple platforms (Etsy, Kickstarter, emails, hand selling, and even church bulletins). Ev has stated that this structure and the things that she learned through the project will be used to help others in the future.

Kia Williams started an outreach program for the AU women's basketball team. Her plan connected the team with the outreach coordinator at the YMCA. Kia and her teammates ran basketball clinics for elementary school students at the Benton Harbor/St. Joseph YMCA. It was important to Kia that this let the local kids know that the team members cared about them. Kia explains, "[We] hope to help these children see the underlying values learned in the game of basketball and how they can be applied in their lives in practical ways." The project was popular with both the team and the students. Kia's structure has been implemented by the Andrews University Lady Cardinals basketball team and the team plans to continue working with the community in this manner in the future.

Ulead shines through the students we prepare for the work of Servant Leadership. Whether minors, certificates, or a la carte classes, we are changing the world, one student at a time.

Website: <https://www.andrews.edu/cas/ulead/>

By Paul Kim



This year, the Department of Visual Art, Communication & Design welcomed a new faculty member and artist-in-residence from Europe to build on the growth and recent accolades in the film program. The highly talented Austrian Sebastian Woeber is a Director of Photography and a graduate of the prestigious Film Academy Vienna. He is the founder of Cinema5D.com, one of the leading websites exploring film technology and equipment. His unique insights and technical prowess have strengthened the film program this year, and the students have responded positively to his high standards.

The Communication programs consistently highlight the opportunities available to the students for professional development. In October 2018, seven graduate students, two undergraduate students, and two faculty members attended the Society of Adventist Communicators Conference (SAC) held at the North American Division headquarters in Maryland. One of our faculty members, Heather Day, received the prestigious Young Professional Award. Chelsya Waworuntu, an MA Communication graduate student, emphasized the networking opportunities: “The doors that were opened through SAC reminded me exactly why I wanted to pursue Communications in the first place.”

The Department of Visual Art, Communication, and Design at Andrews University is committed to publishing quality content and beautiful design. We are thrilled that our award winning *Envision* magazine continues to set the pace for collegiate publication nationally. It is a byproduct of intradepartmental collaboration, where our communication, film, design and photography students work together to create a compelling, professional publication.

According to Heather Day, our editor and also Associate Professor of Communication, this year the magazine set out to tell honest stories reflective of young adult culture and to do it well enough that people noticed nationally: “Our students worked hard to put together a quality product. This fall we were recognized by the Associated Collegiate Press, a national organization that sets the standards for collegiate publications. *Envision* won a Pacemaker, which is considered the Pulitzer Prize of collegiate journalism.”

For *Envision's* latest issue we were able to bring to campus Wandile Mthiyane, a recent Andrews graduate who was recognized by Tedx as one of the top 100 millennial world changers. He spoke to students about the importance of serving in the spaces of your life where you were not served. Last month, Wandile became an Obama Fellow.

His faith and work of building homes with dignity through Unbuntu Design in South Africa inspires young adults in our church to believe that their service can be their legacy. His story became *Envision's* cover story and we are honored to share it.

In March 2019, three of our graduate students presented their research at the MASAL conference held at Alma College. It was a great opportunity for our students to engage with other scholars within the Michigan academy. Several of the students in attendance are already working on their research and production projects in anticipation of next year's events.



Website: <https://www.andrews.edu/cas/vacd/>



Teaching Award

Research & Creative Scholarship Award

Service Awards

Research Mentor Awards

AWARDS

2019 DANIEL A. AUGSBURGER AWARD FOR EXCELLENCE IN TEACHING



Julia Kim (English)

Julia Kim's teaching embodies the philosophy of teaching to which Andrews University aspires and is characterized by excellence, inquiry and compassion. She teaches a wide range of classes: first-year college writing, English to speakers of other languages, a graduate seminar on Global Englishes—varieties of English spoken around the world, to name just a few. In the class-

room Julia skillfully combines academic rigor with teaching strategies that spark her students' interest. She brings cutting-edge research and information to her presentations and also engages students with her innovative use of technology, encouraging student participation and peer interaction both in and out of the formal classroom setting.

Julia is an inquisitive, energetic learner herself and never shrinks from tackling new knowledge. A colleague observes, "It's too hard" are words that Julia surely has never uttered in any language when facing professional challenges." As a very active research faculty, Julia infuses her own scholarly endeavors with this spirit of inquiry and models good research practices for her students. Julia generously shares her scholarly expertise, mentoring her students to present papers at academic conferences and collaborating with colleagues.

Julia is also very sensitive to the diversity she encounters among her students, and she is skilled at recognizing and responding to cultural differences. Her care and concern for her students reaches to the bedside of a student undergoing surgery in Ann Arbor, to a young woman struggling to finish the final requirements for her degree long distance, to families facing food insecurity. One of her students says, "Dr. Kim cares deeply, and it shows to everyone who knows her. It is clear to those of us who call her teacher that she cares immensely about her students, about her teaching, about her field of study and research, about this university, and about her Savior. Her attention to detail, her fairness, her calm, her openness, and her encouragement have impacted us, and we are enriched by her."

2019 SIEGFRIED H. HORN AWARD FOR EXCELLENCE IN RESEARCH & CREATIVE SCHOLARSHIP



Harvey Burnett (Behavioral Sciences)

Harvey Burnett is an outstanding example of the best of what Andrews's faculty can be. Harvey comes from an interdisciplinary background that has played a major role in his professional development and contributions

to our community. He holds a Master of Divinity and a PhD in psychology.

He has an outstanding record of integrating faith, teaching, service and research in his career. His students and colleagues consider him an outstanding teacher, advisor and mentor. Harvey has a global reputation for his commitment to service in many roles from local conflict resolution and work with police departments to international disaster recovery.

He also has established a strong scholarly record of accomplishment and, perhaps more importantly, he has continued to develop a strong departmental scholarly productive culture in the Department of Behavioral Sciences. His faculty and students lead the College of Arts & Sciences in scholarly productivity. His research mentoring of students has helped produce outstanding scholarly work that has resulted in a high number of student presentations at regional and national conferences and student co-authored publications. His example has been inspirational to his colleagues.

2019 BRUCE E. LEE AWARD FOR EXCELLENCE IN SERVICE



Gunnar Lovhoiden (Engineering)

Gunnar Lovhoiden received the 2019 Bruce E. Lee Excellence in Service Award for his outstanding community service. He was a core team leader a church plant in 1998 for an experimental church of small groups launched by NADEI, the Calvary Road Community Church, an SDA Church in Niles, MI. He is Ministry Leader for the

Monthly Mobile Food Pantry, which recently served 140 families in a single event. Gunnar was responsible, along with his small group, to adopt a neighborhood in Niles, which is now a strong center for outreach to kids and teens. Every month he leads out in delivering food door to door to residents from local farmers and purchased from the warehouse at Feeding America. Gunnar's favorite role is behind the scenes. He sets-up the church at least twice a month. At the church's annual Easter Egg Hunt and other events for the community, Gunnar will be the first to arrive to make sure all equipment and tables, etc. are set up. In addition, Gunnar works with the children's ministry along with his wife, Linda, teaching 10-13 year old youth at least twice a month. He is frequently involved in doing projects, which use his skills in construction, mechanics, and cutting firewood to serve people who do not have the means to fix or provide for themselves. A direct quote from Gunnar is "I don't think God wanted us to serve for what it would do for them but what it would do for us." His pastor, Mark Youngberg, notes, "I personally think that Gunnar takes seriously the call to love your neighbor as yourself in the way Jesus meant it. He loves interacting and conversing with those he serves and knows them by name as well as their stories. His greatest joy is to serve the "least of these."

2019 UNDERGRADUATE RESEARCH MENTOR AWARDS

The following quotes are from tributes given by undergraduate students mentored by the faculty award recipients.



Adriana Perera (Music)

Adriana Perera's strong dedication to both the local and extended community is remarkable. Since she came to Andrews University to teach in the Music Department, she has demonstrated passion for service and for participating in activities beyond her teaching responsibilities. For example, Adriana has developed a ministry to teach music to inmates

of local prisons. She has organized a group of students, from the music department and others, to go with her and support this ministry. The time and effort involved in keeping this initiative running is impressive. For weeks and months, both students and inmates have been able to work together, share their love for music, and see how their lives have positively changed because of this experience.

In addition, Adriana has designed and supported several initiatives on campus to encourage college and high school students to take part in music groups. Her service to the SDA Church is equally valuable. As a strong supporter of the integration of worship and music, she has travelled to several countries to make presentations and guide pastors and congregations as they look for venues to achieve such a much-needed integration. In conclusion, Adriana is involved in helping and providing service in all levels: university, local community, the state of Michigan, the United States, and the whole world. Finally, her strong collaboration with AULA (Andrews University Latino Association) has been so important for Hispanic students who see in Adriana a true role model. A Latina who overcame difficulties to achieve her goals and became not only a college professor, a department chair, and an international speaker but also a person devoted to serve and help everyone who is in need.



Melissa Ponce-Rodas (Behavioral Sciences)

Melissa Ponce-Rodas has led out in two crucial service areas at Andrews University. She organized an Andrews University response to Hurricane Maria that hit Puerto Rico in 2017. She led a team of emergency and trauma responders that included faculty from the Behavioral Sciences and Social Work Department as well as from the School of Education.

This team was able to provide needed resources and training that facilitated recovery. In addition, Melissa has been an active part of the End It Now campaign, which calls for an end to interpersonal violence. She has played a major role in working with the Hispanic community on domestic violence issues.



Benjamin Navia (Biology)

"When I found out that Dr. Navia was going to be my research mentor, I was excited because he is a widely respected professor known not only for his scholastic abilities but also more uniquely for his genuine care and interest in his students' learning. My experience working on his research team has only confirmed this. Those of us on the cricket team have

been able to witness Dr. Navia's other good qualities such as his tireless work ethic as well as his ability to form meaningful relationships with his students.

"No matter how busy he is, Dr. Navia has always made himself available to help us. In the cricket lab, we all know that we can ask Dr. Navia any question (no matter how small it is or how many questions we have already asked that day) and he will kindly explain the answer until he is confident that we are effectively able to navigate the issue.

"Dr. Navia goes way above and beyond what is asked of him as a research mentor. It is not unusual to see him spend hours tinkering with cricket machinery to help a student with their problem; a feat that many would see as not their responsibility. On top of the time that Dr. Navia spends every week giving guidance, he has spent countless hours helping me and the other students in the lab compile data and put together posters and presentations to make sure that we are properly prepared. Dr. Navia has also given me extremely valuable advice at a time when I needed it the most. I know that I am one of many students (inside and outside of the lab) that Dr. Navia has influenced in a similar way.

"I originally started working in Dr. Navia's lab in order to gain research experience and motor dexterity to prepare me for medical school. While this did happen, under his guidance I also gained a love for research and formed a great group of colleagues who I now call friends."

"I have had the honor of having Dr. Navia as my undergraduate research mentor over the past two years, and it has been an incredible privilege. Together, we investigate the relationship between behavioral and neuronal responses in a cricket model via painstaking cycles of trial-and-error. To clarify, the project that I am working on is not an easy one; however, throughout the entire process, Dr. Navia has helped mentor, guide, and motivate me. There were many times where I felt defeated and dejected, but he has always had words of encouragement. 'You're building character,' is one of his favorites. He also consistently pushes me to test my own intellectual limits, and teaches me when I err.

"Finally, Dr. Navia has inspired me through his genuine investment in learning about his students and mentees, and the way that he respects,

cares for, and seeks to understand and accommodate each of our backgrounds. I believe this is something which everyone at Andrews University should seek to emulate. He has taught me more than I could possibly imagine knowing about crickets, and he has truly been an inspirational figure to me during my time here. I believe that he is undeniably qualified and deserving of the 2019 Undergraduate Research Mentor Award.”

“I am so glad I got to work with Dr. Navia in doing this research. Through collecting and analyzing my data, I learned to think in more three-dimensional ways that required honest self-evaluation and much thinking outside the box. I learned how to communicate my research content to an interdisciplinary audience in a way that will speak relevance and ‘light-bulb moments’ to them. I got to have many fun, learning experiences by attending conferences where I got to present my research. Through these conferences, I was able to experience the bigger ocean of academics that reminded me once again that there is a lot more to see, learn, and challenge myself with. I am thankful for all the work Dr. Navia is doing of which helped me to get to where I am today! Thank you very much, Dr. Navia!”

“I have worked with Dr. Navia as my research mentor for the past couple of years. He is an amazing research mentor. In lab, it is very easy to become frustrated and discouraged when working with crickets, but in Dr. Navia’s lab that is not what happens. He drops words of encouragement and wisdom throughout the lab work day that make it easier for all of us to power through each experiment. Dr. Navia also does a great job at building up the lab’s morale as a team. We have get-togethers and research meetings that help us to catch up with the other projects being conducted and to build deeper friendships with one another. I have definitely enjoyed working with Dr. Navia, and he is a worthy recipient of the Undergraduate Research Mentor Award.”



Melissa Ponce-Rodas (Behavioral Sciences)

“Dr. Melissa Ponce-Rodas... What can I say? No student’s research experience is complete until given the chance to cross paths with a professional of her caliber. She embodies the whole person concept as described by God’s Servant in her inspired work Acts of the Apostles, p. 318: ‘No matter how high the profession, he whose heart is not filled with love for God and

his fellow men is not a true disciple of Christ.’ During my time with Dr. Ponce-Rodas, I have seen first-hand her devotion for her mentees—myself included—as well as her profession. On the relational aspect of working with her, I am touched to see how we were—as I am positive her current mentees still are—her most important asset, our wellbeing her number-one concern. While mentored by Dr. Ponce-Rodas, there was never a time when she assigned me a task in which she did not take the time to also assess my current life situation, and, if needed, lend a helping hand or a much needed and appreciated word of advice, whether career or non-career related. Having Dr. Ponce-Rodas as my research mentor was nothing short of a blessing as sharing our values enhanced our work and our connection. Workwise, she offered us a safe environment and set the ideal tone for any mentee, new or seasoned, to grow professionally and spiritually, especially while handling such a sensitive

and taboo subject as it is the existence of domestic abuse in the SDA Church. The knowledge and practice I acquired while working with her will always be unparalleled. Only with her did I have the opportunity to exercise in the real world what I learned in the classroom. Only with her did I find out that such a field as Community Psychology exists and how rewarding and innovative it is! If not for her, I would have never imagined I was up to the challenge of presenting my own posters at different research events, during which my work was also noticed and complimented by other professors. No other professor or advisor I had during my run through AU, kept me in mind for any professional development opportunity like she did, whether a work shop or a conference; not once did she leave me outside of her agenda. Every research related meeting with her was stimulating, thus inviting me as her mentee to ask more questions. She welcomed any useful input and insights I offered related to the subject, while also clearing away confusion. Dr. Ponce-Rodas has undoubtedly been, and will always be, pivotal in my personal, career, and professional development. No other educator and community servant will bring credit upon AU by touching the lives of her mentees and students as Dr. Melissa Ponce-Rodas ever will. Any educational institution needs to be aware of the honor it constitutes to have this eminence within its ranks.”

Peer-Reviewed Publications

General Publications

Presentations

Performances

Exhibitions, Recordings & Film Production

Faculty Research Grants

Undergraduate Research Scholars

Graduate Research Grant Recipients

RESEARCH & CRE-
ATIVITY

2018-19 PEER-REVIEWED PUBLICATIONS

Bold italics = graduate student co-author,
italics = undergraduate student co-author

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- International Languages & Global Studies**
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- Martha Byrne, Sarah Hanusch, **Robert C. Moore**, and Tim Fukawa-Connelly. Student interpretations of written comments on graded proofs. *International Journal of Research in Undergraduate Mathematics Education* 4(2), 228-253, 2018.
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- Shandelle M. Henson, Robert A. Desharnais, Eric T. Funasaki, Joseph G. Galusha, James W. Watson, and James L. Hayward.** Predator-prey dynamics of bald eagles and glaucous-winged gulls at Protection Island, Washington, USA. *Ecology and Evolution* 9(7), 3850-3867, 2019.
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- Suzanne L. Robertson, **Shandelle M. Henson, Timothy Robertson, and J. M. Cushing.** A matter of maturity: To delay or not to delay? Continuous-time compartmental models of structured populations in the literature 2000-2016. *Natural Resource Modeling* 31(1), e12160, 2018.
- Physics**
- J. Michael Bryson, Jonathan M. Wheeler, and Mickey D. Kutzner.** Lab circuit boards you can build. *The Physics Teacher* 56, 392, 2018.
- Dejun Fu, Uygun V. Valiev, **Gary W. Burdick, and Pavel E. Pyak.** *Interaction of Electromagnetic Radiation with Matter*. Science Press: Beijing, China, 2018.
- Mickey D. Kutzner and J. Michael Bryson.** Cell membrane potential model circuit lab. *The Physics Teacher* 56, 540-543, 2018.
- Rakhim Yu Rakhimov, Uygun V. Valiev, **Gary W. Burdick, Ramil R. Vildanov, and Dejun Fu.** Investigation of J-J “mixing” mechanism influence on optical and magneto-optical properties of praseodymium yttrium-aluminum garnet PrYAG. *Journal of Luminescence* 207, 339-345, 2019.
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- Tiffany Z. Summerscales with B. P. Abbott et al.** (LIGO Scientific and Virgo Collaborations). Searches for continuous gravitational waves from 15 supernova remnants and Fomalhaut b with Advanced LIGO. *Astrophysical Journal* 875(2), 122, arXiv: 1812.11656, 2019.
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- Tiffany Z. Summerscales with M. Soares-Santos et al.** (LIGO Scientific and Virgo Collaborations). First measurement of the Hubble Constant from a dark standard siren using the dark energy survey galaxies and the LIGO/Virgo binary-black-hole

merger GW170814. *Astrophysical Journal Letters* 876(1), L7, arXiv: 1901.01540, 2019.

