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**DOROTHY KOZLOWSKI, PH.D.  
INTERIM DEAN AND VINCENT  
DEPAUL PROFESSOR OF  
BIOLOGICAL SCIENCES**

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## WELCOME

The first six months serving as Interim Dean have been extremely rewarding. I have had the pleasure of learning more about the amazing work of our faculty, staff and students, some of which is highlighted in this issue.

I have also been spending time thinking about the future of our college. In December, our college conducted a two-day strategic planning retreat where we discussed what was important to us as a College, thinking about our strengths, opportunities, aspirations and how we would measure success in the coming years. The retreat resulted in five strategic priorities that we have spent the last few months fine tuning. You can find more on pages 3-4. It was an inspiring retreat that only increased my admiration for the faculty and staff of our college and their dedication to our mission. It was an excellent example of the words of St. Vincent DePaul - "By union and counsel we can achieve anything".

I hope you enjoy reading about the formation of our strategic plan along with just a sample of the fine work happening in our college.

Enjoy!  
Dorothy



# COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

## CSH Fall Quarter College Meeting

On October 5<sup>th</sup>, CSH held its Fall Quarter College Meeting.

Newly-appointed Interim Dean **Dorothy Kozlowski, Ph.D.** welcomed CSH faculty and staff to a new academic year and outlined her vision for her role as Interim Dean of CSH. In addition, to establish the goals and priorities that will guide her tenure as Interim Dean, Dr. Kozlowski announced a strategic planning initiative for CSH. Teams representing each of the college's units would first work to create unit goals that support the University's new strategic plan, "Grounded in Mission: The Plan for DePaul 2024." Then, teams would come together at a college-wide strategic planning retreat in December to draft a comprehensive strategic plan for CSH.

Dr. Kozlowski was honored with the Excellence in Research Award. Her research career spans over twenty years and has been focused on neuroscience. Specifically, Dr. Kozlowski is interested in how the brain tries to repair itself following traumatic brain injury through neuroplasticity. In her lab at DePaul, she uses a rodent model to study how to enhance brain repair through therapeutic approaches, such as physical rehabilitation, endogenous neurogenesis, bone marrow stem cell transplantation, or pharmacological agents. Dr. Kozlowski has been awarded external funding totaling over \$735,000 by the National Institutes of Health, the United States Department of Defense, and the Margot. B. Anderson Brain Restoration Foundation, as well as over \$330,000 in internal grants. She has published 34 peer-reviewed articles and book chapters and has delivered over 100 research presentations. Dr. Kozlowski is also the recipient of the Excellence in Teaching Award, and she is Past-President of the Chicago Society for Neuroscience.



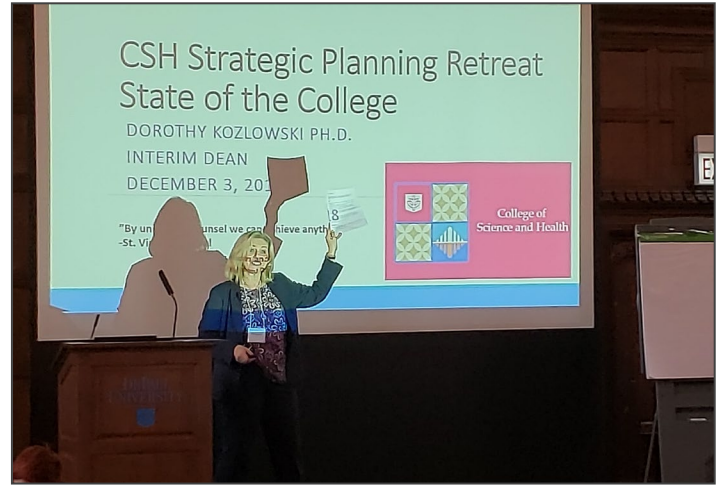
**T. Kyle Petersen, Ph.D.** was honored with the Mid-Career Excellence in Research Award. Dr. Petersen's research has focused on algebraic, enumerative, and topological combinatorics. He has published 30 peer-reviewed research articles in journals such as *Advances in Mathematics*, *SIAM Journal on Discrete Mathematics*, and the *American Mathematical Monthly* and delivered 52 research presentations. Dr. Petersen is also the author of a book, *Eulerian Numbers*, in which he explains how Eulerian numbers arise in the study of hyperplane arrangements, polytopes, and simplicial complexes. In his time at DePaul, Dr. Petersen has received external funding for his research from the Simons Foundation, the National Security Agency, and the Educational Advancement Foundation. Dr. Petersen is also the recipient of the Excellence in Teaching Award

and has been involved with the Academy of Inquiry-Based Learning, a community which seeks to promote a more student-centered approach to teaching.

**The next CSH college meeting will be held Friday, May 10<sup>th</sup> in McGowan South, 2:30pm – 4:30pm**

# COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

## CSH Strategic Planning Retreat



In December, representatives from across CSH came together to begin crafting a strategic plan for the college based on DePaul's new strategic plan, *Grounded in Mission: The Plan for DePaul 2024*.

The retreat was facilitated by 3D Group, an organizational consulting group co-founded by DePaul alum Dale S. Rose, Ph.D., Industrial Organizational Psychologist. Before the retreat, teams from each of CSH's units met to establish goals for their respective units that related to both the University's strategic plan and the mission and vision of CSH. These teams then came together on the first day of the retreat, after a State of the College address from interim Dean **Dorothy Kozlowski, Ph.D.**, to present their goals and collaborate with the larger group on establishing strategic priorities for the entire college. The group then completed a SOAR analysis, identifying the college's Strengths, Opportunities, Aspirations, and Results, before breaking for a social hour.



On the second day, after voting on which topics to prioritize for the strategic planning process, five committees formed to support continuing strategic planning for CSH in the following areas:



- Graduate Programs
- Health Programs
- Research
- Student Retention and Inclusivity
- CSH Faculty and Staff Diversity

These five committees will continue meeting through the winter and spring quarters to develop specific goals, objectives, and measures for their strategic area. Please attend the Spring College Meeting on May 10<sup>th</sup> to hear their presentations.



# COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

## CSH Strategic Planning Committees

### CSH FACULTY & STAFF DIVERSITY COMMITTEE

Orson Morrison, PsyD, Family & Community Services – Chair  
Elizabeth Aquino, Ph.D., RN, Nursing  
Carolyn Martineau, Ph.D., Biological Sciences  
Stefanos Orfanos, Ph.D., Mathematics  
Jesús Pando, Ph.D., Physics  
Quinetta Shelby, Ph.D., Chemistry & Biochemistry  
Amanda Storyward, Office of the Dean

### RESEARCH COMMITTEE

Kyle Grice, Ph.D., Chemistry & Biochemistry – Chair  
Doug Bruce, Ph.D., Health Sciences  
Bala Chaudhary, Ph.D., Environmental Science & Studies  
Chris Goedde, Ph.D., Physics  
Mary Bridget Kustusich, Ph.D., Physics  
Jalene LaMontagne, Ph.D., Biological Sciences  
Susan McMahon, Ph.D., Office of the Dean  
Jim Montgomery, Ph.D., Environmental Science & Studies  
Joe Mikels, Ph.D., Psychology  
Lynn Narasimhan, Ph.D., STEM Center/Mathematics

### GRADUATE PROGRAMS COMMITTEE

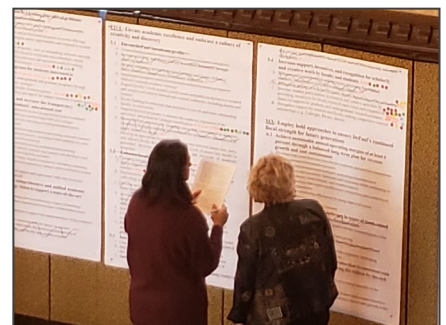
Bernadette Sánchez, Ph.D., Psychology – Chair  
Julie Brosnan, PsyD, Family & Community Services  
Leonard Jason, Ph.D., Center for Community Research  
Mark Potosnak, Ph.D., Environmental Science & Studies  
Christine Reyna, Ph.D., Psychology  
Timothy Sparkes, Ph.D., Biological Sciences

### HEALTH PROGRAMS COMMITTEE

Caitlin Karver, Ph.D., Chemistry & Biochemistry – Chair  
Donna Badowski, DNP, RN, CNE, Nursing  
Lindsey Burdick, Office of Advising & Student Services  
Joanna Buscemi, Ph.D., Psychology  
Sarah Connolly, Ph.D., Health Sciences/Biological Sciences  
Phil Funk, Ph.D., Office of the Dean  
Kathy Grant, Ph.D., Psychology  
Desale Habtzghi, Ph.D., Statistical Consulting Center/Mathematics  
Eric Norstrom, Ph.D., Biological Sciences/Neuroscience  
Christy Warner-Metzaer, Ph.D., Family & Community Services

### STUDENT RETENTION & INCLUSIVITY COMMITTEE

Rick Niedziela, Ph.D., Office of the Dean – Co-chair  
Michael Roberts, Office of Advising & Student Services – Co-chair  
Erin Berkowitz, Office of Advising & Student Services  
Christopher Drupieski, Ph.D., Mathematics  
David Jabon, Ph.D., Quantitative Reasoning Center/Mathematics  
Doug O’Roark, STEM Center  
Heather Sevener, Health Sciences  
Ken Shimada, Ph.D., Biological Sciences/Environmental Science & Studies  
Margaret Silliker, Ph.D., Biological Sciences



## COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

### 2018 DePaul Psychology Showcase and Reception



The Department of Psychology held its annual showcase on September 7<sup>th</sup> at Cortelyou Commons as part of the department's Welcome Week orientation.

This year's showcase, loosely organized around the theme "The Power of Psychology," included four research presentations from faculty representing the four doctoral programs: Clinical Psychology, Community Psychology, Industrial-Organizational Psychology, and Psychological Science.

This year, the Psychology Showcase attracted an international audience as the department welcomed guests Dr. Mario Konecki and Dr. Irena Kedmenec from the Faculty of Organization and Informatics in Varaždin, Croatia. Dr. Konecki and Dr. Kedmenec were visiting DePaul as participants in an international collaborative research exchange.

After the presentations, Psychology faculty, students, staff, and guests, including DePaul's President **A. Gabriel Esteban, Ph.D.** and his wife, **Josephine Esteban**, enjoyed a social hour reception to kick off the academic year.

### FACULTY RESEARCH PRESENTATIONS



Social Status Goals and Insecurity: The Power of Adolescents' Thoughts  
**Yan Li, Ph.D.**

The Power of Positivity: The Impact of Emotion on Aging and Beyond  
**Joseph Mikels, Ph.D.**



The Power of Schools: Vehicles to Assess Experiences, Improve Outcomes, and Effect Social Change  
**Susan D. McMahon, Ph.D.**

The Power of Small Effects: Gender and Negotiation  
**Alice Stuhlmacher, Ph.D.**



## COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

### 16<sup>th</sup> Annual DePaul Science and Mathematics Undergraduate Research Showcase



On November 2<sup>nd</sup>, the 16<sup>th</sup> Annual DePaul Science and Mathematics Undergraduate Research Showcase was held in McGowan South. The Showcase allows undergraduate students from CSH, CDM, and LAS to present research they have conducted over the last year to the DePaul community and the public. This year, over 100 undergraduate students from DePaul participated in the Showcase, presenting 84 posters and 13 oral presentations.

At the alumni panel, Science as a Starting Point, **Stephanie Torres** (CSH '13) discussed the importance of research and intervention work and how to integrate social justice and advocacy in multiple career paths. Stephanie studied Psychology and Latin American and Latino Studies, and she is currently a sixth-year doctoral student and a psychology intern at Ann and Robert H. Lurie Children's Hospital of Chicago. **Lauren Umek** (CSH '03) discussed her career connecting nature and the city, which combines her scientific training with her desire to promote social justice and community service. Lauren, who studied Environmental Science and Biology at DePaul, currently works as a Project Manager in the Chicago Park District Department of Cultural and Natural Resources.

Congratulations to this year's participants!

Faculty representatives at the Showcase included: **Bernhard Beck-Winchatz, Ph.D., Mark Potosnak, Ph.D., Jim Montgomery, Ph.D., Christopher Drupieski, Ph.D., Cathrine Southern, Ph.D., Sarah Connolly, Ph.D., Yevgenia Kashina, Ph.D.** (left), and **Kyle Grice, Ph.D.** (right). The event was organized by Jesus Pando Ph.D.



# COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

## 2018-19 Doctoral & Undergraduate Opportunities for Scholarship (DUOS)

Beginning in autumn 2007, a funding initiative was introduced through the College of Liberal Arts and Sciences to enhance student research opportunities in the Departments of Philosophy and Psychology. In 2011-12, this tradition was continued for Psychology students when the College of Science and Health was created. This competitive initiative for which students apply, called DUOS, provides a stipend to a doctoral student and to an undergraduate student who work jointly on a project. This program enables DePaul undergraduates to do research or other creative activities with the guidance of a doctoral student mentor. Several research teams are funded each year, with each student participant receiving \$750.

Congratulations to this year's recipients:

**Negotiation beliefs among Black male and female entrepreneurs**

Undergraduate Student: **Catherine Brown**

Graduate Student: **Amber Cotton Rouse**

Faculty Advisor: **Alice Stuhlmacher, Ph.D.**

**The role of perfectionism in the relation between acculturative stress and anxiety among Latino/a youth**

Undergraduate Student: **Danya Soto**

Graduate Student: **Nicole Colón Quintana**

Faculty Advisor: **Antonio Polo, Ph.D.**

**Documentation status and violence exposure for women in the Dominican Republic**

Undergraduate Student: **Iris Valentina Sanchez Suarez**

Graduate Student: **Mary (Peggy) Tull**

Faculty Advisor: **Ida Salusky, Ph.D.**

**Touching your words: Exploring the position coding of tactile stimuli**

Undergraduate Student: **Isabel Uribe**

Graduate Student: **Ana Baciero**

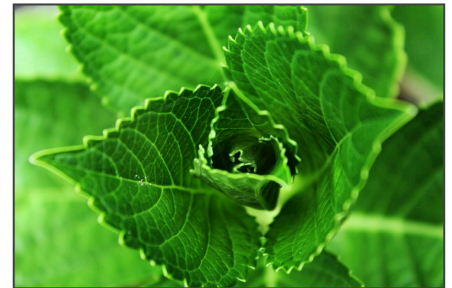
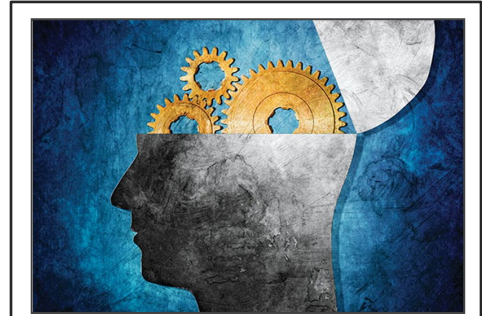
Faculty Advisor: **Pablo Gomez, Ph.D.**

**Out of the closet: Perceptions of IPV among same-sex couples**

Undergraduate Student: **Jacob Broschart**

Graduate Student: **Andrea Bellovary**

Faculty Advisor: **Theresa Luhrs, Ph.D.** and **Christine Reyna, Ph.D.**



# COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

## 2018-19 Doctoral & Undergraduate Opportunities for Study (DUOS)

Shelter stayer and staff perspectives on criminal justice system involvement

Undergraduate Student: **Kyla Hinds**  
Graduate Student: **Camilla Cummings**  
Faculty Advisor: **Molly Brown, Ph.D.**

White entitlements role in intergroup relationships and white supremacy

Undergraduate Student: **Lynn Kannout**  
Graduate Student: **Kara Harris**  
Faculty Advisor: **Christine Reyna, Ph.D.**

The looking glass study: The role of shared identity between mentor and mentee in academic outcomes

Undergraduate Student: **Maria Ximena Valenzuela**  
Graduate Student: **Lidia Y. Monjaras-Gaytan**  
Faculty Advisor: **Bernadette Sanchez, Ph.D.**

Does self-control predict considering future and immediate consequences? A moderation analysis

Undergraduate Student: **Nicole Olczyk**  
Graduate Student: **Rebecca McGarity-Palmer**  
Faculty Advisor: **Joe Ferrari, Ph.D.**