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Religion & Biblical Languages

Rodney Palmer. Review of Hyveth Williams, *Nothing but the Best: A Guide to Preaching Powerful Sermons* (Xlibris: Bloomington, IN, 2018). *Homiletic* 43(2), 40–41, 2018.

Rodney Palmer. Review of Matthew D. Kim, *Preaching with Cultural Intelligence: Understanding the People who Hear Our Sermons* (Baker Academic: Grand Rapids, MI, 2017). *Ministry*, June 2018, 25.

Davide Sciarabba. Hacia una etica de E. G. White. Pp. 123–143, in Denis Fortin, Abner F. Hernandez, and Davide Sciarabba (eds.), *Por Qué Creemos en E. G. White y el Don Profético? Una Perspectiva Histórica y Bíblica*. Gema Editores: Ciudad de México, Mexico, 2018.

Social Work

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Krista Cooper. Research advocacy: Afro-Caribbean immigrant women living with HIV. *Journal of Social Work and Christianity* 46(1), 41–48, 2019.

Rosalie Liccardo Pacula, Jamie F. Chriqui, Yvonne M. Terry-McElrath, **Curtis J. VanderWaal**, and Frank J. Chaloupka. Marijuana liberalization policies: The importance of evaluating the impact of state laws in the U.S. Pp. 399–424, in Yvonne M. Terry-McElrath, Curtis J. VanderWaal, Alina M. Baltazar, and David J. B. Trim (eds.), *Promoting the Public Good: Policy in the Public Square and the Church*. Avondale Academic Press: Cooranbong, Australia, 2018.

Ingrid Weiss Slikkers and Orelia Daye. The impact of trauma: How do we present Jesus to those so fractured? *Journal of Adventist Mission Studies* 14(1), 37–47, 2018.

Shannon M. Trecartin and Sherry M. Cummings. Systematic review of the physical home environment and the relationship to psychological well-being among community-dwelling older adults. *Journal of Gerontological Social Work* 61(5), 567–582, 2018.

Curtis J. VanderWaal, John T. Gavin, and William Ellis. Seventh-day Adventist opinions on same-sex attraction and same-sex unions. Pp. 191–214, in Yvonne M. Terry-McElrath, Curtis J. VanderWaal, Alina M. Baltazar, and David J. B. Trim (eds.), *Promoting the Public Good: Policy in the Public Square and the Church*. Avondale Academic Press: Cooranbong, Australia, 2018.

2018-19 GENERAL PUBLICATIONS

Bold italics = graduate student co-author,
italics = undergraduate student co-author

Agriculture

Garth B. Woodruff. 17 pollution resolutions. *SpinSheet: Chesapeake Bay Sailing* 24(2), 23, 2018.

Garth B. Woodruff. Spring rituals. *SpinSheet: Chesapeake Bay Sailing* 24(5), 39, 2018.

Behavioral Sciences

Harvey J. Burnett. Grey death: A scary new trend in opioid use. *Message*, March/April 2018, 6–7.

Harvey J. Burnett. Mission trip to Puerto Rico 2018: Empowering mental health resiliency. *MCRA Connections*, August 2018.

Douglas Clark, in collaboration with Lawrence Geraty, Larry Herr, **Øystein S. LaBianca**, and Randall Younker, and with contributions from Stefanie Elkins-Bates, Jillian Logee, Brian Manley, John McDowell, Kristina Reed, Rhonda Root, Marc and Sharon Ullom. The Madaba Plains Project comes of age: MPP@50. *Spectrum* 46(3), 69–84, 2018.

Øystein S. LaBianca. A faith for today: Saving the planet. *Seventh-day Adventist Educators Blog*, March 11, 2019.

Peter N. Landless and **Duane C. McBride**. No safe level of alcohol consumption: Another compelling and roust confirmation. *Adventist Review*, August 27, 2018.

Peter N. Landless and **Duane C. McBride**. There is no safe level of alcohol use. *Adventist Review*, April 20, 2018.

Duane C. McBride. Addiction and Substance Abuse. *College and University Dialogue* 30(2), 5–10, 2018.

Rachelle E. Pichot, **Harvey J. Burnett**, and **Karl G. D. Bailey**. Empowering frontline trauma responders: Keys to resilience. *LifeNet* 29(3), 5, 13, 17, 2018.

Bethany J. Walker and **Øystein S. LaBianca**. Hisban Cultural Heritage Project. *Archaeology in Jordan Newsletter: 2016 and 2017 Seasons*, 43–44, 2018.

Engineering

Enrico Camporeale, Simon Wing, and **Jay R. Johnson**. Space weather in the machine learning era. *Eos*, 99, July 6, 2018.

P. A. Damiano, C. C. Chaston, A. J. Hull, and **Jay R. Johnson**. Cluster helps solve mysteries of geomagnetic storms. *Cluster*, March 4, 2019.

Jay R. Johnson, Simon Wing, and Enrico Camporeale. Transfer entropy and cumulant-based cost as measures of nonlinear causal relationships in space plasmas: Applications to D_{st}. *European Geosciences Union News & Press Highlight articles [Annales Geophysicae 36, 945–952, 2018]*, July 2, 2018.

English

Vanessa I. Corredera. By beholding we become changed: Privilege, diversity, and inclusion in worship. *NAD Ministerial*, July 30, 2018.

Scott Moncrieff. “Flycatchers” and “Action Adventure Promo.” *Third Wednesday* 11(4), 25, 37, 2018.

James White Library

Kathleen M. Demsky. *Environmental Design Research Association Annual Bibliographic Publication: EDRA 50*. Andrews University Architecture Resource Center: Berrien Springs, MI, 2019.

Kathleen M. Demsky. *Environmental Design Research Association Annual Bibliographic Publication: EDRA 49*. Architecture Resource Center, Andrews University: Berrien Springs, MI, 2018.

Marianne Kordas. Program Notes. *Spring Concert*. Camerata Milwaukee, Shorewood, WI. May 19, 2018.

Marianne Kordas. Program Notes. *Baroque Sounds of the Season*. Camerata Milwaukee. Saint Joseph Center, Milwaukee, WI. December 2, 2018.

RESEARCH & CREATIVE ACTIVITY

GENERAL PUBLICATIONS / PRESENTATIONS

- Marianne Kordas.** Program Notes. *A Little Bizarre...A Little Extravagant.* Camerata Milwaukee, Shorewood, WI. February 23, 2019.
- Marianne Kordas.** Program Notes. *En Garde!* Camerata Milwaukee, Shorewood, WI. March 23, 2019.
- Xiaoming Xu.** Wellness: Learn to play Tai Chi. *ASDAL Action* 37(2), 20, 2018.
- Xiaoming Xu.** Food fair: Raising funds for the Student Scholarship Fund through AU International Food Fair. *ASDAL Action* 37(3), 4-5, 2018.
- Xiaoming Xu.** Six regrets. *ASDAL Action* 38(1), 7, 2018.

Music

- Adriana Perera.** Abrazos que curan. *El Centinela*, January 2018, 40-42.
- Adriana Perera.** Encuentro glorioso. *El Centinela*, April 2018, 6-10.
- Adriana Perera.** Progressive truth and progressive art: A reflection on music ministry as an evolving art. *NAD Ministerial*, April 29, 2018.
- Adriana Perera.** El triunfo de la alegría. *El Centinela*, August 2018, 16-19.
- Adriana Perera.** Pp. 69-77, 79-81, 83-100, in Diane Aguirre (ed.), *Hijas del Rey*. Pacific Press: Nampa, ID, 2018.

Religion & Biblical Languages

- Bill Wells** and **A. Rahel Wells.** "A Love Song for the Ages." *Adventist Review*, January 5, 2018, 37-41.

Social Work

- Silvia Bacchiocchi** and **Alina M. Baltazar.** Successful parenting begins with love. *Lake Union Herald*, October 2018, 6.
- Alina M. Baltazar.** Parenting doesn't stop at 18. *Lake Union Herald*, February 25, 2019.
- Alina M. Baltazar.** Uplifting the non-custodial parent. Pp. 55-63, in Willie Oliver and Elaine Oliver (eds.), *Reaching Families for Jesus: Discipleship and Service*. AdventSource: Silver Spring, MD, 2018.
- Ingrid Slikkers.** Surrendering our children to God. *Lake Union Herald*, January 2018, 6.
- Ingrid Slikkers.** Mentors wanted. *Lake Union Herald*, April 2018, 8.
- Ingrid Slikkers.** Counting every blessing. *Lake Union Herald*, November/December 2018, 6.
- Ingrid Slikkers.** How childhood trauma affects health across a lifetime. *Lake Union Herald*, January 2019, 6.
- Ingrid Slikkers.** Who are you following? *Lake Union Herald*, April 2019, 8.

Visual Art, Communication & Design

- Heather Day.** I like you in person, but not online. *Faithfully Magazine*, February 2, 2018.
- Sebastian Woeber.** Cartoni Focus 22 review: A more affordable tripod system for heavy cameras. *cinema5D*, November 2, 2018.
- Sebastian Woeber.** Aputure LS C300d vs C120d review: The bright future of LED. *cinema5D*, December 7, 2018.

2018-19 PRESENTATIONS

Bold italics = graduate student co-author,
italics = undergraduate student co-author

Agriculture

- Katherine Koudele,** Melissa Poua, Timothy Newkirk, and Karen Reiner. "The correlation between the milk somatic cell count and the differential leukocyte count in the blood of cows that

have a positive milk ELISA test for antibodies to the bovine leukosis virus." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Behavioral Sciences

- Karl G. D. Bailey.** "Games that promote retrieval." Roundtable, National Institute on the Teaching of Psychology. St. Petersburg Beach, FL. January 3-6, 2018.
- Karl G. D. Bailey** and **Duane C. McBride.** "A conceptual framework for analyzing the 2017-2018 Seventh-day Adventist global church member survey." Adventist Human-Subject Researchers Association Annual Meeting. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- Karl G. D. Bailey** and **Jessica A. Stelfox.** "Hope for here and hereafter: Relationship and hope motivation in Seventh-day Adventists." Adventist Human-Subject Researchers Association Annual Meeting. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- Karl G. D. Bailey.** "Usefulness of tracking critical thinking dispositions and skill self-assessments in the undergraduate research classroom." National Institute on the Teaching of Psychology, St. Pete Beach, FL. January 3-6, 2019.
- Karl G. D. Bailey.** "Creation and the cognitive sciences: Joint action, mental simulation, and human free will." Science-Theology Dialogue about Creation. Andrews University, Berrien Springs, MI. February 15-16, 2019.
- Karl G. D. Bailey,** Cooper B. Hodges, **Christiana D. Atkins,** **Paola S. Caceres,** **Eliana Iller,** **Alina M. Baltazar,** and **Duane C. McBride.** "Correlates of retrospective parental environment perceptions in emerging adults." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Karl G. D. Bailey.** "Undergraduate research experiences as critical thinking: Framework and assessment." Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 28, 2019.
- Karl G. D. Bailey,** Cooper B. Hodges, **Christiana D. Atkins,** **Paola S. Caceres,** **Eliana Iller,** **Alina M. Baltazar,** and **Duane C. McBride.** "Validation of a retrospective parental environment questionnaire in emerging adults." Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Alina M. Baltazar** and **Duane C. McBride.** "Intimate partner verbal abuse and alcohol use." Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mount Pleasant, MI. March 9, 2018.
- Alina M. Baltazar,** **Duane C. McBride,** and **Harvey J. Burnett.** "Intimate partner verbal abuse and alcohol use." Working Meeting of SDA Leaders and DV/IPV Prevention Advocates. Maui, HI. May 28-30, 2018.
- Alina M. Baltazar** and **Duane C. McBride.** "Verbal abuse and alcohol abuse and use." Adventist Conference on Family Research & Practice. Andrews University, Berrien Springs, MI. July 19-21, 2018.
- Alina M. Baltazar,** René Drumm, and **Duane C. McBride.** "Global family life education through the radio: A mixed method evaluation of Christian world radio family life programming." National Council of Family Relations Annual Conference. San Diego, CA. November 7-10, 2018.
- Danielle M. Barnard** (with **Joel L. Raveloharimisy**). "A case for principled humanitarian action: Hurricane Katrina and impartiality." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, Michigan. March 1, 2019.

- Brittney A. Byrd* and **Harvey J. Burnett**. “The effects of lineup instructions on eyewitness identification rates in real world settings.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Brittney A. Byrd* and **Harvey J. Burnett**. “Lineup instructions effects on eyewitness identification rates in real world settings.” Southwest Michigan Psychology Undergraduate Research Conference. Western Michigan University, Kalamazoo, MI. March 15, 2019.
- Brittney A. Byrd* (with **Herbert W. Helm Jr.** and **Duane C. McBride**). “Do religious abstinence beliefs for pre-marital sex influence sexual behavior rates?” Psi Chi Poster Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Brittney A. Byrd* and **Harvey J. Burnett**. “The effects of lineup instructions on eyewitness identification rates in real world settings.” Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Philadelphia Cadette* and **Joel L. Raveloharimisy**. “Save women of Waitukubuli: The integration of psychosocial humanitarian and advocacy efforts to eradicate GBV and sexual crime.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Ivy M. Cooper* and **Harvey J. Burnett**. “Does chiropractic treatment help with reducing headaches?” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Ivy M. Cooper* and **Harvey J. Burnett**. “Does chiropractic treatment help with reducing headaches?” Southwest Michigan Psychology Undergraduate Research Conference. Western Michigan University, Kalamazoo, MI. April 6, 2018.
- Stephen Eccles** (with **Duane C. McBride**). “The impact of family support and rejection among Seventh-day Adventist LGBT+ millennials.” Andrews Research Conference: Social Sciences. Andrews University, Berrien Springs, MI. May 14-16, 2018.
- Stephen Eccles** and **Duane C. McBride**. “Investigation of the relationship between community service & alcohol consumption in college students.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Leiali'i Edwards*, **Harvey J. Burnett**, and **Karl G. D. Bailey**. “An examination of resilience over time between men and women in Psychological First Aid.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Leiali'i Edwards* and **Harvey J. Burnett**. “Examination of resilience and sex in PFA.” Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Kelsey Fernandez* and **Karl G. D. Bailey**. “Tip-of-the-tongue phenomenon: Bilinguals’ word frequency and lexical development.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Trevor Furst*, *Curtis J. VanderWaal*, *Alina M. Baltazar*, and **Duane C. McBride**. “Sexual orientation, mental health and ethnicity in a church affiliated university.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Magdana Gedeon** (with **Joel L. Raveloharimisy**). “Generational poverty and humanitarian actions.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Talisa Gonzalez*, **Harvey J. Burnett**, and **Karl G. D. Bailey**. “The effects of adverse childhood experiences on parenting practices.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Talisa Gonzalez*, **Harvey J. Burnett**, and **Karl G. D. Bailey**. “The effects of adverse childhood experiences on parenting practices.” Southwest Michigan Psychology Undergraduate Research Conference. Western Michigan University, Kalamazoo, MI. March 15, 2019.
- Talisa Gonzalez*, **Herbert W. Helm**, and **Harvey J. Burnett**. “An examination of resilience, compassion fatigue, burnout, and compassion satisfaction between men and women among trauma responders.” Southwest Michigan Psychology Undergraduate Research Conference. Western Michigan University, Kalamazoo, MI. April 6, 2018.
- Talisa Gonzalez* and **Harvey J. Burnett**. “Examining resilience, compassion fatigue, burnout, and compassion satisfaction among responders.” Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Talisa Gonzalez*, **Harvey J. Burnett**, and **Karl G. D. Bailey**. “The effects of adverse childhood experiences on parenting practices.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Talisa Gonzalez* (**Herbert W. Helm Jr.** and **Duane C. McBride**, Faculty Sponsors) “Does cultural leveling with drug and alcohol use occur within a prohibitionistic university?” Psi Chi Poster Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April, 11-13, 2019.
- Abigail Hall*, **Herbert W. Helm Jr.**, and **Karl G. D. Bailey**. “Gender differences in mate selection.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Herbert W. Helm Jr.** “The challenge of getting students to conceptualize introductory statistics.” National Institute on the Teaching of Psychology Annual Conference. St. Pete Beach, FL. January 3-6, 2019.
- Herbert W. Helm Jr.** “Personal perpetual changes through an international tour.” National Institute on the Teaching of Psychology Annual Conference. St. Pete Beach, FL. January 3-6, 2018.
- Narda Miel Herimalala* and **Joel L. Raveloharimisy**. “Sport to improve and also promote our responses to mental health and psychosocial for IDPs.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Torian Hill*, **Harvey J. Burnett**, and **Karl G. D. Bailey**. “The procrastination game: Understanding the relationship between procrastination, stress, resilience, rumination, and academic performance.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Torian Hill*, **Harvey J. Burnett**, and **Karl G. D. Bailey**. “The procrastination game: Understanding the relationship between procrastination, stress, resilience, rumination, and academic performance.” Southwest Michigan Psychology Undergraduate Research Conference. Western Michigan University, Kalamazoo, MI. April 6, 2018.
- Torian Hill*, **Harvey J. Burnett**, and **Karl G. D. Bailey**. “The procrastination game: Understanding the relationship between procrastination, stress, resilience, rumination, and academic performance.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.