Exploring individual differences in older adults' perception of surprised faces

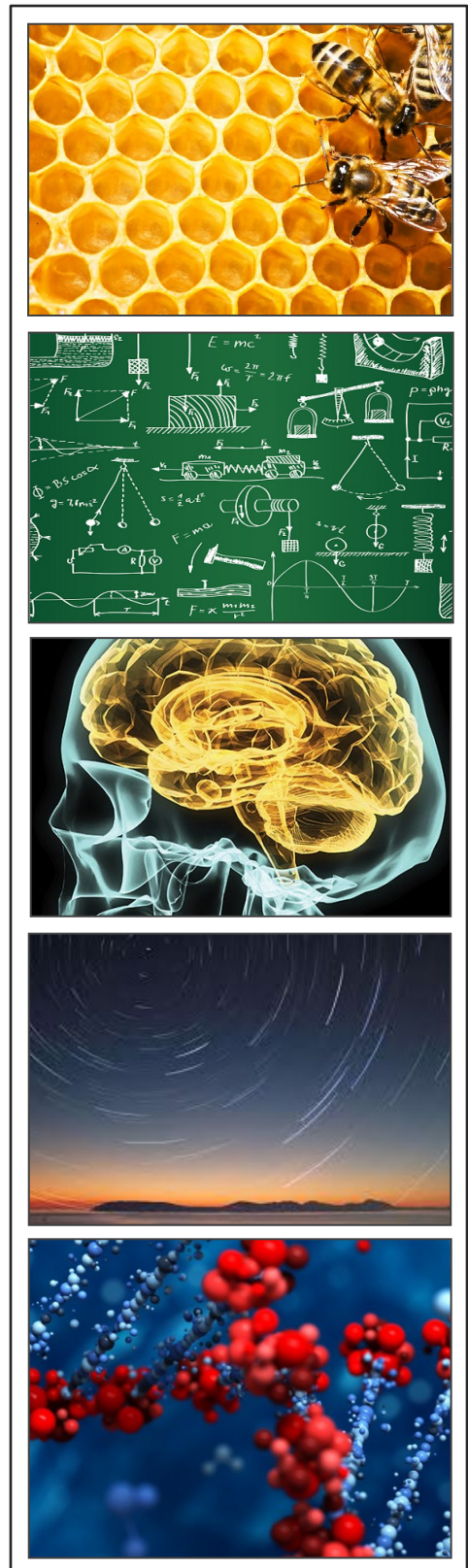
Undergraduate Student: **Rachel Bell**  
Graduate Student: **Nathaniel Young**  
Faculty Advisor: **Joseph Mikels, Ph.D.**

Support, adapt, succeed: The value of home and school social support on use of adaptive coping in low-income, urban, African American youth

Undergraduate Student: **Samantha Schwartz**  
Graduate Student: **Molly Cory**  
Faculty Advisor: **Kathryn Grant, Ph.D.**

Products as Pals: Mitigating the effects of social exclusion with AI

Undergraduate Student: **Shelby Muschler**  
Graduate Student: **Christopher Cole**  
Faculty Advisor: **Kimberly Quinn, Ph.D.**





## COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

### SON Faculty Serves as Guest Editor of Journal Supplement on Biosimilars



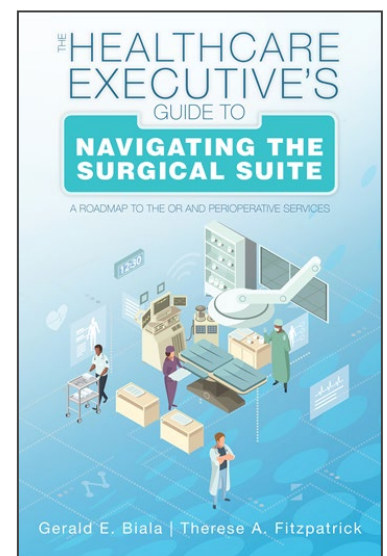
This fall, Assistant Professor of Nursing **Joseph D. Tariman, Ph.D., RN, ANP-BC, FAAN** served as guest editor for the supplement to the October 2018 issue of the [Clinical Journal of Oncology Nursing](#), an official publication of the Oncology Nursing Society. The supplement's special topic was biosimilars, a biologic medical product that is almost an identical copy of an original product that is manufactured by a different company. Biosimilars provide opportunities for improving healthcare access and outcomes and reducing overall healthcare costs for patients with cancer.

In addition, Dr. Tariman authored an article for the supplement, "Biosimilars: Exploring the History, Science, and Progress." The article explores the history of biosimilars, regulatory pathways, and the barriers to biosimilar approval. The article also aims to describe the patient and clinician barriers to biosimilars' use and the progress that has been achieved since the first biosimilar approval in Europe in 2006 and in the United States in 2015. Dr. Tariman conducted a literature review to retrieve articles that are highly relevant to the history of biosimilars' development and regulatory pathways in the United States, Europe, Asia, and Canada. He also includes patient and clinician perspectives on safety issues and concerns regarding immunogenicity and bioequivalence that limit use of biosimilars and finds that patient and provider concerns regarding immunologic patient safety issues – such as immunogenicity, lack of comparability, and low biosimilarity – still exist. He concludes that the clinical safety, efficacy, and tolerability of biosimilars are among the top concerns in patients, prescribers, and clinicians.

### SON Alumni Co-Author Book for Healthcare Executives

Through their leadership and consulting careers, DePaul's School of Nursing alumni **Gerald E. Biala, MSN, RN, CNOR, CSSM** and **Therese A. Fitzpatrick, PhD, RN, FAAN**, have introduced and mentored countless new executives in the strategic and operational environment of a successful surgical service business. In addition, Dr. Fitzpatrick continues to lend her expertise in service as Chair of the College of Science and Health Advisory Board.

In their recent publication, [The Healthcare Executive's Guide to Navigating the Surgical Suite: A Roadmap to the OR and Perioperative Services](#), they provide experienced and novice healthcare leaders with the information, leadership structures, and practical strategies needed to successfully oversee both patient outcomes and balance sheets. This book, published by the Sigma Theta Tau International Honor Society of Nursing, is the first book that provides healthcare executives with a comprehensive overview of the competitive landscape and unique market forces influencing and impacting surgical service specialties.



## COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

### Environmental Science Faculty Speaks at Sustainability Symposium in Rome

From October 2-3, Assistant Professor of Environmental Science and Studies **Bala Chaudhary, Ph.D.** participated in the Second Symposium on Global Sustainability. The symposium was organized by the Pázmány Péter Catholic University's (PPCU) Institute for Process Systems Engineering and Sustainability (IPSES) and was hosted by the Hungarian Academy in Rome. The Symposium brought together researchers from 20 different nations and key Vatican environmental advisors, including Dr. Tebaldo Vinciguerra and Fr. Joshtröm Kureethadam, SBD.