RESEARCH & CREATIVE ACTIVITY

PRESENTATIONS

- Jordanne Howell-Walton, Harvey J. Burnett, and Karl G. D. Bailey.* "Religiosity and acceptance of rape myth in conservative Christian students." Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Jordanne Howell-Walton and Karl G. D. Bailey.* "Problem solving across the disciplines." Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Jordanne Howell-Walton and Karl G. D. Bailey.* "Religiosity and acceptance of rape myth in conservative Christian students." Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Jordanne Howell-Walton and Karl G. D. Bailey.* "Religiosity and acceptance of rape myths in conservative Christian college students." Adventist Human-Subject Researchers Association Annual Meeting. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- Herman Tom Kaunda (with Joel L. Raveloharimisy).* "Humanitarian action during the Malawi food crisis caused by natural disaster of floods and droughts." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, Michigan. March 1, 2019.
- Ye Lim Kim and Karl G. D. Bailey.* "Effects of verbal fluency and common ground on eye movements and pupillometry." Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Ye Lim Kim and Karl G. D. Bailey.* "Effects of verbal fluency and common ground on eye movements and pupillometry." Southwest Michigan Psychology Undergraduate Research Conference. Kalamazoo, MI. April 6, 2018.
- Ye Lim Kim and Karl G. D. Bailey.* "Effects of verbal fluency and common ground on eye movements and pupillometry." Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Ye Lim Kim and Karl G. D. Bailey.* "Investigating the link between eye movements and related speech under working memory load." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Ye Lim Kim and Karl G. D. Bailey.* "Investigating the link between eye movements and related speech under working memory load." Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Øystein S. LaBianca.* "Biblical Heshbon fifty years later." Midwest Region Society of Biblical Literature. Saint Mary's College, Notre Dame, South Bend, IN. February 2-4, 2018.
- Øystein S. LaBianca, Stanley Lebrun, Jared Wilson, and Paul Roschman.* "Online rendering of the historical landscape of Hisban and vicinity, Jordan." Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Øystein S. LaBianca, Bethany Walker, and Maria Elena Ronza.* "Tall Hisban: Fifty years later." 50th Anniversary Celebration of the Madaba Plains Project in Jordan. German-Jordanian University, Madaba, Jordan. July 11, 2018.
- Øystein S. LaBianca.* "Tall Hisban." Annual Archaeology Discovery Weekend: Reinventing Biblical Archaeology—Results after 50 Years of Excavating in Central Jordan. Center for Near Eastern Archaeology, La Sierra University, Riverside, CA. November 10-11, 2018.
- Øystein S. LaBianca, Stanley Lebrun, Jared Wilson, and Paul Roschman.* "Ground-truthing of animated renderings of the historical landscape of Hisban and vicinity, Jordan." American Schools of Oriental Research Annual Meeting. Denver, CO. November 14-17, 2018.
- Øystein S. LaBianca.* "A global turn for the history and archaeology of Jordan: Scholars engaging a planet and a culture in crisis." International Conference on the History and Archaeology of Jordan (ICHAJ 14). University of Florence, Florence, Italy. January 21-25, 2019.
- Øystein S. LaBianca.* "Jordan in global histories: The view from Tall Hisban." International Conference on the History and Archaeology of Jordan (ICHAJ 14). University of Florence, Florence, Italy. January 21-25, 2019.
- Øystein S. LaBianca and Terje Stordalen.* "A global turn for the archaeology and history of the southern Levant." Annual Professor Workshop. W.F. Albright Institute of Archaeological Research, Jerusalem, Israel. March 7, 2019.
- Amy J. Manjarres and Melissa Ponce-Rodas.* "Exploring the impact of religion and gender role beliefs on domestic violence definitions among college students." Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Tshepo Mathekega and Joel L. Raveloharimisy.* "Is there a humanitarian mandate? An evaluation of the parable of the Good Samaritan - Luke 10:25-37." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, Michigan. March 1, 2019.
- Duane C. McBride.* "Reflections on forty-five years of research discovery." Andrews Research Conference: Social Sciences. Andrews University, Berrien Springs, MI. May 14-16, 2018.
- Duane C. McBride.* "Training: How to present your research." Andrews Research Conference: Social Sciences and Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 14-19, 2018.
- Duane C. McBride, Karl G. D. Bailey, and Petr Činčala.* "Social bonding and integration: Alcohol use among Adventist in the China Union." Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- Duane C. McBride.* "Historical perspectives" and "Prevention: Role of service." Journey to Wholeness Facilitator Training, North American Division Health Summit. Albuquerque, NM. January 20-26, 2019.
- Duane C. McBride and Alina M. Baltazar.* "Prevention: Role of family and community" and "Prevention: Role of faith." Journey to Wholeness Facilitator Training, North American Division Health Summit. Albuquerque, NM. January 20-26, 2019.
- Joshua Pazvakawambwa and Joel L. Raveloharimisy.* "How to involve technical experts in humanitarian direct assistance? A case for a holistic, comprehensive approach to humanitarian assistance." Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Rachelle Pichot, Harvey J. Burnett, and Karl G. D. Bailey.* "The effects of age on reactive and proactive resilience." Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Rachelle Pichot, Harvey J. Burnett, and Karl G. D. Bailey.* "The effects of age on reactive and proactive resilience." Southwest Michigan Psychology Undergraduate Research Conference. Western Michigan University, Kalamazoo, MI. April 6, 2018.

- Rachelle Pichot*, **Harvey J. Burnett**, and **Karl G. D. Bailey**. “The effects of age on reactive and proactive resilience.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Rachelle Pichot* (with **Karl G. D. Bailey** and **Harvey Burnett**). “The effects of age on reactive and proactive resilience.” Andrews Research Conference: Social Sciences. Andrews University, Berrien Springs, MI. May 14-16, 2018.
- Rachelle Pichot*, **Harvey Burnett**, and **Karl G. D. Bailey**. “Psychological perceptions of disaster misconceptions: Exploring the acceptance of disaster myths in relation to psychological well-being, resilience and conspiracist ideation.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Melissa Ponce-Rodas** and *Nicolai Williams*. “Does religiosity impact gendered rates of depression?” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Melissa Ponce-Rodas** and **Karl G. D. Bailey**. “Domestic violence, cognition and the church.” Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- Melissa Ponce-Rodas**, *Mary Insalaco*, and *Alisha Schneider*. “Nine days, 20 volunteers, over 1,000 people reached: How we translated psychological research into practice.” Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- Melissa Ponce-Rodas**, Krista Cooper, Alina Baltazar, and Petr Cincala. “Panel discussion: Professional development for early career researchers.” Andrews Research Conference: Social Sciences. Andrews University, Berrien Springs, MI. May 14-16, 2018.
- Melissa Ponce-Rodas** and A. J. Manjarres. “The church knows DV is a problem. Now what’s the next step?” *Striking a Blow against Spouse Abuse in the Adventist Church: What We Know, What Must Change, and How We Can Get There*. Working Meeting of SDA Leaders and DV/IPV Prevention Advocates. Maui, HI. May 28-30, 2018.
- Leanne Prendergast* (with **Joel L. Raveloharimisy**). “Insanity’s quiet side: Poverty’s impact on women in developed countries.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Rammy Solange Andriamasiarivelo Rajaofera* and **Joel L. Raveloharimisy**. “Assessing the effectiveness of media advocacy in Yemen humanitarian crisis: 2015 – 2017.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Lala H. Ramabefarison* and **Joel L. Raveloharimisy**. “Use of music therapy in complex humanitarian emergencies.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Tsiry Rasamimanana* (with **Joel L. Raveloharimisy**). “Humanitarian advocacy for the minor prisoners in Madagascar.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Feno H. Ravaoharisoa* (with **Joel L. Raveloharimisy**). “Madagascar’s community-based organizations can be integrated in humanitarian action.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, Michigan. March 1, 2019.
- Joel L. Raveloharimisy**, William M. Raymond, Marjorie R. Hershey, and Jacob Holt. “Career: Trying to balance work and life.” Round Table Participant. Midwest Political Science Association. Chicago, IL. April 5-8, 2018.
- Joel L. Raveloharimisy**, Brian Williams, Dirk Michael Horn, and Oluwatosin O. Akande. “Students: Tips for applying to graduate school.” Round table participant. Midwest Political Science Association. Chicago, IL. April 5-8, 2018.
- Joel L. Raveloharimisy**. “Teaching: Service Learning.” Round table Discussion leader. MPSA Annual Conference. Chicago, IL. April 4, 2019.
- David Sedlacek, **Duane C. McBride**, René Drumm, and Alina M. Baltazar. “Data makes a difference (Sometimes!).” Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- David S. Sherman*, *Carolyn B. Goynes*, *Yasmine Siagian*, *MariAlexxa Holman*, and **Karl G. D. Bailey**. “Social support and fundamentalism as predictors of religious internalization.” Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- David S. Sherman* and **Karl G. D. Bailey**. “Social support and fundamentalism as predictors of religious internalization.” Southwest Michigan Psychology Undergraduate Research Conference. Western Michigan University, Kalamazoo, MI. March 15, 2019.
- David S. Sherman* and **Karl G. D. Bailey**. “Social support and fundamentalism as predictors of religious internalization.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Yasmine Siagian* and **Karl G. D. Bailey**. “Folk epistemology, religious orientation, and culture.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Jessica Stelfox* and **Karl G. D. Bailey**. “Experiences with diversity.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Carlyle Tagalog* and **Karl G. D. Bailey**. “Prosocial effects of perspective-taking through LEGO play.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Nathanael M. Tchamba* and **Karl G. D. Bailey**. “Conscious decision making and illusions while viewing ice hockey.” Southwest Michigan Psychology Undergraduate Research Conference. Western Michigan University, Kalamazoo, MI. March 15, 2019.
- Nathanael M. Tchamba*, **Karl G. D. Bailey**, and **Harvey J. Burnett**. “Postdictive illusions and beliefs about free will.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 12-14, 2018.
- Emily Vhymeister-Cancel* and **Karl G. D. Bailey**. “Personality profiles of long and short term missionaries.” Psi Chi Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Nicolai Williams* (with **Herbert W. Helm Jr.** and **Duane C. McBride**). “Sexual behavior and contraceptive use among college students: Comparing a religious and national sample.” Psi Chi Poster Session, Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Morgan Winkfield* and **Duane C. McBride**. “An examination of the mother-baby relationship.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Kristen Witzel**. “Crowdfunding depression.” Society for the Study of Social Problems. Philadelphia, PA. August 10-12, 2018.

Kristen Witzel. “Medical crowdfunding: Who gets funded and why?” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Biology

Rayford Alva, Brian Y. Y. Wong, Ryan T. Hayes, John Tanner, and Snow Y.L.X. Wan. “Chinese medicinal herbs *Scutellaria barbata* and *Oldenlandia diffusa* modulate the mutagenicity of PhIP (2-ino-1-methyl-6-phenylimidazo[4,5-b]pyridine).” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.

Rayford Alva, Brian Y. Y. Wong, John Tanner, Snow Y.L.X. Wan, Padma P. Tadi Uppala, and Ryan T. Hayes. “Inhibition of mutagenicity of PhIP (2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine) by Chinese medicinal herbs *Scutellaria barbata* and *Oldenlandia diffusa*.” American Association for Cancer Research Annual Meeting. Chicago, IL. April 14-18, 2018.

Gordon J. Atkins, Shandelle M. Henson, and James L. Hayward. “A model for the development of ovulation synchrony in Glaucous-winged Gulls.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.

Gordon J. Atkins, Kierra N. Hill, Shandelle M. Henson, and James L. Hayward. “Does the extent of hybridization in ‘Olympic gulls’ influence nest location or timing of clutch initiation?” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Beatrice Cho and Cassie Kim (with Benjamin A. Navia). “The effect of octopamine and chelerythrine chloride on phonotaxis in unexposed *Acheta domesticus*.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.

James M. Cushing, **Shandelle M. Henson, and James L. Hayward.** “Periodic matrix models for seasonal dynamics of stage structured populations I: A general class of models.” Joint Mathematics Meetings. San Diego, CA. January 10-13, 2018.

Shekinah Dosunmu and Benjamin A. Navia. “The response of the auditory L3 interneuron, in exposed female crickets (*Acheta domesticus*), to conspecific male calls.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Daniel Gonzalez-Socoloske, Ezra Panjaitan, Miriam Marmontel, and Daryl P. Domning. “Florida manatees have less functional teeth and higher levels of mesowear than other manatee populations.” XXXVI Reunion Internacional para el Estudio de los Mamíferos Marinos. Villahermosa, Tabasco, Mexico. May 27-31, 2018.

Daniel Gonzalez-Socoloske. “A brief history of side-scan sonar use for manatee research.” Side-scan sonar for Aquatic Mammal Research Workshop, XII Congress of the Latin American Society of Aquatic Mammal Specialists – RT 18. Lima, Peru. November 4, 2018.

Daniel Gonzalez-Socoloske. “Side-scan sonar hardware and software.” Side-scan sonar for Aquatic Mammal Research Workshop, XII Congress of the Latin American Society of Aquatic Mammal Specialists – RT 18. Lima, Peru. November 4, 2018.

Daniel Gonzalez-Socoloske, Camila Carvalho De Carvalho, and Miriam Marmontel. “Caracterización de las imágenes de sonar de escaneo lateral producidas por el delfín del Amazonas (*Inia geoffrensis*) para reducir la posible confusión durante los estudios

de los manatíes Amazónicos (*Trichechus inunguis*) [Characterization of side scan-sonar images produced by Amazonian River dolphins (*Inia geoffrensis*) to reduce potential confusion during surveys of Amazonian manatees (*Trichechus inunguis*)].” XII Congreso de la Sociedad Latinoamericana de Especialistas en Mamíferos Acuáticos - RT 18. Lima, Peru. November 5-8, 2018.

H. Tom Goodwin. “The friendship metaphor for the relations of science and faith.” Science-Theology Dialogue about Creation. Andrews University, Berrien Springs, MI. February 15-16, 2019.

Rosbelle Hall, Peter J. Lyons, and Daniel Gonzalez-Socoloske. “Assessment of Eastern Massasauga rattlesnakes (*Sistrurus catenatus*) in Berrien County historical sites.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.

Rosbelle Hall, Daniel Gonzalez-Socoloske, and Peter J. Lyons. “Status and assessment of eastern massasauga rattlesnakes (*Sistrurus catenatus*) in Berrien County, Michigan.” Midwest Fish & Wildlife Conference. Cleveland, OH. January 27-30, 2019.

DabEun Harning and Robert Zdor. “Exploring soil texture effects on mustard seed meal suppression of the weed velvetleaf.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

James L. Hayward. “50 years of Adventist science.” Adventist Forum 50th Anniversary Conference. La Sierra University, Riverside, CA. September 16, 2018.

James L. Hayward and Shandelle M. Henson. “Predator-prey dynamics of bald eagles and glaucous-winged gulls.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Shandelle M. Henson and James L. Hayward. “A predator-prey model for bald eagles and seabirds.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Tendai Hunyenyiwa, Denise L. Smith and Desmond H. Murray. “The anticancer investigation of novel hybrid 1,4 dihydropyridine derivatives in the U87-MG glioblastoma cell line.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Juliane Johnson, Daniel Gonzalez-Socoloske, Leon D. Olivera-Gomez, and Benjamin Morales-Vela. “Are Florida manatees thicker than Caribbean manatees? An investigation into body shape between the two subspecies.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Chelsea R. Kent, Shekinah Dosunmu, and Benjamin A. Navia. “Does male exposure affect behavioral and neuronal responses in female crickets?” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.

Chelsea R. Kent, Beatrice Cho, Cassie Kim, Brandon Shin, and Benjamin A. Navia. “Correlating neural and behavioral responses in an insect model and the effect of neuromodulators in cricket phonotaxis.” Society for Neuroscience Annual Meetings. San Diego, CA. November 3-7, 2018.

Chelsea Kent and Benjamin A. Navia. “The effects of male exposure on the phonotaxis of female *Acheta domesticus*.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Cassie Kim and Benjamin A. Navia. “The effect of octopamine on phonotaxis in unexposed female (*Acheta domesticus*).” Michi-

- gan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Priscilla Kyi**, Desmond H. Murray and **Denise L. Smith**. “Novel hybrid benzothiazole screening in U87-MG glioblastoma cell line.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College. Alma, MI. March 1, 2019.
- Priscilla Kyi**, Desmond H. Murray, and **Denise L. Smith**. “Novel hybrid benzothiazole screening in U87-MG glioblastoma cell line.” American Association for Cancer Research Annual Meeting. Atlanta, GA. March 31-April 3, 2019.
- Joshua Li*, *Kristin Ferrer*, Ryan T. Hayes, **John Tanner**, *Yanlingxue Wan*, and **Brian Y. Y. Wong**. “Modulation of mutagenicity of PhIP (2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine) and apoptosis in colon cancer cells (HCT116) by Chinese medicinal herb (Scutellaria barbata).” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Peter J. Lyons**, *Linnea C. Burke*, *Hazel O. Ezeribe*, *Anna Y. Kwon*, and *Donnel Dockery*. “Carboxypeptidase O is a lipid droplet associated enzyme with specificity for both acidic and polar C terminal amino acids.” Gordon Research Conference on Protein Processing, Trafficking, and Secretion. New London, NH. July 15-20, 2018.
- Devon McClain**, **Shandelle M. Henson**, **James A. Hayward**, and **Gordon J. Atkins**. “What do gulls do at night?” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Devon McClain**, **James L. Hayward**, **Shandelle M. Henson**, and **Gordon J. Atkins**. “Social facilitation of nighttime occupancy in gulls.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- R. Christian McDonald** and **Peter J. Lyons**. “Searching for the function of Ecm14, a fungal pseudopeptidase, using a synthetic lethal assay.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College. Alma, MI. March 1, 2019.
- R. Christian McDonald** (with **Peter J. Lyons**). “Searching for the function of Ecm14, a pseudopeptidase, using a synthetic lethal assay.” Experimental Biology/ASBMB Annual Meeting, Orlando, FL. April 7-9, 2019.
- Mindy J. McLarty** (with **Daniel Gonzalez-Socoloske**). “Habitat characterization using side-scan sonar: Cuba case study.” Side-scan sonar for Aquatic Mammal Research Workshop, XII Congress of the Latin American Society of Aquatic Mammal Specialists – RT 18. Lima, Peru. November 4, 2018.
- Mindy J. McLarty** and **Daniel Gonzalez-Socoloske**, *Anmari Alvarez-Aleman*, and *Jorge Angulo-Valdes*. “Caracterización de hábitat de manatí usando sonar de escaneo lateral (Manatee habitat characterization using side-scan sonar).” XII Congreso de la Sociedad Latinoamericana de Especialistas en Mamíferos Acuáticos - RT 18. Lima, Peru. November 5-8, 2018.
- Benjamin A. Navia**. “Faith integration in biology.” Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 29, 2018.
- Benjamin A. Navia**, *Shekinah Dosunmu*, and *Chelsea R. Kent*. “Neural plasticity and behavioral changes as a result of male-exposure in females of an insect model.” Society for Neuroscience Annual Meetings, San Diego, CA. November 3-7, 2018.
- Benjamin A. Navia**. Masterclass. “Neurobiology of learning.” Centro Universitario Adventista de Sao Paulo, EC, Sao Paulo, Brazil. December 11, 2018.
- Benjamin A. Navia** and **David Mbungu**. “Assessing the impact of exposure to a naturalistic paradigm.” Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 28, 2019.
- Taejun Ok* (with **Marlene Murray**). “Bipolar disorder, Inositol and Omega-3-fatty acids.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Ezra Panjaitan*, **Daniel Gonzalez-Socoloske**, and *Miri Marmontel*. “Florida manatees have less functional teeth and higher levels of mesowear than other manatee populations.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Skyler Schell*, *Nathaniel Srikureja*, *Kieun Chung*, *Snow Y. Y. Wan*, *Joshua Li*, **Brian Y. Y. Wong**, and *Ryan T. Hayes*. “Improving the discovery of mutagenic arginine-based heterocyclic amines.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, MI. March 1, 2019.
- Brandon Shin* and **Benjamin A. Navia**. “Correlating neural and behavioral responses in (*Acheta domestica*).” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Brandon Shin* and **Benjamin A. Navia**. “Does the response of the L3 prothoracic auditory neuron correlate with the phonotactic behavior of individual female (*Acheta domestica*)?” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Padma P. Tadi Uppala*, *Sozina Katuli*, *Alfredo Mejía*, *Sherine Brown-Fraser*, **Brian Y. Y. Wong**, *Ryan T. Hayes*, *Maheswari Senthil*, and *Carlos Garberoglio*. “Role of obesity and dietary chemopreventive nutrient intake and risk for breast cancer among ethnically diverse women.” American Association for Cancer Research Annual Meeting. Chicago, IL. April 14-18, 2018.
- Yanlingxue Wan*, *Ryan T. Hayes*, *Joshua Li*, *Kristin Ferrer*, *Padma T. Uppala*, and **Brian Yuen Yau Wong**. “Inhibition of mutagenicity of PhIP (2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine) by aqueous (total) extract and organic extract (Essential Oil-Pulegone) of *Calamintha nepeta*.” American Association for Cancer Research Annual Meeting. Atlanta, GA. March 29-April 3, 2019.
- Adam Weir* and **Daniel Gonzalez-Socoloske**. “Comparative methodology of a presence-absence survey of the small mammal population in a large riparian forest.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Adam Weir* and **Daniel Gonzalez-Socoloske**. “Relationship of chewing rate and body mass in West Indian manatees.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Nina Woodard*, **Daniel Gonzalez-Socoloske**, *Miriam Marmontel*, *Daryl Domning*, and *Camila Carvalho de Carvalho*. “Similar mouth different result: Variation in manatee tooth wear and number between populations.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Robert Zdor**, **Shandelle M. Henson**, **Marlene Murray**, **Benjamin A. Navia**, *Rahel Wells*, and *H. Tom Goodwin*. “Fostering student faith development and integration across the curriculum: The Andrews University Biology Department experience.” Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 29, 2018.

Chemistry & Biochemistry

- Lisa Ahlberg.** “Organic chemistry core competencies: Helping students make connections.” Biennial Conference on Chemical Education. Notre Dame, IN. July 29-Aug 2, 2018.
- Lisa Ahlberg.** “Culinary chemistry and other concepts for the science classroom.” North American Division Teachers’ Convention. Chicago, IL. August 6-9, 2018.
- Rayford Alva, Brian Y. Y. Wong, Ryan T. Hayes, John Tanner, and Snow Y.L.X. Wan.** “Chinese medicinal herbs *Scutellaria barbata* and *Oldenlandia diffusa* modulate the mutagenicity of PhIP (2-ino-1-methyl-6-phenylimidazo[4,5-b]pyridine).” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Rayford Alva, Brian Y. Y. Wong, John Tanner, Snow Y.L.X. Wan, Padma T. Uppala, and Ryan T. Hayes.** “Inhibition of mutagenicity of PhIP (2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine) by Chinese medicinal herbs *Scutellaria barbata* and *Oldenlandia diffusa*.” American Association for Cancer Research Annual Meeting. Chicago, IL. April 14-18, 2018.
- Alexandria Edge and Lisa Ahlberg.** “HPLC analysis of amino acids in glaucous-winged gull eggshells.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Carolyn Goyne (with Lisa Ahlberg).** “Modified isoxazoline rings for the treatment of malaria.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Jesse Gray and Ryan T. Hayes.** “Synthesis of PAMAM dendrimers with perylenediimide cores.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Ryan T. Hayes, Ansel Nam and Anthony Miller.** “Intrinsic Fluorescence quantum yield of PAMAM dendrimers.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Ryan T. Hayes.** “The Wind’s Weight - Creation Chemistry,” “Don’t Touch that Dial!” “Enlightened and Trapped,” “Living in the Heat,” “Well, Well, Well.” Washington Conference Camp Meeting, Mount Vernon, WA. June 15-23, 2018.
- Ryan T. Hayes and David W. Randall.** “Low DFW rate General Chemistry. It is possible!” Biennial Conference on Chemical Education. Notre Dame, IN. July 29-Aug 2, 2018.
- Ryan T. Hayes and Nathan Greene.** “Days of Creation.” North American Division Teachers’ Convention. Chicago, IL. August 6-9, 2018.
- Ryan T. Hayes and David W. Randall.** “Getting ready for college chemistry.” North American Division Teachers’ Convention. Chicago, IL. August 6-9, 2018.
- Ryan T. Hayes.** “The chemistry of creation.” Creation Sabbath. Village SDA Church, Berrien Springs, MI. October 26-27, 2018.
- Ryan T. Hayes.** “Understanding the nature of natural chemical reactions.” Science-Theology Dialogue about Creation. Andrews University, Berrien Springs, MI. February 15-16, 2019.
- Tendai Hunyenyiwa, Denise L. Smith, and Desmond H. Murray.** “The anticancer investigation of novel hybrid 1,4 dihydropyridine derivatives in the U87-MG glioblastoma cell line.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Priscilla Kyi, Desmond H. Murray and Denise L. Smith.** “Novel hybrid benzothiazole screening in U87-MG glioblastoma cell line.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Priscilla Kyi, Desmond H. Murray, and Denise L. Smith.** “Novel hybrid benzothiazole screening in U87-MG glioblastoma cell line.” American Association for Cancer Research Annual Meeting. Atlanta, GA. March 31-April 3, 2019.
- Tammy Leong and Getahun Merga.** “SERS based detection of cocaine HCl using portable Raman Spectrometer.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Joshua Li, Kristin Ferrer, Ryan T. Hayes, John Tanner, Yanlingxue Wan, and Brian Y. Y. Wong.** “Modulation of mutagenicity of PhIP (2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine) and apoptosis in colon cancer cells (HCT116) by Chinese medicinal herb (*Scutellaria barbata*).” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Getahun Merga.** “SERS based and paper analytical devices (PADs) method in detecting some illicit drugs.” *Nanoscience, Nanotechnology, and Beyond*, American Chemical Society National Meeting & Exposition, Boston, MA. August 19-23, 2018.
- Gergana Milkova and Lisa Ahlberg.** “Analysis of dl-amino acids ratios in eggshells using reverse phase-high pressure liquid chromatography.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Anthony Miller, D. David Nowack, and Ryan T. Hayes.** “Aggregation induced emission in PAMAM dendrimers.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- D. David Nowack and Monica Nudd.** “A simple, safe LED conductivity probe for elementary and high school science laboratory.” North American Division Teachers’ Convention. Chicago, IL. August 6-9, 2018.
- D. David Nowack.** “Peptide bonds and water.” Creation Sabbath. Village SDA Church, Berrien Springs, MI. October 26-27, 2018.
- Josselyn Roosenberg and Lisa Ahlberg.** “Design of a novel isoxazoline as a potential PAM-agonist.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Skyler Schell, Nathaniel Srikureja, Kieun Chung, Snow Y. Y. Wan, Joshua Li, Brian Y. Y. Wong, and Ryan T. Hayes.** “Improving the discovery of mutagenic arginine-based heterocyclic amines.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, MI. March 1, 2019.
- Padma P. Tadi Uppala, Sozina Katuli, Alfredo Mejía, Sherine Brown-Fraser, Brian Yuen Yau Wong, Ryan T. Hayes, Maheswari Senthil, and Carlos Garberoglio.** “Role of obesity and dietary chemopreventive nutrient intake and risk for breast cancer among ethnically diverse women.” American Association for Cancer Research Annual Meeting. Chicago, IL. April 14-18, 2018.
- Yanlingxue Wan, Ryan T. Hayes, Joshua Li, Kristin Ferrer, Padma T. Uppala, and Brian Yuen Yau Wong.** “Inhibition of mutagenicity of 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) by aqueous extract (crude) and organic extract (pulegone) of *Calamintha nepeta*.” American Association for Cancer Research Annual Meeting. Atlanta, GA. March 29-April 3, 2019.

Engineering

- Jeremy Barrett, Carlos Germosen, Daniel Marsh, Jonathan Swerdlow, Rodney Summerscales, Elmer Rivera, and Hyun Kwon.* “Mobile phone based ECL sensor for dopamine detection.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Wayne Buckhanan**, Anneris Coria-Navia, and Tammy Shilling. “The flipped classroom approach in the higher education classroom.” Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 29, 2018.
- Wayne Buckhanan.** “Applying experiential learning into the classroom.” North American Division Teachers’ Convention. Chicago, IL. August 6-9, 2018.
- Lei Cheng, Yu Lin, Xueyi Wang, **Jay R. Johnson**, Joseph D Perez, Feng Shi and Zhifang Guo. “Global hybrid simulation of Alfvénic waves associated with magnetotail reconnection and fast flows.” American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- Peter A. Damiano, C. C. Chaston, A. J. Hull, and **Jay R. Johnson.** “Electron trapping in kinetic scale field line resonances.” Chapman Conference on Particle Dynamics in the Earth’s Radiation Belts. Cascais, Portugal. March 4-9, 2018.
- Peter A. Damiano, **Jay R. Johnson**, C. Chaston, and A. Hall. “Electron dynamics in kinetic scale field line resonances: A comparison of simulations and observations.” International Congress on Plasma Physics. Vancouver, BC. June 4-8, 2018.
- Peter A. Damiano, C. C. Chaston, A. J. Hull, and **Jay R. Johnson.** “Electron dynamics in kinetic scale field line resonances in the inner magnetosphere.” Geospace Environment Modeling Workshop. Santa Fe, NM. June 17-22, 2018.
- Peter A. Damiano, Peter A. Delamere, Blake Hughes Stauffer, and **Jay R. Johnson.** “Dispersive scale Alfvén waves and broadband electron energization in the Jovian magnetosphere. American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- Peter A. Delamere, Brandon L. Burkholder, Bishwa Raj Neupane, **Jay R. Johnson**, Peter A. Damiano, Xuanye Ma, Katarina Nykyri, and Chung-Sang Ng. “Transport properties as a function of plasma beta in the giant planet magnetospheres.” American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- Samuel Dronen, Daniel Bronakowski, Greg Almeter, and Boon-Chai Ng.* “Wrist flexion/extension device.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Jay R. Johnson**, Simon Wing, and Peter Delamere. “Shear flow driven aurora in planetary magnetospheres.” Fundamental Physical Processes in Solar-Terrestrial Research and Their Relevance to Planetary Physics. Kona, Hawaii. January 7-13, 2018.
- Jay R. Johnson**, Simon Wing, and Peter Delamere. “Shear driven aurora.” International Congress on Plasma Physics. Vancouver, BC. June 4-8, 2018.
- Jay R. Johnson** and Simon Wing. “Detecting causality in space systems.” Geospace Environment Modeling Workshop. Santa Fe, NM. June 17-22, 2018.
- Jay R. Johnson** and Simon Wing. “Entropy and information theory approach to system science.” Exploring system-science techniques for the Earth’s magnetosphere-Ionosphere-thermosphere. Fuller Lodge, Los Alamos, NM. July 24-26, 2018.
- Jay R. Johnson**, Simon Wing, *Jacob Willard*, and *Jesse M. Snelling.* “An information theory approach to flare dynamics.” Cool Stars 20. Boston, MA. July 29-August 3, 2018.
- Jay R. Johnson**, Simon Wing, Mausumi Dikpati, *Jesse M. Snelling, Jacob Willard*, and Nicholas Navarro. “Information theoretic approach to discovering causal dependence in solar cycle dynamics.” American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- Eun-Hwa Kim, **Jay R. Johnson**, and Ernest Valeo. “2D full-wave simulations of EMIC waves in the magnetosphere.” Fundamental Physical Processes in Solar-Terrestrial Research and Their Relevance to Planetary Physics. Kona, Hawaii. January 7-13, 2018.
- Eun-Hwa Kim, **Jay R. Johnson**, Katarina Nykyri, and Peter A Delamere. “Resonant mode conversion of Alfvén waves in the low-latitude boundary layer structured by Kelvin-Helmholtz instability.” American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- Hyun Kwon**, Padma P. Tadi-Uppala, Elmer Rivera, and Rodney Summerscales. “Development of a cell phone-based electrochemiluminescence biosensor to detect breast cancer biomarkers.” American Association for Cancer Research Annual Meeting. Atlanta, GA. March 29-April 3, 2019.
- Kyung-Dong Lee, Eun-Hwa Kim, **Jay R. Johnson**, Hyomin Kim, Mark J. Engebretson, and Khan-Hyuk Kim. “How does EMIC wave polarization depend on magnetospheric plasma conditions?” American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- Yu Lin, Xueyi Wang, Joe Perez, Lei Cheng, **Jay R. Johnson**, and Simon Wing. “Alfvén waves and plasma transport associated with magnetotail fast flows.” Fundamental Physical Processes in Solar-Terrestrial Research and Their Relevance to Planetary Physics. Kona, Hawaii. January 7-13, 2018.
- Yu Lin, Lei Cheng, Xueyi Wang, J. D. Perez, **Jay R. Johnson**, Vassilis Angelopoulos, Xu Zhang, and Simon Wing. “Global hybrid simulation and observation of kinetic Alfvén waves in the magnetotail and coupling to the ionosphere.” Geospace Environment Modeling Workshop. Santa Fe, NM. June 17-22, 2018.
- Daniel Marsh* and **Hyun Kwon.** “Mobile technology based ECL instrumentation.” American Institute for Chemical Engineers Annual Meeting, Pittsburgh, PA. October 28-November 2, 2018.
- Katarina Nykyri (moderator), Bob McPherron, Vassilis Angelopoulos, Toshi Nishimura, **Jay R. Johnson**, and Heli Hietala. “Solar wind magnetosphere interactions.” Geospace Environment Modeling Workshop. Santa Fe, NM. June 17-22, 2018.
- Kimberly S. Pichot, Liz Muhlenbeck, William Wolfer, Jay Brand, and **Wayne Buckhanan.** “Bringing creativity back into the classroom: Helping students reconnect with their creativity.” Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 29, 2018.
- Kimberly S. Pichot, Liz Muhlenbeck, **Wayne Buckhanan**, Jay Brand, and William Wolfer. “Sharing the sandbox – The challenges and rewards of team teaching.” North American Division Teacher’s Convention. Chicago, IL. August 6-9, 2018.
- Andrew Tasman Powis, Michael Greklek, Kailas Amin, *Jacob Willard*, Peter Porazik, Igor Kaganovich, **Jay R. Johnson**, and Ennio R Sanchez. “Dynamics and stability of relativistic electron beams for mapping the magnetosphere.” American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.