The IPSES and PPCU organized a multidisciplinary workgroup to develop a model that can be used to guide sustainability policies on issues at the global, regional, and local levels. It is the workgroup's intent to focus their considerable expertise on a major effort to find solutions to sustainability issues. They hope to develop powerful theories embedded in computer-based methods capable of finding combinations of policies, technologies, and practices that can create pathways for moving human society towards sustainability.

Dr. Chaudhary was invited to speak at the Symposium and meet with officials from the UN Food and Agriculture Organization and the Vatican Dicastery for Promoting Integral Human Development. Her talk entitled, "Illuminating the black box of soil ecological systems," highlighted her research on ways that plant-soil-microbe interactions can be enhanced to promote environmental sustainability.

Dr. Chaudhary is also extending CSH's international reach in other ways. She is part of a team that was awarded a £80,177 grant from the British Natural Resource Council to initiate an international collaboration to investigate global fungal spore dispersal with collaborators at the [University of York](#) in the United Kingdom.

### DePaul Chapter of the Society of Physics Students (SPS) Wins Outstanding Chapter Award



The DePaul University chapter of the Society of Physics Students (SPS) has won an Outstanding Chapter Award from the SPS National Office. This is the first time the chapter has been recognized for its excellence as a top-tier student-led physical sciences organization, a designation given to fewer than 10 percent of all SPS chapters at colleges and universities in the United States and internationally.

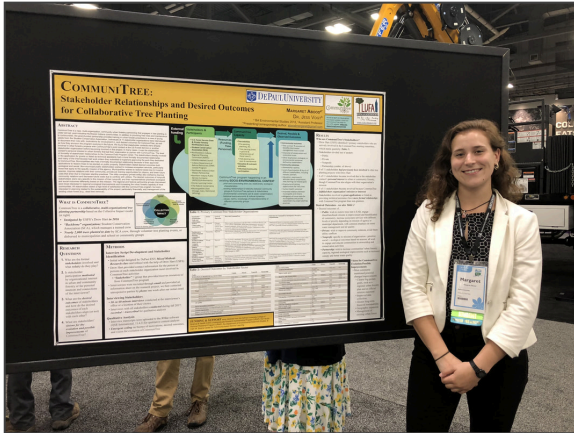
The SPS chapter at DePaul University is advised by **Jesús Pando, Ph.D.** and is led by student officers. The 2018-19 officers are: **Robert Coulson** (President), **Samantha Smiley** (Vice President), **Sinead Humphrey** (Secretary), **Matthew Mikota** (Treasurer), and **Aaila Ali** (Associate Zone Coordinator).

[The Society of Physics Students \(SPS\)](#) is a professional association designed for students, and membership is open to anyone interested in physics and related fields. SPS operates within the American Institute of Physics (AIP), an umbrella organization for professional physical science societies. SPS chapters are evaluated on their level of interaction with the campus community, the professional physics community, the public, and with SPS national programs. The Outstanding Chapter Award recognizes high levels of outreach as well as unique approaches to fulfilling the mission of SPS to "help students transform themselves into contributing members of the professional community."

# COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

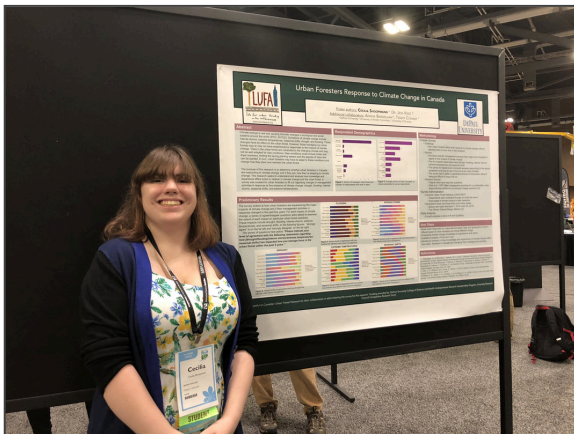
## Environmental Science & Studies at the International Society of Arboriculture Conference

In August, Assistant Professor of Environmental Science and Studies **Jess Vogt, Ph.D.** and students from her lab, Lab for Urban Forestry in the Anthropocene (LUFA), **Margaret Abood**, **Kaitlyn Pike**, and **Cecilia Shoopmann**, attended the 2018 International Society of Arboriculture (ISA) Conference in Columbus, Ohio.



Dr. Vogt and Margaret gave a talk about the [CommuniTree Evaluation Research Project](#) in a 40-minute presentation titled, "CommuniTree: Partnerships for tree planting and research in Northwest Indiana." See the PDF of their slides [here](#).

In addition, Margaret and Cecilia each presented research posters. Margaret's poster described the detailed results of the stakeholder interviews she's been conducting as part of the CommuniTree project, and Cecilia's poster summarized preliminary results of the lab's survey of Canadian urban foresters on their responses to [climate change](#). Margaret and Cecilia talked to many interested arborists and urban foresters about these projects, and both collaborated in the fall with Dr. Vogt and her colleagues to submit scholarly manuscripts based on these projects for publication.



Kaitlyn presented a 10-minute talk on her summer project and what will become her master's thesis research, "Tree preservation and construction" in Highland Park, IL. She was one of 5 students awarded a Student Travel Grant through [AREA](#), the Arboriculture Research and Education Academy, a component organization of ISA. AREA Travel Grants are normally awarded to Ph.D. or current master's students, but Kaitlyn got the award as a just-graduated B.A. student. Kaitlyn has also been awarded a Garden Club of America Zone IV Fellowship in Urban Forestry for her research on trees and construction conducted this past summer; a Robert Felix Memorial Scholarship from the TREE Fund to fund tuition for her master's degree at DePaul; and was awarded a Graduate Research Fellowship through the Morton Arboretum's Center for Tree Science in November to fund the duration of her master's research through spring 2020.



Lastly, Dr. Vogt was honored to be awarded the 2018 Early-Career Scientist Award as part of the ISA Awards of Distinction. See the video announcing her award [here](#).

Congratulations to Dr. Vogt, Margaret, Kaitlyn, and Cecilia!

# COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

## Fall Quarter CSH Department Highlights

Over the fall quarter, several members of CSH faculty and staff were broadly recognized for their work and expertise in their respective fields. Below is a sampling of some of these accomplishments and recognitions. For more information, please visit each center, school, or department's website.

### BIOLOGICAL SCIENCES

**Windsor Aguirre, Ph.D.** and **Jalene LaMontagne, Ph.D.** are collaborating on a global project called the [Global Urban Evolution \(GLUE\)](#) project, run by the University of Toronto Mississauga. The goal is to study the frequency of variation in hydrogen cyanide production in white clover along urban to rural transects in cities across the globe. Dr. Aguirre and Dr. LaMontagne sampled 45 sites around Chicago from the city to farmland in a northern direction, collected 20 clover plants per site, and are scoring the frequency of production of hydrogen cyanide at each site using a simple lab assay.

**Kenshu Shimada, Ph.D.** and Biological Sciences graduate students presented the following four research posters at the 78<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology in October:

- "Remains of an enigmatic Cretaceous bony fish, *Palaeonotopterus greenwoodi* (Teleostei, Osteoglossomorpha), from Alabama, U.S.A., and their stratigraphic and paleogeographic significance" by Riley Hacker, Maxwell London, and Kenshu Shimada.
- "A new pachyrhizodontid fish (Actinopterygii, Teleostei) from the Upper Cretaceous Eagle Ford Group of Texas, U.S.A." by Maxwell London and Kenshu Shimada.
- "Caudal fin of the Late Cretaceous shark, *Cretoxyrhina mantelli* (Lamniformes, Cretoxyrhinidae) morphometrically compared to that of extant lamniform sharks" by Phillip Sternes and Kenshu Shimada.
- "Ontogenetic growth pattern of the Late Cretaceous lamniform shark, *Cretodus 'crassidens'*, based on a skeletal remain from Kansas, U.S.A." by Kenshu Shimada and Michael Everhart.

### ENVIRONMENTAL SCIENCE & STUDIES

**Jess Vogt, Ph.D.** spent the month of August 2018 as a Visiting Foreign Expert in the International Lab of Henan Provincial Landscape Architecture in the College of Forestry at Henan Agricultural University in Zhengzhou, China. During her visit, Dr. Vogt gave talks on climate change and urban forests, transdisciplinary research, how to write a high-quality scientific paper, mixed methods research, and learned from her Chinese colleagues – and nearly 50 graduate students at the International Lab – about urban greening research and practice in China.

### HEALTH SCIENCES

**Jessica Jerome, Ph.D.** published "Much More Than a Clinic: Chicago's Free Health Centers: 1968-1972", for publication in *Medical Anthropology: Cross-Cultural Studies in Health and Illness*. The article is based on primary documents from the period about the health centers (one of which was run by the Young Lords, a Puerto-Rican group active in this neighborhood, and the other by the Black Panthers who were active on the west side of the city).

# COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

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## Fall Quarter CSH Department Highlights

### HEALTH SCIENCES (CONT.)

**Cricel Molina, Ph.D.** and students in her HLTH 380 - Health of Aging Populations class formed a team and raised \$840 for the Chicago Walk to End Alzheimer's 5K, which took place on October 28<sup>th</sup>. In the spirit of the season, their team was Demons Haunting Alzheimer's. It was freezing and early, but they proudly wore their DePaul gear and walked to support the Alzheimer's Association.

Adjunct faculty member **Jennifer Brothers, DrPH**, the local volunteer congressional district leader for ONE, an advocacy organization taking action to end extreme poverty and preventable disease, and two students ran a letter-writing event at Phoebe Robinson's book launch event last fall. ONE is currently working on a campaign to ensure Secretary of State Pompeo fully funds the United States' portion of the Global Fund budget this February. Part of that effort includes a letter writing campaign across the nation, and the three representatives from DePaul were able to get over 150 letters written.

### NURSING

To help address the shortage of licensed school nurses in the nation, the School of Nursing and the College of Education created a certificate program that takes just nine months to prepare Illinois registered nurses who already have bachelor's degrees to sit for the state licensure program. To earn the certificate, nurses take four online courses and complete an internship, supervised by a school nurse, at a K-12 school. After they complete the internship, students are eligible to take the exam for the Professional Educator License, a requirement for Illinois school nurses.

### PHYSICS

**Mary Bridget Kustusich, Ph.D.** co-directed the [Professional Development for Emerging Education Research \(PEER\) Program](#). The PEER program combines a 2-week intensive in-person workshop during the summer with long-term remote activities. During the summer workshop hosted at Rochester Institute of Technology, participants worked closely together to develop research questions, learn appropriate analytic techniques, and, when possible, explore data appropriate to their research questions. Afterwards, biweekly virtual meetings created a distributed, mentored research group to share analyses and develop ideas into publishable papers. This year, 17 emerging researchers from 13 institutions and 4 countries participated, including graduate students, postdocs, junior faculty, and more senior faculty shifting their research focus.

### PSYCHOLOGY

**Bernadette Sánchez, Ph.D.**, with other DePaul faculty and staff, presented *College Students Perceptions and Experiences in Service Learning* at the Service Learning Conference in the Dominican Republic. Dr. Sánchez also presented *Critical Mentoring as a Pathway to BHGH Cultural Fluency* to the Hope in Motion Conference for Boys Hope Girls Hope, St. Louis, MO in October.

# COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

## Fall Quarter CSH Department Highlights

### PSYCHOLOGY (CONT.)

**Suzanne Bell, Ph.D.** presented in Moscow to collaborators and space scientists at the Institute of Biomedical Problems in the Russian Academy of Science. Dr. Bell is the PI on a NASA-funded *US-Russian Collaboration: The Relationship Composition, Interpersonal Relations, and Team Effectiveness in Space Crews*, a trailblazing project that combines NASA-funded and Russian approaches to researching and managing space crews. In addition, Dr. Bell's research was featured in the September cover story in APA's *Monitor on Psychology*. Dr. Bell was invited to present a talk based on her research, *Composing Teams that are Out of this World*, to approximately 250 students and the local community by Millikin University. She also gave the invited address for the Women in Science Lecture at the Field Museum in December.