- Jesse M. Snelling, **Jay R. Johnson**, Jacob Willard, and Simon Wing. "A statistical analysis of X-ray bursts using mutual information." American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- Christa Spieth, Will Allen, Dominique Tan-Ng, and **Boon-Chai Ng**. "Analysis of anodized aluminum for surface defects after thermal cycles." Asia-Pacific Conference on Engineering and Natural Sciences. Bangkok, Thailand. March 19-21, 2019.
- Jonathan Swerdlow, Rodney Summerscales, and **Hyun Kwon**. "Developing mobile application for electrochemiluminescent biosensor control and analysis." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Sarah K. Vines, Brian J. Anderson, Robert Colby Allen, Richard Eugene Denton, Mark J. Engebretson, **Jay R. Johnson**, Robert J. Strangeway, Robert Ergun, Christopher T. Russell, Stephen A. Fuselier, Barbara L. Giles, Roy B. Torbert, and James L. Burch. "Determining EMIC wave vector properties through multi-point measurements: The wave curl analysis." American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- Jacob Willard, **Jay R. Johnson**, Andrew Tasman Powis, Ennio R Sanchez, and Igor Kaganovich. "Techniques for reconstructing field line geometry based on ionospheric observations of relativistic electron beams launched from satellites." American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- Simon Wing and **Jay R. Johnson**. "Untangling the drivers of nonlinear systems with information theory." Fundamental Physical Processes in Solar-Terrestrial Research and Their Relevance to Planetary Physics. Kona, Hawaii. January 7-13, 2018.
- Simon Wing and **Jay R. Johnson**. "Untangling the drivers of nonlinear systems with information theory." High Altitude Observatory (HAO) Colloquium. Boulder, CO. January 24, 2018.
- Simon Wing and **Jay R. Johnson**. "Untangling the drivers of nonlinear systems with information theory." NASA Goddard Space Flight Center (GSFC) HelioAnalytics Seminar. Greenbelt, MD. February 13, 2018.
- Simon Wing and **Jay R. Johnson**. "Untangling the drivers of nonlinear systems with information theory." Isradynamics 2018: Dynamical Processes in Space Plasmas. Ein Bokek, Israel. April 22-29, 2018.
- Simon Wing and **Jay R. Johnson**. "Shear flow driven currents at the magnetopause boundary layer." Geospace Environment Modeling Workshop. Santa Fe, NM. June 17-22, 2018.
- Simon Wing and **Jay R. Johnson**. "Untangling the drivers of nonlinear systems with information theory." Exploring System-Science Techniques for the Earth's Magnetosphere-Ionosphere-Thermosphere. Fuller Lodge, Los Alamos, NM. July 24-26, 2018.
- Simon Wing and **Jay R. Johnson**. "Information theoretic approach to discovering causalities in solar cycle." Cool Stars 20. Boston, MA. July 29-August 3, 2018.
- Simon Wing, Joseph Borovsky, and **Jay R. Johnson**. "Solar wind turbulence effects on the magnetosphere: Information theoretic approach." American Geophysical Union Fall Meeting. Washington, D.C. December 10-14, 2018.
- English**
- Vanessa I. Corredera**. "‘I told you not to go in...’: Horror and the framing of blackness in *Get Out* and *Othello*." Shakespeare Association of America. Los Angeles, CA. March 28-31, 2018.
- Vanessa I. Corredera**. "By beholding we become changed: Diversity and representation in worship." Music & Worship Conference. Andrews University, Berrien Springs, MI. April 5, 2018.
- Alexi Decker (with **Vanessa I. Corredera**). "‘The beauty! The beauty!’: Conquering the female body in *Heart of Darkness* and *The Brief Wondrous Life of Oscar Wao*." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Kristin N. Denslow and **Vanessa I. Corredera**. "Teaching media literacy and diversity through drama." North American Division Teachers' Convention. Chicago, IL. August 6-9, 2018.
- David Forner (with **L. Monique Pittman**). "Constructing and ‘rhetorizing’ national identity in *Henry V* and *Oroonoko*; or, *The Royal Slave*." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Hannah Gallant (with **Vanessa I. Corredera**). "Covenant and female sexuality in Howard Jacobson's *Shylock is My Name* and Elizabeth Nunez's *Prospero's Daughter*." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Eun-Young Julia Kim**, Janet Blackwood, and Christine Rorabeck. "English language learners." Panel, Lake Union English Teachers' Professional Learning Community. January 31, 2018.
- Eun-Young Julia Kim**. "A Cross-cultural discourse analysis of religious texts on women's ordination." International Association for Intercultural Communication Studies Conference. DePaul University, Chicago, IL. July 5-8, 2018.
- Eun-Young Julia Kim**. "The state of academic publishing in Korea: Language, perceptions, and the use of professional editors." International conference of PRISEAL (Publishing and Researching Internationally for Scholars of English as an Additional Language). University of Iceland, Reykjavik. September 14-16, 2018.
- Eun-Young Julia Kim**. "Born again with Trump: The portrayal of evangelicals in the media." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Ruth Mwashinga** (with **Eun-Young Julia Kim**). "Unfair presuppositions in the President John P. Magufuli's speech in Bagamoyo: a critical discourse analysis." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- L. Monique Pittman**. "History's now: Immediacy in *Richard III*, *NOW*, and *House of Cards*." Shakespeare Association of America Annual Meetings. Los Angeles, CA. March 28-April 1, 2018.
- L. Monique Pittman**. "Hollow refuge: The BBC's *The Wars of the Roses* and *This Fortress Built by Nature*." Shakespeare Association of America Annual Meetings. Washington, D.C. April 17-20, 2019.
- Ingrid Radulescu (with **L. Monique Pittman**). "The Romanian bard: Translating Shakespeare for a post-Communist nation." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Christian Stuart**. "Advanced college ESL writing textbooks vs. first-year writing textbooks at three Michigan institutions: What qualitative content analysis (QCA) reveals." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

History & Political Science

Nestor Caceres (with **Stephanie Carpenter**). “Por la raza: The struggle for identity and education reform in the Chicano Movement.” Phi Alpha Theta History Honor Society Biennial Convention. New Orleans, LA. January 5, 2018.

Jon Ruhumuliza (with **Stephanie Carpenter**). “Preference or mission: Seventh-day Adventism and the pursuit of racial balance in the early 1900s.” Phi Alpha Theta History Honor Society Biennial Convention. New Orleans, LA. January 5, 2018.

International Languages & Global Studies

Sonia Badenas. “Using short stories develops writing skills in French.” Central States Conference on the Teaching of Foreign Languages. Milwaukee, WI. March 8-10, 2018.

Sonia Badenas. “Le Petit Prince de Mark Osborne.” Alpha Mu Gamma XXXVI National Convention. College of Mount Saint Vincent, Riverdale, NY. September 27-29, 2018.

Sonia Badenas. “S’initier à la littérature par des films?” Michigan World Language Association. Lansing, MI. October 18-19, 2018.

Sonia Badenas. “L’essentiel est invisible aux yeux: une question de point de vue dans *Le Petit Prince* de Mark Osborne (The essential is invisible to the eye: a matter of viewpoint in Mark Osborne’s *Little Prince*).” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Sonia Badenas. “Les contes au cinéma et en classe de français.” Annual Southwest Michigan French and Francophone Studies Roundtable. Calvin College, Grand Rapids, MI. March 15, 2019.

Adair Kibble (with **Sonia Badenas**). “Gender roles and hierarchy in the *Beauty and the Beast* as adapted by Jean Cocteau and Christophe Gans.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Pedro Navia. “Conflicto social y domestico: Las voces de las empleadas domésticas de Mexico en Elena Poniatowska” (“Social and domestic conflict: Voices of housemaids of Mexico in Elena Poniatowska”). Southwest Council of Latin American Studies Annual Conference. Texas State University, San Marcos, TX. March 1-3, 2018.

Pedro Navia. “Voces de mujeres marginadas en los Testimonios de Elena Poniatowska” (“Voices of left-out women in the Testimonies of Elena Poniatowska”). Cincinnati Conference on Romance Languages and Literatures. University of Cincinnati, Cincinnati, OH. April 6-7, 2018.

Pedro Navia. “Testimonios: Voces Femeninas en Elena Poniatowska” (“Testimonies: Female Voices in Elena Poniatowska”). VI Conference on Second-class Citizens in the World. Buenos Aires, Argentina. July 19-22, 2018.

Pedro Navia. “Voces Marginadas en el Testimonio de Elena Poniatowska” (“Excluded Voices in Elena Poniatowska’s Testimonies”). International Conference on Hispanic Literatures. Lima, Peru. March 6-9, 2019.

Pedro Navia. “Voces: Oralidad y Diálogo en los testimonios de Elena Poniatowska” (“Voices: Oral Testimonies and Dialogues in Elena Poniatowska”). Southwest Council of Latin American Studies Annual Conference. An Miguel de Allende, Mexico. March 21-23, 2019.

Pedro Navia. “Voces Marginadas vs Voces Oficiales: Oralidad y Diálogos en los testimonios de Elena Poniatowska” (“Excluded Voices vs Official Voices: Oral Testimonies and Dialogues in

Elena Poniatowska”). Cincinnati Conference on Romance & Arabic Languages and Literatures. Cincinnati, Ohio. April 5-6, 2019

James White Library

Margaret Adeogun. “Creating communities of learning: Library best practices.” Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 28, 2019.

Silas M. Oliveira. “Developing academic library spaces and services to enhance millennials’ learning.” International Association of University Libraries Annual Conference. Oslo, Norway. June 18-22, 2018.

Terry Robertson and **Lawrence W. Onsager**. “Going viral (virtual institutional repositories and ASDAL libraries): An added value for our stakeholders.” Association of Seventh-day Adventist Librarians Annual Conference. Burman University, Lacombe, Alberta, Canada. June 18-21, 2018.

Terry Robertson. “Worldview and media: A biblical foundation for information consumers.” Transforming Worldview(s): Biblical Faithfulness in a Pluralistic Age. Andrews University, Berrien Springs, MI. October 18-20, 2018.

Mathematics

Gordon J. Atkins, James L. Hayward, and **Shandelle M. Henson**. “A model for the development of ovulation synchrony in Glaucous-winged Gulls.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.

Gordon J. Atkins, Kierra N. Hill, **Shandelle M. Henson**, and James L. Hayward. “Does the extent of hybridization in ‘Olympic Gulls’ influence nest location or timing of clutch initiation?” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Anthony Bosman. “Milnor invariants vanish for shake slice links.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.

Anthony Bosman. “Video project for a discrete math course.” Mathematical Association of American MathFest. Denver, CO. August 1-4, 2018.

Anthony Bosman. “Fun and games: Techniques for active learning math.” North American Division Teachers’ Convention. Chicago, IL. August 6-9, 2018.

Anthony Bosman. “The miracle of mathematics.” Creation Sabbath. Village SDA Church, Berrien Springs, MI. October 26-27, 2018.

Anthony Bosman. “Link shake concordance and link homotopy.” Joint Mathematics Meetings. Baltimore, MD. January 16-19, 2019.

Anthony Bosman. “The miracle of mathematics.” Science-Theology Dialogue about Creation. Andrews University, Berrien Springs, MI. February 15-16, 2019.

Anthony Bosman. “Shake concordance and homotopy of links.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Anthony Bosman. “Every student a YouTuber: Video projects.” Andrews University Teaching and Learning Conference, Berrien Spring, MI. March 28, 2019.

James M. Cushing, **Shandelle M. Henson**, and James L. Hayward. “Periodic matrix models for seasonal dynamics of stage structured populations I: A general class of models.” Joint Mathematics Meetings. San Diego, CA. January 10-13, 2018.

RESEARCH & CREATIVE ACTIVITY

PRESENTATIONS

- James M. Cushing and **Shandelle M. Henson**. “Evolutionary adaptation of cannibalism in fluctuating environments.” AMS Special Session on Natural Resource Modeling, Joint Mathematics Meetings. Baltimore, MD. January 16, 2019.
- Lucinda Ford* and **Joon Hyuk Kang**. “Positive solutions to a general predator-prey system with combined self-limitation and competition.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Christiane Gallos, Dorothea Gallos, and Shandelle M. Henson*. “Bifurcations in an animal behavior model for egg-laying synchrony in a seabird colony.” Joint Mathematics Meetings. San Diego, CA. January 10-13, 2018.
- Christiane Gallos, Dorothea Gallos, Whitney Watson, and Shandelle M. Henson*. “Bifurcations in a discrete-time model for synchronous egg laying in a seabird colony.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Devin G. Garcia and Yun Myung Oh*. “A curve satisfying $\tau/\kappa = 1/s$ with constant $\kappa > 0$.” Joint Mathematics Meeting. Baltimore, MD. January 16-19, 2019.
- Devin G. Garcia and Yun Myung Oh*. “A curve satisfying $\tau/\kappa = 1/s$ with constant $\kappa > 0$.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- James L. Hayward and **Shandelle M. Henson**. “Predator-prey dynamics of bald eagles and glaucous-winged gulls.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Shandelle M. Henson**, James M. Cushing, and James L. Hayward. “Periodic matrix models for seasonal dynamics of stage structured populations II: Application to a seabird colony.” Joint Mathematics Meetings. San Diego, CA. January 10-13, 2018.
- Shandelle M. Henson**. “Climate change and tipping points for seabird colonies in the Pacific Northwest.” National Institute for Mathematical and Biological Synthesis. University of Tennessee, Knoxville, TN. September 4, 2018.
- Shandelle M. Henson** and James L. Hayward. “A predator-prey model for bald eagles and seabirds.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Joon Hyuk Kang**. “Perturbation of a nonlinear elliptic mathematical model.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Joon Hyuk Kang**. “A general elliptic nonlinear system of two functions with application.” Kangwon-Kyungki Mathematics conference. Daejin University, Pocheon, South Korea. June 15, 2018.
- Joon Hyuk Kang**. “Perturbation of nonlinear elliptic biological interacting model.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Benjamin MacDonald, *Mykhaylo M. Malakhov*, and **Shandelle M. Henson**. “A model of population dynamics and behavior for Pacific Northwest seabirds.” Joint Mathematics Meetings. San Diego, CA. January 10-13, 2018.
- Mykhaylo M. Malakhov*, Benjamin MacDonald, **Shandelle M. Henson**, and James M. Cushing. “Backward bifurcations in a periodic matrix model of seabird population dynamics.” Joint Mathematics Meetings. San Diego, CA. January 10-13, 2018.
- Mykhaylo M. Malakhov*, Benjamin MacDonald, **Shandelle M. Henson**, and James M. Cushing. “Cannibalism and synchrony in a periodic matrix seabird population model.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Mykhaylo M. Malakhov*, Junyan Duan, Jordan Pellett, Ishan Phadke, and Jullie C. Blackwood. “Modeling the impact of bat dispersal on white-nose syndrome control strategies.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Devon McClain, Shandelle M. Henson**, James L. Hayward, and Gordon J. Atkins. “What do gulls do at night?” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Devon McClain**, James L. Hayward, **Shandelle M. Henson**, and Gordon J. Atkins. “Social facilitation of nighttime occupancy in gulls.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Robert C. Moore**. “Geometry is more than proof: Engaging students in visual, verbal, drawing, logical, and applied skills.” North American Division Teachers’ Convention. Chicago, IL. August 6-9, 2018.
- Yosia I. Nurhan, Jonathan S. Watson, and Shandelle M. Henson*. “Model for gull egg laying behavior: Tracking the egg order.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Yun Myung Oh**. “Involute and evolute of rectifying curves in R^3 .” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Yun Myung Oh**. “Involute and evolute of rectifying curves in 3D space.” Kangwon Kyungki Mathematical Society. Dajin University, Pocheon, South Korea. June 15, 2018.
- Yun Myung Oh**. “Rectifying submanifolds in pseudo-Euclidean spaces and rectifying curves in Minkowski space E^4_1 .” Fall Central Sectional Meeting, American Mathematical Society. University of Michigan, Ann Arbor, MI. October 20-21, 2018
- Yun Myung Oh**. “Rectifying submanifolds of Riemannian manifolds.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Jeongjin Park and Yun Myung Oh*. “An involute and evolute of a rectifying curve.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Marian Prince**. “After-school STEM: Calculator-controlled robots.” 2018 Math In Action. Grand Valley State University, Allendale, MI. February 24, 2018.
- Marian Prince**. “STEM competition: Two grade 4 classes and a unit on energy.” 2018 NSTA Conference. Atlanta, GA. March 15-17, 2018.
- Marian Prince**. “STEM: Total engagement for high school students.” Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 29, 2018.
- Marian Prince**. “Is this system of equations or crashing robots?” “Teaching $D=RxT$ in a whole new way,” “Principles to action: Productive struggle in learning mathematics.” Michigan Council of Teachers of Mathematics Annual Conference. Grand Valley State University, Grand Rapids, MI. July 25, 2018.

Marian Prince. “Using TI-Rover to teach $D=R \times T$,” “Solving systems of equations with TI-Rover.” Math in Action Conference. Grand Valley State University, Allendale, MI. February 23, 2019.

Marian Prince. “Integrating STEM with science,” “Helping students with $D=R \times T$.” Michigan Science Teachers Association Annual Conference. Grand Rapids, MI. March 2, 2019.

Marian Prince. “Animation on the TI-84+CE graphing calculator,” “Summer camps immerse students in STEM.” Teachers Teaching with Technology International Conference. Baltimore, MD. March 8-10, 2019.

Marian Prince. “STEM for the younger crowd.” National Science Teachers Association National Conference. St. Louis, MO. April 10-14, 2019.

Brandi Seawood, Adriana Luna, and Shandelle M. Henson. “Egg cannibalism in gulls: If the first-laid egg in a nest has been cannibalized, is the second-laid egg likely to be cannibalized?” Zoology Section, Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Benjamin P. Spiro, Sarah Hanusch, David A. Miller, **Robert C. Moore**, and Tim Fukawa-Connelly. “Categorizing professors’ feedback on student proofs in abstract algebra and real analysis.” Special Interest Group of the Mathematical Association of America on Research in Undergraduate Mathematics Education Annual Conference. Oklahoma City, OK. February 28-March 2, 2019.

Qizeng Sun and Joon Hyuk Kang. “A predator biological model with combined birth rates and self-limitation.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Lynelle Weldon. “Adapting adaptive mathematics.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.

Lynelle Weldon. “If I could only teach one concept,” “If I could only teach one skill.” Math Teachers Professional Learning Community. Lake Union Conference, Berrien Springs, MI. October 30, 2018.

David Young and **Marian Prince.** “TI-84 CE graphing calculator, TI-Nspire CX technology, TI-Nspire CX Navigator System, TI-Innovator Hub with TI LaunchPad Board, TI-Innovator Rover.” 2018 T³ International Conference. San Antonio, TX. March 2-4, 2018.

Music

Joshua Goines (with Stephen Zork). “O My Luve’s Like a Red, Red Rose.” Masterclass with Dr. Lynda Hassler (Capital University). Michigan Conference, American Choral Director’s Association. Western Michigan University, Kalamazoo, MI. October 27, 2018.

Byron Graves. “Designing a school-wide strategy for the arts that works!” North American Division Teachers’ Convention. Chicago, IL. August 6-9, 2018.

Byron Graves and Giovanni Santos. “Rehearsal lab: Instrumental conducting.” North American Division Teachers’ Convention. Chicago, IL. August 6-9, 2018.

Timothy Nixon, **Adriana Perera**, Greg Sheer, David Williams, Nicholas Zork, and Steve Yeagley (moderator). Question and Answer Panel. Music & Worship Conference. Andrews University, Berrien Springs, MI. April 4-6, 2019.

Adriana Perera. “More than music. Worship.” Centro Culturale di Science Umane e Religiose. Florence, Italy. January 13, 2018.

Adriana Perera. “Contemporary Adventist Music,” “Ellen White and music,” and “Music and Revelation.” Workshop, Greater New York Leadership Evangelism Congress. Rye Brook, NY. January 19-21, 2018.

Adriana Perera. “Contemporary Levites,” “Adventist Music Today,” “Ellen White and Music,” and “Messages in Music.” RE-START: Youth Ministry Convention. Florence, Italy. January 29-February 2, 2018.

Adriana Perera. “Progressive truth, progressive art.” Music and Worship Conference. Andrews University, Berrien Springs, MI. April 2-5, 2018.

Adriana Perera. “Los instrumentos musicales a la luz de la Biblia,” and “Jesús, el centro de la adoración.” Music and Worship Conference. Santiago, Chile. April 13-15, 2018.

Adriana Perera. “Martín Lutero: Reforma teológica y litúrgica,” and “Elena de White: Contexto histórico y principios a aplicar en la filosofía adventista de la música.” Conferencia de Música y Adoración. Santo Domingo, Dominican Republic. June 15-17 2018.

Adriana Perera. “Instruments of God: A biblical approach,” “Changes in music and worship through history,” and “Christian music as the expression of Christian theology: Martin Luther and the liturgical Reformation revisited.” Worship Summit. Köln, Germany. June 22-23, 2018.

Adriana Perera. “Genres of music in worship” and “Teaching theology through song.” Response: College View Church Worship Summit. Union College, Lincoln, NE. October 24-27, 2018.

Adriana Perera. “Worshipping Together,” and “Cultivating Community through Worship.” Pulse Meet: Inter European Division Youth Leadership Training. Schönblick, Germany. February 6-10, 2019.

Adriana Perera. “Adoração no Apocalipse: Identidade, distintividade e música Adventista.” Simpósio do Música e Adoração. Instituto Petropolitano Adventista de Ensino. Rio de Janeiro, Brazil. March 23, 2019.

Adriana Perera. “Liderança efetiva da música na Igreja.” Treinamento para os líderes musicais. Moema, Sao Paulo, Brazil. March 24, 2019.

Adriana Perera. “Música e adoração no contexto do antigo testamento.” Theological Seminary of Universidad Adventista de Sao Paulo, Brazil. March 27, 2019.

Adriana Perera. “Instrumentos musicais à luz das escrituras,” “Música e liturgia à luz da Bíblia,” and “Ellen White e a Música Adventista: Princípios e antecedentes.” Simposio de Música e Adoração. Universidad Adventista de Sao Paulo, Brazil. March 29-30, 2019.

Adriana Perera. “Levitas contemporâneos: Liderança no culto de adoração.” Treinamento para líderes da música. Igreja Adventista Central de Curitiba, Curitiba, Brazil. March 31, 2019.

Adriana Perera. “Primero lo primero: La expresión de adoración congregacional como consecuencia de la conexión espiritual,” “¿Necesitas traducción? El rol del Espíritu Santo en la adoración,” “Adorando juntos: La música como factor de unidad intergeneracional e intercultural,” “Cambia tu mundo desde dentro,” and “Arte progresivo, verdad progresiva: Una reflexión sobre la intersección del arte y la teología adventista.” Festival de Música de la Juventud Adventista Española. Centro Educativo Adventista de Sagunto, Valencia, Spain. April 18-21, 2019.

RESEARCH & CREATIVE ACTIVITY

PRESENTATIONS

- Charles Reid** and **Adriana Perera**. Two seminar sessions and music. Worship Conference. Centro Culturale di Science Umane e Religiose. Florence, Italy. January 13, 2018.
- Charles Reid**. Masterclasses with undergraduate voice students and Die Meistersinger (male chorus). Southern Adventist University, Collegedale, TN. October 25, 2018.
- Charles Reid**. Masterclass with undergraduate voice students. La Sierra University, Riverside, CA. March 19, 2019.
- Giovanni Santos (with **Byron Graves**, Craig Mohr, Steven Hutchison, Jason Coffey, Dean Kravig, and Tom Tavasci). "Building a successful band program." North American Division Teachers' Convention. Chicago, IL. August 6-9, 2018.
- Carla Trynchuk**. Faculty, Young Artist Seminar. Rocky Ridge Music Center, Estes Park, CO. June 19-July 15, 2018.
- Carla Trynchuk**. Violin Masterclass. Walla Walla University, College Place, WA. March 18, 2019.
- Chi Yong Yun**. Piano Masterclass. Sahmyook University, Seoul, South Korea. March 2018.
- Ronnie Zanella** (with **Stephen Zork**). "Falstaff and the fairies." Masterclass with Dr. Craig Jessup (Utah State University). Michigan Conference, American Choral Director's Association. Western Michigan University, Kalamazoo, MI. October 27, 2018.
- Stephen Zork**. Choir Clinician, Music Festival 2018. Howard Performing Arts Center, Berrien Springs, MI. March 3, 2018.
- Stephen Zork**. "Principles of healthy singing." Workshop, Music & Worship Conference. Pioneer Memorial Church, Berrien Springs, MI. April 6, 2018.
- Stephen Zork**. Clinician, Homecoming Reunion Choir. Shenandoah Valley Academy, New Market, VA. April 19-21, 2018.
- Stephen Zork**. "Building a successful choral program." Plenary presentation at the North American Division Teachers' Convention. Chicago, IL. August 6-9, 2018.
- Stephen Zork**. "Rudiments of choral conducting: Vocal warm-ups and select principles of healthy singing." North American Division Teachers' Convention. Chicago, IL. August 6-9, 2018.
- Stephen Zork**. "Appropriating and adapting music for worship: Creativity with theological integrity." Music and Worship Conference. Andrews University, Berrien Springs, MI. April 5, 2019.

Physics

- Gary W. Burdick**. "The friendship between science and religion." Science-Theology Dialogue about Creation. Andrews University, Berrien Springs, MI. February 15-16, 2019.
- Gary W. Burdick**, Ben Clausen, Richard M. Davidson, Jerry Root, John Walton, A. Rahel Wells, and Randall Younker. Panel discussion, Science-Theology Dialogue about Creation. Andrews University, Berrien Springs, MI. February 15-16, 2019.
- Mickey D. Kutzner**. "Circuit simulations to teach the Hodgkin-Huxley membrane potential model." American Association of Physics Teachers Winter Meeting. Houston, TX. January 12-15, 2019.
- Kelsey Rook** (with **Tiffany Z. Summerscales**). "Finding optimal input parameters for BayesWave." American Physical Society April Meeting. Columbus, OH. April 14-17, 2018.
- Uygun V. Valiev, **Gary W. Burdick**, Rakhim Yu Rakhimov, and Dejun Fu. "The role of J-J "mixing" mechanism in the magneto-optics of the Praseodymium Yttrium-Aluminum Garnet Pr³⁺:YAG." XVII International Feofilov Symposium on Spectroscopy of Crystals Doped with Rare Earth and Transition Metal Ions. Ekaterinburg, Russian Federation. September 23-28, 2018.

Religion & Biblical Languages

- Alma Nizaye Cortez Alvarez** (with **A. Rahel Wells**). "The biblical account and memory of Heshbon." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Gary W. Burdick, Ben Clausen, Richard M. Davidson, Jerry Root, John Walton, **A. Rahel Wells**, and Randall Younker. Panel discussion, Science-Theology Dialogue about Creation. Andrews University, Berrien Springs, MI. February 15-16, 2019.
- Erhard H. Gallos**. "Christ in the Book of Hebrews." Center for Adventist Ministry to Public University Students (CAMPUS). Camp Au Sable, Grayling, MI. February 15-17, 2018.
- Erhard H. Gallos**. "Remarriage after divorce." Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.
- Erhard H. Gallos**. "The sanctuary doctrine and the pre-advent judgment: A blessing or a curse?" LEAD Conference. Battle Creek, MI. October 11-13, 2018.
- Erhard H. Gallos**. "Hebrews and the pneumatology of Pentecost." Evangelical Theological Society Annual Meeting. Denver, CO. November 13-15, 2018.
- Erhard H. Gallos**. "Hard topics in the Book of Revelation: How do we teach them?" Special Group Meetings, Adventist Society for Religious Studies. Denver, CO. Nov. 15-17, 2018.
- Nathon L. Hilton** and **Davide Sciarabba**. "The eye of my understanding': The intelligibility of God and human cognition in the *Revelations of Divine Love* by Julian of Norwich." Student Religious Studies Conference, Midwest Region Society of Biblical Literature. University of Notre Dame, South Bend, IN. February 8, 2019.
- Nathon L. Hilton** (with **Davide Sciarabba**). "Kenosis and self-denial in Jean-Luc Marion's formulations on the language of the doctrine of God." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Rodney Palmer**. "Creating a trauma-informed college classroom." Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 28, 2019.
- Rodney Palmer**. "The role and relevance of the Black Adventist religion teacher/scholar in an age of anti-intellectualism." Adventist Society of Religious Studies. Denver, CO. November 15-17, 2018.
- Paul Petersen**. "God's people of the eschaton: The reversal of the role of Daniel as prophetic characterization of the end-time saints." International Bible Conference. Rome, Italy. June 11-21, 2018.
- Glenn Russell** and **Rodney Palmer**. "Filling the God-shaped space: Spiritual principles and methods for the Christian classroom." North American Division Teachers' Convention. Chicago, IL. August 6-9, 2018.
- Glenn Russell**. "The joy of leaning forward: The power of biblical eschatological hope." Association of Youth Ministry Educators National Conference. St. Louis, MO. October 27-29, 2018.
- A. Rahel Wells**. "Direction of dependence in the animal Sabbath laws in the Pentateuch." Exploring the Composition of the Pentateuch Conference. Andrews University, Berrien Springs, MI. March 27, 2018.
- A. Rahel Wells**. "Purim as pedagogy." Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 29, 2018.
- A. Rahel Wells**. "Why care for the Earth if it is all going to burn?" Fourth International Bible Conference. Rome, Italy. June 11-21, 2018.

- A. Rahel Wells.** “The value of nature.” Creation Sabbath. Village SDA Church, Berrien Springs, MI. October 26-27, 2018.
- A. Rahel Wells.** “The eye as a metaphorical agent in Deuteronomic law.” Society of Biblical Literature Annual Meeting. Denver, CO. November 17-21, 2018.
- A. Rahel Wells.** “Bioethics and the science-theology dialogue.” Science-Theology Dialogue about Creation. Andrews University, Berrien Springs, MI. February 15-16, 2019.
- Robert Zdor, Shandelle M. Henson, Marlene Murray, Benjamin A. Navia, **A. Rahel Wells**, and Tom Goodwin. “Fostering student faith development and integration across the curriculum: The Andrews University Biology Department experience.” Andrews University Teaching and Learning Conference, Berrien Springs, MI. March 29, 2018.
- Social Work**
- Celeste Alanis, Blanca Ramirez, and **Ingrid Slikkers.** “Balloons, cotton and pizza: Tolls for immigrants?” Latino Social Workers Organization Conference. University of Illinois-Chicago, Chicago, IL. October 17-19, 2018.
- Celeste Alanis, Blanca Ramirez, Joanna Rivera, and **Ingrid Slikkers.** “Trauma, mental health and legal status of immigrants and refugees in southwest Michigan.” System of Care Conference. Kalamazoo, MI. February 14-15, 2019.
- Alina M. Baltazar** and Duane C. McBride. “Intimate partner verbal abuse and alcohol use.” Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mount Pleasant, MI. March 9, 2018.
- Alina M. Baltazar.** “Role of religiosity in alcohol consumption among Christian college students: A mixed method approach.” Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- Alina M. Baltazar,** Duane C. McBride, and Harvey J. Burnett. “Intimate partner verbal abuse and alcohol use. Striking a blow against spouse abuse in the Adventist Church: What we know, what must change, and how we can get there.” Working Meeting of SDA Leaders and DV/IPV Prevention Advocates. Maui, HI. May 28-30, 2018.
- Alina M. Baltazar** and Duane C. McBride. “Verbal abuse and alcohol abuse and use.” Adventist Conference of Family Research and Practice. Andrews University, Berrien Springs, MI. July 19-21, 2018.
- Alina M. Baltazar,** René Drumm and Duane C. McBride. “Global family life education through the radio: A mixed method evaluation of Christian world radio family life programming.” National Council of Family Relations Annual Conference. San Diego, CA. November 7-10, 2018.
- Alina M. Baltazar.** “Building resilience,” “Recognizing the signs of mental health problems,” “Emotional intelligence,” “Forgiveness, charity, & gratitude for healing,” and “Suicide & suicide prevention.” Stress Management and Mental Health Section, North American Division Health Summit. Albuquerque, NM. January 20-26, 2019.
- Alina M. Baltazar.** “Codependence,” “Adverse childhood experiences,” and “Role of medication for recovery.” Journey to Wholeness Facilitator Training, North American Division Health Summit. Albuquerque, NM. January 20-26, 2019.
- Alina M. Baltazar.** “Living up to Adventist standards: The role religiosity plays in wellness behaviors of Adventist college students.” Nurture and Retention Summit. Silver Spring, MD. April 5-7, 2019.
- Karl G. D. Bailey, Cooper B. Hodges, **Christiana D. Atkins,** Paola S. Caceres, **Eliana Iller,** **Alina M. Baltazar,** and Duane C. McBride. “Correlates of retrospective parental environment perceptions in emerging adults.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- Karl G. D. Bailey, Cooper B. Hodges, **Christiana D. Atkins,** Paola S. Caceres, **Eliana Iller,** **Alina M. Baltazar,** and Duane C. McBride. “Validation of a retrospective parental environment questionnaire in emerging adults.” Midwestern Psychological Association Annual Meeting. Chicago, IL. April 11-13, 2019.
- Skip Bell, Will James, Carmelo Mercado, Todd Stout, **Ingrid Slikkers,** and Bryan Mann. Panel, Urban Ministry and Mission Congress. Andrews University, Berrien Springs, MI. September 6-8, 2018.
- Tam Pheona Cane and **Krista Cooper.** “Self-care and the HIV researcher: Reflections from the field.” Joint World Conference on Social Work, Education, and Social Development. Dublin, Ireland. July 4, 2018.
- Krista Cooper.** “The praxis of excellence.” Women of Excellence Conference. Berrien Springs, MI. April 12, 2019.
- Jharony Fernandez-Gibbs** (with **Ingrid Slikkers**). “Do you believe that trauma interventions are able to cross cultures?” Latino Social Workers Organization Conference. University of Illinois-Chicago, Chicago, IL. October 17-19, 2018.
- Trevor Furst,** **Curtis J. VanderWaal,** **Alina M. Baltazar,** and Duane C. McBride. “Sexual orientation, mental health and ethnicity in a church affiliated university.” Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.
- C. John Gavin, William Ellis, and **Curtis J. VanderWaal.** “Adventist views on creation.” Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- Margaret Howell.** “Mitigating secondary trauma experienced by MSW students in training.” North American Association of Christians in Social Work Conference. Hartford, CT. October 25-28, 2018.
- Margaret Howell.** “Mitigating secondary trauma in school professionals.” American Council of School Social Workers. Tulane University, New Orleans, LA. January 28, 2019.
- Duane C. McBride and **Alina M. Baltazar.** “Prevention: Role of family and community,” and “Prevention: Role of faith.” Journey to Wholeness Facilitator Training, North American Division Health Summit. Albuquerque, NM. January 20-26, 2019.
- Alisa Otto and **Ingrid Slikkers.** “Challenges of burnout and employee engagement in social services.” North American Association of Christians in Social Work Conference. Hartford, CT. October 25-28, 2018.
- Rosalie L. Pacula, Jamie F. Chriqui, Yvonne M. Terry-McElrath, **Curtis J. VanderWaal,** and Frank J. Chaloupka. “Marijuana liberalization policies: The importance of evaluating the impact of state laws in the U.S.” Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.
- Melissa Ponce-Rodas, **Krista Cooper,** **Alina M. Baltazar,** and Petr Cínčala. “Panel discussion: Professional development for early career researchers.” Andrews Research Conference: Social Sciences. Andrews University, Berrien Springs, MI. May 14-16, 2018.

RESEARCH & CREATIVE ACTIVITY

PRESENTATIONS / PERFORMANCES, EXHIBITIONS, RECORDINGS & FILM PRODUCTION

Blanca Ramirez, **Ingrid Slikkers**, Celeste Alanis, Bella Hounakey, and Joanna Rivera. "Trauma, mental health and legal status of immigrants and refugees in southwest Michigan." System of Care Conference. Kalamazoo, MI. February 15, 2018.

David Sedlacek, Duane C. McBride, René Drumm, and **Alina M. Baltazar**. "Data makes a difference (Sometimes!)." Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.

David Sedlacek, René Drumm, **Shannon M. Trecartin**, **Curtis J. VanderWaal**, and Nancy J. Carbonell. "LGBT+ Seventh-day Adventist millennials: How religiosity connects to risk and protection." North American Association of Christians in Social Work Conference. Hartford, CT. October 25-28, 2018.

David Sedlacek, Steve Yeagley, Nancy J. Carbonell, **Curtis J. VanderWaal**, and **Shannon M. Trecartin**. "Preventing LGBT+ abuse: From *them* to *us* with *them*." Rise Up Against Abuse Rally. Andrews University, Berrien Springs, MI. March 10, 2019.

Ingrid Slikkers. "El ser personal: Relaciones con padres y otros adultos" and "Self: Relationships with parents and other adults." Conectate LUC Bilingual Youth Congress. Berrien Springs, MI. June 1-3, 2018.

Shannon M. Trecartin. "Why microaggressions matter in child welfare." Continuing Education Training, Michigan Department of Health and Human Services & DHHS-Contracted Private Agencies. Andrews University, Berrien Springs, MI. September 21, 2018.

Shannon M. Trecartin. "Does environment matter? Examining Lawton's ecological model in a representative U.S. sample." Council on Social Work Education Annual Meeting. Orlando, FL. November 8-11, 2018.

Shannon M. Trecartin, **Curtis J. VanderWaal**, and René Drumm. "Saving grace: Suicide risk and protective factors among Christian LGBT+ millennials." Council on Social Work Education Annual Meeting. Orlando, FL. November 8-11, 2018.