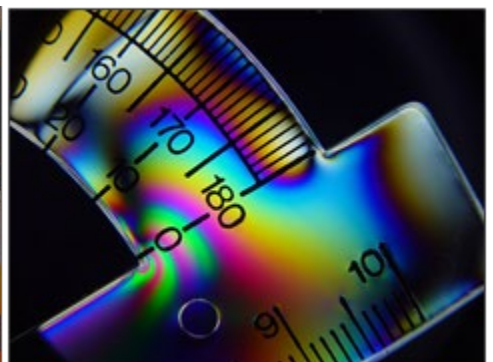
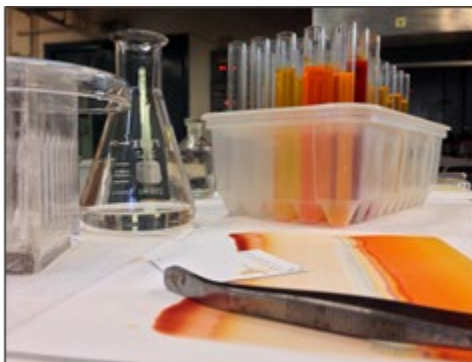
**Susan McMahon, Ph.D.** was a featured International Speaker at the 7<sup>th</sup> International Community Psychology Conference in Santiago, Chile. Over 800 global attendees of the conference focused on social justice, community intervention, and collective action.

**Goran Kuljanin, Ph.D.** presented *Data Science for I-O Psychology Research and Practice* at Chicago CTA Headquarters in December.

**Alice Stuhlmacher, Ph.D.** was invited by the University of Chicago, Department of Medicine's Women's Committee to present *Negotiation and Gender: Insights for the Medical Field*.

**Leonard Jason, Ph.D.** and **Dn. Joseph Ferrari, Ph.D.** discussed their experiences as first-generation college students in a [video](#) for the #firstGen story project.

**Dn. Joseph Ferrari, Ph.D.** completed certification as a Spiritual Director through the Center for Spirituality at Work (CSW) in Denver, CO. CSW forms directors with a Vincentian charism focus, offering spiritual 'soul friends' to the marginalized and poor. Dr. Ferrari works with Chicago and DuPage homeless adults. Dr. Ferrari also gave presentations at St. Joseph's College in Long Island, NY (*End Procrastination > Pause, > Ponder > Produce*, and *Community Psych as a Path Toward Social Justice*), Monarch Landing Senior Residence (Aurora, IL), Illinois MENSA Group (Chicago, IL), and Creative Living Series (Woodstock, IL).



## COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

### CSH Dean speaks with student employees at DePaul Telefund Telethon

This fall, College of Science and Health Interim Dean **Dorothy Kozlowski, Ph.D.** visited the DePaul Telefund office in the Loop campus during their annual telethon to meet with its student employees.

The DePaul Telefund program employs DePaul students who reach out to DePaul alumni to express and reinforce the mission of DePaul, keep the DePaul community informed of university news, explain the importance of annual giving, and solicit private gifts to support DePaul programs and students. Student employees of the Telefund program develop important professional skills,

have the opportunity to gain professional insights and build professional connections with DePaul alumni, and have the chance to make a large and direct impact at DePaul through fundraising.



### CSH Office of Advising Holds Annual Chili Cook Off



This year's contestants (L to R): **Michael Roberts, Paty Arreola-Lozano, Jennifer Salazar, Amanda Storyward**

Each November, in the spirit of taking time to gather around a warm and comforting meal and give thanks, the CSH Office of Advising and Student Services staff holds its annual office chili cook off. This year's competition was heated: not only did OASS open up the competition for staff from the Office of the Dean, but the contestants cooked-up several kinds of chili, including a vegetarian option.

After three-year reigning as Chili Cook Off Champion, Michael Roberts was dethroned. This year, Associate Director of Graduate Student Services **Paty Arreola-Lozano** took the top prize with her top-secret chili recipe. Paty won the coveted Chili Cook-Off trophy to proudly display at her desk for a year, until it is passed on to the next chili champion.

## COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

### CSH Celebrates Brenda's Retirement

In September, CSH bid farewell to a cherished colleague and friend, **Brenda Yates**, as she celebrated her retirement after sixteen years of service at DePaul. Brenda was an integral member of the Facility Operations team and supported operations in two CSH buildings, McGowan North and McGowan South.

Born in Mason, Tennessee, Brenda moved to Chicago when she was a teenager. After working in the insurance industry for several years, Brenda began a career at the Chicago Board of Education, which fit with her passion for education. "I have always been an advocate for education. I didn't finish school, but I come from an educated family, and I've always known the importance of education," Brenda says.

While working for the Board of Education, Brenda joined DePaul as part of the crew who clean the dorm rooms during the summer. After forming great relationships with the team, Brenda decided to stay at DePaul full time with a role in the Athletics department.

As anyone who met Brenda can attest, the daily interactions with students, faculty, and staff were her favorite part of her job. "I will miss coming in every day and giving everyone a smile, wishing them a wonderful day, and them giving the very same thing to me." She adds, "The sciences are different, they're special. I'm going to miss the team effort to get things done."

As for her future plans, Brenda hopes to stay active. "I will definitely keep moving and being interactive with people. I don't know where I'm going to end up, but I will definitely be volunteering and keeping busy." She also hopes to travel; if she could go anywhere in the world, she would go to Haiti. "I like the humanitarian missions going on there that help the needy, and I would like to go and do whatever I could to help."