Curtis J. VanderWaal, David Sedlacek, **Shannon M. Trecartin**, and Nancy J. Carbonell. "The ties that bind: Exploring the impact of SDA family response to LGBT+ children." Michiana Adventist Forum, Berrien Springs, MI. March 10, 2018.

Curtis J. VanderWaal, David Sedlacek, **Shannon M. Trecartin**, and Nancy J. Carbonell. "The impact of family support and rejection among Seventh-day Adventist LGBT+ millennials." Andrews Research Conference: Social Sciences. Andrews University, Berrien Springs, MI. May 14-16, 2018.

Curtis J. VanderWaal, John T. Gavin, and William Ellis. "Seventh-day Adventist opinions on same-sex attraction and same-sex unions." Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.

Curtis J. VanderWaal, David Sedlacek, Nancy J. Carbonell, and **Shannon M. Trecartin**. "The impact of family and church support or rejection among LGBT+ millennials in the church." Urban Mission and Ministry Congress. Andrews University, Berrien Springs, MI. September 6-8, 2018.

Lianne Wynne (with **Alina Baltazar**). "Emphasizing multi-faceted self-care to Puerto Rican communities post-Hurricane Maria." Andrews Research Conference: Social Sciences. Andrews University, Berrien Springs, MI. May 14-16, 2018.

Lianne Wynne, **Kimberly Cruz**, **Ruby Huerta**, and **Alina Baltazar**. "Emphasizing multi-faceted self-care to Puerto Rican communities post-Hurricane Maria." Adventist Human-Subject Researchers Association Annual Conference. Andrews University, Berrien Springs, MI. May 16-19, 2018.

Visual Art, Communication & Design

Liz Dominguez (with **Desrene Vernon-Brebner**). "An ethnographic study: Andrews University Lady Cardinals soccer team and group dynamics." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Stefanie P. Elkins. "The Khirbet 'Ataruz Cult Stand." International Conference on the History and Archaeology of Jordan (ICHAJ 14). "Culture in Crisis: Flows of Peoples, artifacts and Ideas." University of Florence, Florence, Italy. January 21-25, 2019.

Debbie-Ann Francis (with **Desrene Vernon-Brebner**). "A forum on state and regional conferences: An ideological criticism." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Royce A. V. Odiyar (with **Desrene Vernon-Brebner**). "Political lessons from Revolutionary America." Michigan Academy of Science, Arts, and Letters Annual Conference. Alma College, Alma, MI. March 1, 2019.

Doug Taylor. "Design: Do we see it in the creation story?" Creation Sabbath. Village SDA Church, Berrien Springs, MI. October 27, 2018.

Desrene Vernon-Brebner. "A generic criticism of Andrews University's response to #ItIsTimeAU. Listen. Dialogue. Change." Michigan Academy of Science, Arts, and Letters Annual Conference. Central Michigan University, Mt. Pleasant, MI. March 9, 2018.

2018-19 PERFORMANCES, EXHIBITIONS, RECORDINGS & FILM PRODUCTION

Behavioral Sciences

Herbert W. Helm Jr. "Trio of Iris," original watercolor. Art Comp 2018, Chesterton Art Center, Chesterton, IN. September 9-October 3, 2018.

Herbert W. Helm Jr. "A Venetian Canal," original watercolor. Annual Elkhart Juried Regional, Midwest Museum of American Art, Elkhart, IN. October 5, 2018.

Chemistry & Biochemistry

Ryan T. Hayes (with Tim Standish and Shelley Quinn). "Design at the Molecular Level." 3ABN, The Creator Revealed, Part 1. February 3, 2019.

Ryan T. Hayes (with Tim Standish and Shelley Quinn). "Evidence of a Recent Creation." 3ABN, The Creator Revealed, Part 6. March 10, 2019.

Ryan T. Hayes (with Tim Standish and Shelley Quinn). "DNA and Design." 3ABN, The Creator Revealed, Part 10. April 7, 2019.

History & Political Science

Brian Conybeare, **Marcella Myers** and Jamie Smith (with Elizabeth Bennion). "Political debates and political ads: Do they matter?" Episode 2103, *Politically Speaking*, WNIT. November 16, 2018.

James White Library

Marianne Kordas, Karin Thompson, Elsy Gallardo, et al. A Midsummer Night Revel. Niles History Center, Niles, MI. June 29, 2018.

Music

Andrew Campbell (piano), Katherine McLin (violin), **Carla Trynchuk** (violin), David Rose (viola), and Si-Yan Li (cello). Chamber Performance, "Piano Quintet in F minor, op. 34," Brahms. Rocky Ridge Music Center, Estes Park, CO. June 24, 2018.

- Claudio Gonzalez.** Conductor, Andrews University Symphony Orchestra. “Music from the Americas.” Aula Magna ELTE University, Budapest, Hungary (May 14, 2018) and Czech Museum of Music, Prague, Czech Republic (May 20, 2018).
- Byron Graves.** Director, Wind Symphony Tour Concerts. Battle Creek Academy, Battle Creek, MI; Lansing SDA Church, Lansing, MI; Holland SDA Church, Holland, MI. March 9-10, 2018.
- Byron Graves.** Band clinician, Michigan Conference Elementary Band Clinic. Howard Performing Arts Center, Berrien Springs, MI. March 13, 2018.
- Byron Graves.** Band clinician, Indiana Conference Music Festival. Indiana Academy, Cicero, IN. April 5-7, 2018.
- Byron Graves.** Band clinician, Florida Conference Festival of the Arts. Forest Lake Academy, Apopka, FL. April 25-28, 2018.
- Byron Graves.** Band clinician, Georgia-Cumberland Conference Instrumental Invitational. Collegedale Academy, Collegedale, TN. January 25-26, 2019.
- Byron Graves, Claudio Gonzalez,** and Peter Cooper. “Fairy Tales and Nine-Pins.” Sunday Music Series. Howard Performing Arts Center, Berrien Springs, MI. February 10, 2019.
- Byron Graves.** Coordinator and band clinician, Andrews University Band & Keyboard Festival. Howard Performing Arts Center, Berrien Springs, MI. February 27-March 2, 2019.
- Byron Graves.** Band clinician, Michigan Conference Elementary Band Clinic. Howard Performing Arts Center, Berrien Springs, MI. March 6, 2019.
- Byron Graves.** Conductor, AU Wind Symphony Thailand Tour Concert. Trinity Adventist International Church (Bangkok, Thailand, March 15, 2019), Bangkok International Church (Bangkok, Thailand, March 16, 2019), Ekamai International School (Bangkok, Thailand, March 18, 2019), Asia-Pacific International University (Muak Lek, Thailand, March 18, 2019), Khon Kaen University (Khon Kaen, Thailand, March 19, 2019), Chiang Mai Adventist Academy Church (Chiang Mai, Thailand, March 24, 2019).
- Byron Graves.** Coordinator, MSBOA District VI Honors Band, Michigan School Band & Orchestra Association. Howard Performing Arts Center, Berrien Springs, MI. March 25, 2019.
- Max Keller.** Theme song and credits music. *Your Story Hour*. Berrien Springs, MI. First airing October 21, 2018.
- Max Keller.** Performance of original composition for solo cornet and piano: “Sunflower.” Howard Performing Arts Center, Berrien Springs, MI. January 20, 2019.
- Adriana Perera.** Original composition: “En Espíritu y en Verdad.” Performed by the Honor Choir, Honor Choir Festival. Southern Adventist University, Collegedale, TN. February 24, 2018.
- Charles Reid.** Zemlinsky: *Eine florentinische Tragödie*. Capriccio label, C5325. January 12, 2018.
- Charles Reid.** Puccini: *Il Tabarro*. Capriccio label, C5326. April 13, 2018.
- Charles Reid.** “St. Cecilia Mass – Sanctus,” Gounod. Andrews University Symphony Orchestra and Singers. Berrien Springs, MI. September 29, 2018.
- Charles Reid.** “Fantasia on Christmas Carols,” Vaughan Williams. Andrews University Symphony Orchestra and Singers. Berrien Springs, MI. December 7, 2018.
- Charles Reid.** “Messiah,” Handel. Columbia Pro Cantare, Columbia, MD. December 2, 2018.
- Charles Reid.** “Requiem,” Mozart. Ann Arbor Symphony, Ann Arbor, MI. January 12, 2019.
- Charles Reid.** Three new art songs by Kenneth Logan, including one world premiere. Contemporary Composers of AU Concert. Howard Performing Arts Center. Berrien Springs, MI. January 20, 2019.
- David Shea (clarinet), **Carla Trynchuk** (violin), Erik Peterson (violin), David Rose (viola), and Si-Yan Li (cello). Chamber Performance, “Clarinet Quintet in A Major,” Mozart. Rocky Ridge Music Center, Estes Park, CO. July 1, 2018.
- Carla Trynchuk, Karin Thompson,** and **Chi Yong Yun.** Trio Recital, Second Sunday Music Series. Howard Performing Arts Center, Berrien Springs, MI. January 21, 2018.
- Carla Trynchuk.** Solo with the Andrews University Orchestra; Claudio Gonzalez, conductor. “Four Seasons,” Piazzolla. Aula Magna, ELTE University Performance Hall. Budapest, Hungary. May 14, 2018.
- Carla Trynchuk.** Solo Recital with pianist Carmen Roberts. Works by Chopin, Sibelius, Rachmaninoff, Albeniz, Kreisler, Dvorak, Shchedrin, Mendelssohn, Brahms. Fernwood Recital. Fernwood Botanical Garden, Niles, MI. August 12, 2018.
- Carla Trynchuk.** Soloist with the Andrews University Symphony Orchestra; Chris Wild, conductor. “Filaments,” Eliza Brown. Howard Performing Arts Center. Andrews University, Berrien Springs, MI. October 27, 2018.
- Carla Trynchuk** and **Chi Yong Yun.** Violin and Piano. Sunday Music Series. Howard Performing Arts Center, Berrien Springs, MI. November 11, 2018.
- Carla Trynchuk** and **Chi Yong Yun.** Violin and Piano, Works by Beethoven, Mendelssohn, Schumann, Brahms, Chausson, Wieniawski, Dvorak. Sunday Afternoon Concert Series. First United Methodist Church of Middlebury. February 24, 2019.
- Carla Trynchuk** and **Claudio Gonzalez.** Soloists with the Andrews University Orchestra; Chris Wild, conductor. “Sinfonia Concertante,” Mozart. Howard Performing Arts Center, Berrien Springs, MI. March 9, 2019.
- Carla Trynchuk** and **Chi Yong Yun.** Violin and Piano, Guest Recital. Works by Beethoven, Mendelssohn, Schumann, Brahms, Chausson, Wieniawski, Sibelius, and Dvorak. Walla Walla University, College Place, WA. March 17, 2019.
- Mark Walters (baritone), Christina Pier (soprano), Nicole Heaston (soprano), Aaron Sorensen (bass), **Charles Reid** (tenor), Sydney Anderson (soprano), Evan Boyer (bass), Jay Oetman (bass), Josh Danks (bass). Mozart: *Don Giovanni*. Kalamazoo Symphony Orchestra, KSO-023-A, 2018.
- Chi Yong Yun.** Concerto Performance, Benefit concert. Howard Performing Arts Center, Berrien Springs, MI. March 2018.
- Chi Yong Yun.** Recitalist. TLI Arts Center, Seoul, South Korea. March 2018.
- Chi Yong Yun.** Second Sunday Series. Howard Performing Arts Center, Berrien Springs, MI. March 2018.
- Chi Yong Yun.** Recitalist. University of Illinois Urbana Champaign, Urbana, IL. April 2018.
- Chi Yong Yun.** Second Sunday Series. Howard Performing Arts Center, Berrien Springs, MI. April 2018.
- Chi Yong Yun.** The Bartok Ensemble. Oregon Music Festival. Portland, OR. July 12, 2018.
- Chi Yong Yun.** Taeureung Winter International Music Festival Gala Finale Concert. Seongnam, South Korea. January 29-February 1, 2019.
- Chi Yong Yun.** Soloist, Andrews University Symphony Orchestra; Chris Wild, conductor. Sergei Rachmaninoff “Piano Concerto No. 2 Piano.” WAUS 2019 Member Thank You Concert. April 20, 2019.

RESEARCH & CREATIVE ACTIVITY

PERFORMANCES, EXHIBITIONS, RECORDINGS & FILM PRODUCTION / FACULTY RESEARCH GRANTS

- Stephen Zork.** Conductor, Andrews University Singers, Milwood Concert Series. Milwood United Methodist Church, Kalamazoo, MI. February 11, 2018.
- Stephen Zork.** Clinician, Northern Ohio Adventist Academy Choir Festival. Sheffield Lake, OH. October 11-13, 2018.
- Stephen Zork.** Conductor, Andrews University Singers Concert Tour. Indiana Academy, Cicero, IN (November 9, 2018) and Glendale Seventh-day Adventist Church, Indianapolis, IN (November 10, 2018).
- Stephen Zork.** Conductor, Andrews University Chorale, Singers, and Symphony Orchestra. "Welcome Christmas! - Oh, Come to my Heart, Lord Jesus!" Howard Performing Arts Center, Berrien Springs, MI. December 7, 2018.
- Stephen Zork.** Conductor, Andrews University Singers Concert. St. Joseph First Congregational Church UCC, St. Joseph, MI. December 9, 2018.

Religion & Biblical Languages

- Peter Landless and **A. Rahel Wells.** "Faith and health: Live long and prosper? Parts 1 and 2." Hope Channel, *Faith and Life*, Season 2. Recorded April 3, 2018.
- Glenn Russell.** *Scriptural Pursuit*. Weekly broadcast on LifeTalk Radio, WAUS, and the web.
- Rodney Palmer** and Glenn Russell. "The Influence of Materialism (Jan 6)." WAUS, *Scriptural Pursuit*. Stewardship: Motives of the Heart Series. 2018.
- Rodney Palmer** and Glenn Russell. "The Cosmic Controversy (Apr 7)," "End-Time Deceptions (Jun 2)," "Babylon and Armageddon (Jun 23)." WAUS, *Scriptural Pursuit*. Preparation for the End-Time Series. 2018.
- Rodney Palmer** and Glenn Russell. "Church Organization and Unity (Dec 22)," "Final Restoration and Unity (Dec 29)." WAUS, *Scriptural Pursuit*. Oneness in Christ Series. 2018.
- Rodney Palmer** and Glenn Russell. "The Seven Seals (Feb 2)," "I Make All Things New (Mar 30)." WAUS, *Scriptural Pursuit*. The Book of Revelation Series. 2019.
- Rodney Palmer** and Glenn Russell. "When Alone (Apr 27)," "The Royal Love Song (May 11)." WAUS, *Scriptural Pursuit*. Family Seasons Series. 2019.

Visual Arts, Communication & Design

- Greg Constantine.** "Jasper Johns Quote" (Art Quote), Original mixed mediums. "Fool the Eye" Exhibition, Nassau County Museum of Art, Roslyn Harbor, NY. November 18, 2017-March 4, 2018.
- Greg Constantine.** Second Presbyterian Church Gallery, Indianapolis, IN. December 3, 2017-January 13, 2018.
- Greg Constantine.** "Jesus of New York." Southern Adventist University Gallery, Collegedale, TN. February 15-March 13, 2018.
- Greg Constantine.** "Couch," Original mixed media. West Michigan Area Show Competition. Kalamazoo Institute of Arts, Kalamazoo, MI. May 25-September 2, 2018.
- Greg Constantine.** "Saint Liberty," Original painting and mixed mediums. Top 25 Finalist Award, ArtPrize10. Big Old Building, Grand Rapids, MI. September 19-October 7, 2018.
- Greg Constantine.** "Poetic Licenses," three original artworks. Lee Hayden Gallery, Beachwood, OH. October 2018.
- Greg Constantine.** "Saint Liberty," Original Painting and mixed mediums. Frames Unlimited, Grand Rapids, MI. October 17-November 25, 2018.
- Kari Friestad.** "Horizons," Solo Exhibition. The Gallery at the Inn at Harbor Shores, Benton Harbor, MI. December 13, 2018-March 1, 2019.

- Kari Friestad.** "Gloss and Spray Oil on Multiple Panels." Hear Us! 2019 Women in Art. The Riverside Arts Center: Off-Center Gallery, Ypsilanti, MI. March 1-29, 2019.
- Paul Kim.** "The Book of Joshua," film production. Produced and directed by Paul Kim. March 2019.
- Diane Myers.** "Letter to Bea," Pen. Now Exhibition. Eichold Gallery, Mobile, Alabama. October 1-November 3, 2018.

2018-19 FACULTY RESEARCH GRANTS

New Faculty Research Grants

- Lisa Ahlberg** (Chemistry), *High Pressure Liquid Chromatography (HPLC) Method Development for Analysis of Amino Acids*.
- Sonia Badenas** (International Languages), *The Use of Short Stories in Intermediate French Textbooks in the USA*.
- Alina Baltazar** (Social Work), *Qualitative Assessment of Christian College Students' Perceptions of Motivations and Influences for Health Risk Behaviors*.
- Anthony Bosman** (Mathematics), *Families of Links Related by Band Surgery*.
- Daniel Gonzalez** (Biology), *Phase II of Amazonian Manatee Detection with Side-scan Sonar and Initial Survey of Antillean Manatees in the Villa Clara Province of Cuba*.
- Tom Goodwin** (Biology), *Variation in Diet by Season, Age, and Gender in Thirteen-lined Ground Squirrels (Ictidomys tridecemlineatus)*.
- Julia Kim** and **Beverly Matiko** (English), *Power, Ideology, and Linguistic Choices in the Discourse on Women's Ordination: A Study of Three Roman Catholic Documents*.
- Marianne Kordas** (Library), *The Blythe Owen Project, Facets I & II: Creating a Critical Edition of the Sonata for Violin and Piano and Completing Transcriptions of the Owen Correspondence in CAR Collection 186*.
- Kathy Koudele, Tim Newkirk, and Melissa Poua** (Agriculture, Medical & Laboratory Sciences), *The Correlation between the Milk Somatic Cell Count and the Differential Leukocyte Count in the Blood of Cows that have a Positive Milk ELISA Test for Antibodies to the Bovine Leukosis Virus*.
- Peter Lyons** (Biology), *Investigating the Function of Pseudopeptidases*.
- Marlene Murray** (Biology), *The Effects of Omega-3 Fatty Acids on Expression of the ISYNA1 and IMPA Genes in Human Brain Cells*.
- Joel Raveloharimisy** (Behavioral Sciences), *Formalizing the Informal: Analysis of the Formalization of Informal Institutions in Madagascar*.
- Christian Stuart** and **Ivan Davis** (English), *Teaching for Transfer in the First Year: Writing About Writing at Andrews University*.
- Faculty Research Grant Renewals**
- Greg Constantine** (Visual Art, Communication & Design), *Creation and Exhibition of "Poetic Licenses" and the Creation and Publishing of two Graphic Novels*.
- Krista Cooper** and **Curtis VanderWaal** (Social Work), *Identity and Experience: The Lives of Women Living with Symptomatic Uterine Fibroids*.
- Vanessa Corredera** (English), *"Woke" Shakespeare: Racial Discourse and Representation in Modern Othellos*.
- Ryan Hayes** (Chemistry) and **Brian Wong** (Biology), *Mutagenicity Assessment of Burned Plant Amino Acids and Antimutagenic/Anticarcinogenic Effects of Chinese Medicinal Herbs*.

- Jay Johnson** (Engineering), *Neural Basis for Auditory Scene Analysis*.
Hyun Kwon (Engineering), *Affordable Detection of Cancer Biomarkers Using the ECL Sensor*.
Øystein LaBianca (Behavioral Sciences), *Animation of the Cultural Landscape of Hisban and Vicinity in the Longue Duree*.
Kenneth Logan (Music), *Musical Composition Fostering and Efficiency Project*.
Duane McBride, Petr Činčala, Curtis VanderWaal, Desrene Vernon-Brebnor, Rene Drumm, Karl Bailey, Alina Baltazar, Krista Cooper (Behavioral Sciences, Church Ministry, Social Work, and Visual Art Communication & Design), *An Evaluation of Adventist World Radio to Improve Audience Mission Impact*.
Getahun Merga (Chemistry), *Synthesis and Characterization of Conjugated Gold and Silver Nanoparticles*.
Benjamin Navia (Biology), *Control of Female Cricket (*Acheta domestica*) Phonotaxis by Call Selective Neuronal Processing and Molecular Regulation*.
Boon-Chai Ng (Engineering), *Exploration of the Use of DEAP as a Large Strain Gage*.
Monique Pittman (English), *Shakespeare's Contested Nations: Anglo-American Performance of the History Plays in the Third Millennium*.
David Sedlacek (Discipleship) and **Alina Baltazar** (Behavioral Sciences), *Male Spouses and Female Pastors: Stressors and Coping Strategies*.
Denise Smith (Biology) and **Desmond Murray** (Chemistry), *Anti-invasion Properties of Novel Organic Compounds in Glioblastoma Multiforme*.
Tiffany Summerscales (Physics), *Estimating the Parameters of Gravitational Waves Using BayesWave*.
Shannon Trecartin (Social Work) and **Petr Činčala** (Church Ministry), *Analysis of the 2017 World Church Survey: Exploration of Church Health and Disability within Five Divisions*.
Rob Zdor (Biology), *Exploring Mustard Seed Meal Effects on the Extended Growth of Velvetleaf Plants under Controlled Field-like Conditions*.

2018–19 EXTERNAL RESEARCH GRANTS

Federal Grants

- Shandelle Henson** and **James Hayward**. *RUI: Collaborative Research: Climate Change, Cannibalism, and Reproductive Synchrony: The Effect of Food Shortages on Life History Strategies of Marine Organisms*. National Science Foundation (2014-2019).
 Peter Damiano, Christopher Chaston, Arthur Hull, **Jay Johnson**, Eun-Hwa Kim, and Simon Wing. *Energized electron signatures associated with the ballooning mode in the terrestrial magnetosphere*. National Aeronautics and Space Administration: NASA Heliospheric Supporting Research (University of Alaska, Fairbanks subaward) (2019-2022).
 Peter Damiano and **Jay Johnson**. *An Investigation of Electron Acceleration and Energy Transport by Alfvén Waves in the Jovian Magnetosphere*. National Aeronautics and Space Administration (University of Alaska, Fairbanks subaward) (2017-2019).
Jay Johnson and Simon Wing. *Comparing Global Gyrokinetic Simulations of Ballooning Instability in the Near-Earth Plasma Sheet with Wave Observations Associated with Substorm Onset*. National Aeronautics and Space Administration (2016-2019).

- Eun-Hwa Kim, Hyomin Kim, and **Jay Johnson**. *GEM Collaborative Research: Global Propagation Characteristics of Electromagnetic Ion Cyclotron Waves*. National Science Foundation (Princeton Plasma Physics Laboratory subaward) (2017-2020).
Hyun Kwon, Rodney Summerscales, and Padma Tadi Uppala. *RUI: Development of a Portable ECL Immunosensor with Mobile Technologies*. National Science Foundation (2017-2020).
 Yu Lin, **Jay Johnson**, Vassilis Angelopoulos, J. Perez, and X. Wang. *Global Coupling of Fast Flows in the Magnetotail to Kinetic Scales by Alfvénic Processes*. National Aeronautics and Space Administration (Auburn University subaward) (2017-2020).
 Katariina Nykyri, **Jay Johnson**, Peter Delamere, and Eun-Hwa Kim. *Cross-Scale Wave Coupling Processes in Kelvin-Helmholtz Structures in the Magnetospheric Boundary Layer*. National Aeronautics and Space Administration (Embry Riddle Aeronautical University subaward) (2017-2020).
 Sarah Vines and **Jay Johnson**. *Determining the fundamental physics of EMIC waves: Observations and Theory*. National Aeronautics and Space Administration: NASA Heliospheric Guest Investigator Program (Johns Hopkins University Applied Physics Laboratory subaward) (2019-2022).

Church Grants

- Alina Baltazar**, *Qualitative Assessment of Christian College Students' Perceptions of Motivations and Influences for Health Risk Behaviors*. General Conference of Seventh-day Adventists (2018-2019).
David Sedlacek and **Alina M. Baltazar**, *Male Spouses and Female Pastors: Stressors and Coping Strategies*. General Conference of Seventh-day Adventists (2017-2019).

Other Grants & Foundations

- Øystein LaBianca**. *Frerich Annual Professor Fellowship*. Albright Institute of Archaeological Research. Jerusalem, Israel. January-May, 2019.
Stephen Eccles and **Curtis VanderWaal**. *Benton Heights Healthy Eating and Physical Activity Evaluation*. United Way of Southwest Michigan (2019-2020).
Curtis VanderWaal. *United Way Programs Evaluation*. United Way of Southwest Michigan (2018-2019).
Curtis VanderWaal. *Girls on the Run Data Collection*. United Way of Southwest Michigan (2019-2020).

2018-19 UNDERGRADUATE RESEARCH SCHOLARS

- Jeremy Barrett** (Hyun Kwon, Engineering), *Development of a Dopamine Sensor*. Summer 2018, Fall 2018
Jonathan Borton (Vanessa Corredera, English), *Hispanic but Not Really: Finding My Place in the Puerto Rican-American Narrative*. Spring 2019
Brittney Byrd (Harvey Burnett, Behavioral Sciences), *The Effects of Suggestive Wording on Eyewitnesses*. Fall 2018, Spring 2019
Amanda Cho (Tom Goodwin, Biology), *Comparing Surface Appearance and Microstructure of Tooth Enamel and Dentin Formed During and Outside of Hibernation, Using Scanning Electron Microscopy*. Spring 2019
Kieun Chung (Ryan Hayes, Chemistry), *Method Optimization to Isolate Potentially-Carcinogenic, Arginine-Based Heterocyclic Amines*. Summer 2018
Claire Covrig (Lisa Ahlberg, Chemistry), *Rapid and Versatile One-Flask Synthesis of Dendrimer Cores*. Summer 2018

RESEARCH & CREATIVE ACTIVITY

UNDERGRADUATE RESEARCH SCHOLARS / GRADUATE RESEARCH GRANT RECIPIENTS

- Diamond De Guzman** (Joel Raveloharimisy, Behavioral Sciences), *Formalizing the Informal: Analysis of the Formalization of Informal Institutions in Madagascar*. Fall 2018, Spring 2019
- Alexi Decker** (Vanessa Corredera, English), "*The beauty! The beauty!*": *Conquering the Female Body in Heart of Darkness and The Brief Wondrous Life of Oscar Wao*. Summer 2018, Spring 2019
- Lucinda Ford** (Joon Kang, Mathematics), *Positive Solutions to a General Predator-Prey System with Combined Self-Limitation and Competition*. Spring 2019
- Trevor Furst** (Duane McBride, Behavioral Sciences), *Sexual Orientation and Mental Health*. Fall 2018, Spring 2019
- Devin Garcia** (Yun Myung Oh, Mathematics), *A curve satisfying $\tau/\kappa = 1/s$ with constant curvature κ* . Fall 2018, Spring 2019
- Talisa Gonzalez** (Harvey Burnett, Behavioral Sciences), *The Effects of Adverse Childhood Experiences on Parenting Practices*. Fall 2018, Spring 2019
- Nathan Hilton** (Davide Sciarabba, Religion), *A Cohesive Response to the Problem of Language in the Doctrine of God: A Phenomenological Approach*. Spring 2019
- MariAlexxa Holman** (Melissa Ponce-Rodas, Behavioral Sciences), *Racial Identity, religiosity and spirituality as correlates of campus climate and diversity narratives*. Summer 2018
- Ryutaro Jacobson** (Ryan Hayes, Chemistry), *Synthesis and Analysis of Red Perylene-3,4,9,10-tetracarboxylic Core PAMAM Dendrimers*. Summer 2018
- Christopher Jenkins** (Øystein LaBianca, Behavioral Sciences), *Animation of the Cultural Landscape of Tall Hisban in Jordan*. Summer 2018
- Juliane Johnson** (Daniel Gonzalez, Biology), *Subspecies differences in body shape and size in West Indian manatees*. Fall 2018
- Lisa Johnston** (Lynelle Weldon, Mathematics), *Identifying Common and Persistent Student Misconceptions by Analyzing Student Work on Remedial Mathematics Examinations*. Summer 2018
- Adair Kibble** (Sonia Badenas, International Languages), *Gender Roles and Hierarchy in The Beauty and the Beast as adapted by Jean Cocteau and Christophe Gans*. Spring 2019
- Ye Lim Kim** (Karl Bailey, Behavioral Sciences), *Investigating the Link Between Eye Movements and Related Speech Under Working Memory Load*. Fall 2018, Spring 2019
- Abigail Lopez** (Kristen Witzel, Behavioral Sciences), *Prevalence and Success of Crowdfunding Campaigns for Victims of School Shootings*. Spring 2019
- Anthony Miller** (David Nowack, Chemistry), *Understanding the Mechanism of the Intrinsic Fluorescence of PAMAM Dendrimers*. Fall 2018, Spring 2019
- Yosia Nurhan** (Shandelle Henson, Mathematics), *A Discrete-time Mathematical Model of Seabird Behavior*. Summer 2018
- Delight Pazvakawambwa** (Denise Smith, Biology), *Synthesis and Anti-Cancer Properties of Benzothiazole Chalcone in Glioblastoma U87 MG Cells*. Spring 2019
- Ingrid Radulescu** (Monique Pittman, English), *The Romanian Bard: Translating Shakespeare for a Post-Communist Nation*. Spring 2019
- Kate Reitz** (Kari Friestad, Visual Art, Communication & Design), *An Artistic Response to God's Word*. Summer 2018
- Paul Roschman** (Øystein LaBianca, Behavioral Sciences), *Animation of the Cultural Landscape of Hisban and Vicinity in the Longue Duree*. Fall 2018
- Skyler Schell** (Ryan Hayes, Chemistry), *Burning Method Optimization to Form and Capture Potentially-Carcinogenic, Arginine-Based Heterocyclic Amines*. Spring 2019
- Michaela Souza** (Desmond Murray, Chemistry), *Synthesis and Activity of Novel Dual Binding Transfectors*. Summer 2018
- Nathaniel Srikureja** (Ryan Hayes, Chemistry), *Prep-HPLC Method Optimization to Isolate Potentially Carcinogenic, Arginine-Based Heterocyclic Amines*. Fall 2018, Spring 2019
- Adam Weir** (Daniel Gonzalez, Biology), *Effects of body size, food type, and ontogeny on chewing cycle duration in West Indian manatees (Trichechus manatus) & Modeling morphometrics of West Indian manatees (Trichechus manatus) to estimate body mass*. Summer 2018, Spring 2019
- Mikelle Wile** (Shannon Trecartin, Social Work), *Seventh-day Adventist Persons with Disabilities and Their Experiences with Involvement in Church Life and Ministry*. Spring 2019
- Nicolai Williams** (Melissa Ponce-Rodas, Behavioral Sciences), *Awareness of Mental Health Services*. Fall 2018, Spring 2019
- Nina Woodard** (Daniel Gonzalez, Biology), *Mesowear in the Florida Manatee*. Fall 2018, Spring 2019
- Taemin Yoon** (Desmond Murray, Chemistry), *Green Organic Synthesis Mediated by Plant & Non-Plant 'Purees'*. Summer 2018, Fall 2018

2018-19 GRADUATE RESEARCH GRANT RECIPIENTS

- Tendai Hunyenyiwa** (Denise Smith, Biology), *The Effects of Novel Dihydropyridine Derivatives as Anti-invasive Drugs on Glioblastoma*.
- Priscilla Kyi** (Denise Smith, Biology), *Benzothiazole as a Novel Hybrid Anti-Invasion Agent Against Glioblastoma*.
- Stanley Lebrun** (Øystein LaBianca, Behavioral Sciences), *The Use of ESRI Platform in the Reconstruction of the Hisban Longue Duree Project*.
- Jeremy McLarty** (Tom Goodwin, Biology), *Paleoecological Interpretations of Microfossils from the Black Mountain Turtle Layer, Bridger Formation*.
- Austin Menzmer** (Tom Goodwin, Biology), *Seasonal Diet Variation in Thirteen-lined Ground Squirrels (ictidomys tridecemlineatus) in Southwest Michigan*.
- Joshua Pazvakawambwa** (Joel Raveloharimisy, Behavioral Sciences), *An Impact Assessment of Technology Use in Adventist Healthcare Missions*.
- Koloina Rakotondrainibe** (Joel Raveloharimisy, Behavioral Sciences), *Integrating Humanitarianism with Adventist Evangelism: an Evaluation of the Efficiency and Effectiveness of Traditional Outreach Methods*.
- Christina Rosette** (Marlene Murray, Biology), *A Comparison of ISYNA and IMPA1 Gene Expression in Normal vs. Bipolar Cells and the Effects of DHA and EPA on the Expression of ISYNA and IMPA1 in Normal Cells Versus Bipolar Disorder Cells*.

HOW A LIBERAL ARTS EDUCATION LEADS TO A GREAT CAREER



Critical Thinking



Intercultural Competence



Ethical Reasoning



Written & Oral Communication

Studies by the Association of American Colleges & Universities show that liberal arts graduates possess a wide variety of **SKILLS VALUED BY EMPLOYERS.**

“It is in Apple’s DNA that technology alone is not enough—it’s technology married with liberal arts, married with the humanities, that yields us the results that make our hearts sing.”

Steve Jobs

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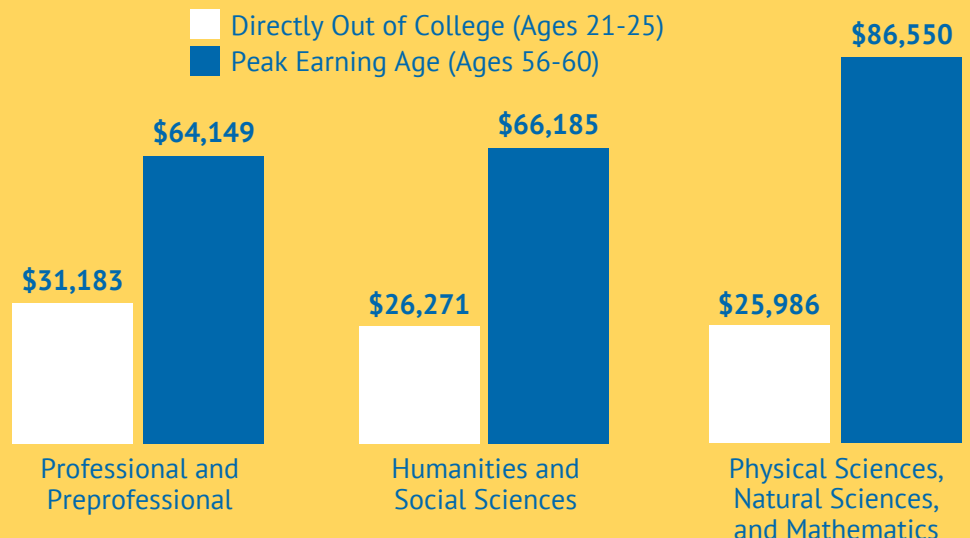
The average number of times a person changes jobs in their lifetime.

The liberal arts prepare students to be life-long learners who can thrive in a changing economic environment and experience

LONG-TERM CAREER SUCCESS.

Ultimately, those with a liberal arts background match or

SURPASS THE EARNINGS OF THEIR PEERS.



Sources: Association of American Colleges and Universities. (2014). "Liberal Arts and Sciences Majors Close Earning Gaps with Professional Majors," *Liberal Arts Graduates and Employment: Setting the Record Straight.*