### A CSH ALUM REFLECTS ON BRENDA'S IMPACT

Ms. Brenda Yates has been a pivotal family member to the McGowan community. Back in 2010, I remember failing my first biology exam. I sat on a McGowan South couch devastated, questioning my competence and deciding whether to quit science while I was ahead or somehow continue. At this moment, Ms. Yates approached me during her rounds and introduced herself as 'Grandma.' She then relayed her pride in all her science students' efforts, noting that we are all such hard workers who never get enough credit and hoped that one day others would take notice. With the biggest smile, she wished me luck and left. From that conversation, I decided to persevere and made a mental note to tell her when I graduated how much she changed the course of my life. Because of her, I finished with a biology degree cum laude in 2014 and entered a Ph.D. program at Rosalind Franklin University. Brenda, my Grandma McGowan, has demonstrated that a stranger's kindness can be potent and leave positive ripples in the lives of others. – **Max Loh**



# COLLEGE OF SCIENCE AND HEALTH AWARDS, RECOGNITIONS & APPOINTMENTS

## Elizabeth Aquino Appointed 2018-2019 Diversity Advocate for CSH

Assistant Professor of Nursing **Elizabeth Aquino, Ph.D., RN** has been appointed the 2018-2019 Diversity Advocate within CSH by the Dean.

Elizabeth has extensive experience serving on diversity focused boards and committees both locally and nationally, and has demonstrated a commitment to addressing diversity through her service at DePaul and through her volunteer service with various non-profit organizations. Her vision for this role “is to serve as a trusted resource so that individuals feel comfortable discussing their experiences so that I can help bring any issues to light and they can be addressed.” The Diversity Advocate is charged to:



- Serve as a point of contact to individuals within the CSH community who feel marginalized for diversity-related reasons
- Maintain an awareness of faculty and staff searches that are being conducted within the college and serving as a resource for the search committee(s)
- Suggest changes to policies, practices, and procedures within the college that increase inclusiveness
- Hold at least one event per year within the college that promotes the value of diversity and inclusion

## DIVERSITY ADVOCATE MESSAGE

Diversity and inclusion has been a hot topic in recent years, and we are all well aware that people from diverse backgrounds have been fighting for inclusion and equity for centuries. Although there is still so much work that *must be done*, some are experiencing “diversity fatigue”. I encourage you to take a moment to read this short article entitled [Diversity Fatigue is Real](#). Dr. Lam emphasizes that *diversity work* is necessary but there are many challenges for the few people who tend to dedicate their time to this effort. To relieve diversity fatigue, it is imperative for everyone to involve themselves in *diversity work* not just within the university but within their daily lives. Fatigue is not an option if we want to see change. I want to thank all of the faculty and staff who have actively participated in *diversity work*...your commitment to creating a more inclusive and equitable environment for all is appreciated not only by those who experience the changes but also by future generations to come.

In an effort to recognize and share the progress that is being made by CSH faculty and staff, please [email me](#) if you would like your diversity related work (in and outside of DePaul) to be highlighted in the next CSH newsletter.

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*“Meaningful diversity work cannot be seen as something that is supplemental or remedial, or touted only in times of crisis or promotion. Diversity is not philanthropy. For diversity work to thrive, it needs to be part of everyday life on campus — for everybody.”*

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Mariam B. Lam, Associate Vice Chancellor & Chief Diversity Officer at University of California Riverside

# COLLEGE OF SCIENCE AND HEALTH AWARDS, RECOGNITIONS & APPOINTMENTS

## Winter/Spring 2019 Undergraduate Research Assistant Program Recipients

The Undergraduate Research Assistantship Program (URAP) provides financial support to undergraduate students to actively engage in scientific research through assisting and collaborating with faculty members in their research. The faculty and student recipients for the 2019 winter and spring quarters are:

**Margaret Bell, Ph.D.**

**Debbie Liberman**

Effects of developmental polychlorinated biphenyls exposure on neuroimmune gene and protein expression in rat brains

**Sarah Connolly, Ph.D.**

**Mildred Devereux**

Analysis of a small molecule inhibitor of the herpesvirus fusion protein

**Eiron Cudaback, Ph.D.**

**David Graykowski**

APOE and NEP

**Gabriela Gonzalez Aviles, Ph.D.**

**Zachary Balaskovits**

Analysis of flash-sintering diffraction data on complex oxides

**Gabriela Gonzalez Aviles, Ph.D.**

**Kurt Edlund**

Determining the local atomic structure of amorphous semiconducting oxides

**Gabriela Gonzalez Aviles, Ph.D.**

**Daniah Ibrahim**

Phase transformations and atomic structure of hydroxyapatite (synthetic bone) powders

**Kathryn Grant, Ph.D.**

**Savitri Lazarus**

Quantitative and qualitative evaluation of Cities Mentor Project

**Kyle Grice, Ph.D.**

**Lucieanna Wolf**

Examination of the effects of complex solvents on CO<sub>2</sub> reduction electrocatalysis

**Leonard Jason, Ph.D.**

**Gabrielle Lynch**

A social network analysis of recovery homes

**Caitlin Karver, Ph.D.**

**Grant Andersen**

Second generation FRET-based substrates for inflammatory caspases

**Christie Klimas, Ph.D.**

**Carmen Valencia**

Comparing *Carapa guianensis* seed production in 3 Amazonian forests

**Goran Kuljanin, Ph.D.**

**Madison Crompvoets**

**Caroline Moscatti**

Applying advanced quantitative methods for examining psychological processes and behaviors

**Jalene LaMontagne, Ph.D.**

**Bre Connolly**

Raccoon behavior across levels of urbanization

**Ida Salusky, Ph.D.**

**Grisel Lopez-Alvarez**

Social identity and cohesion among first-generation college students: A qualitative study

**Kenshu Shimada, Ph.D.**

**Amanda Alt**

A nearly complete articulated tooth set of the late cretaceous shark, *Ptychodus marginalis*, and its paleobiological implications

**Kenshu Shimada, Ph.D.**

**Alexandra Krak**

Reconstructing the dentition of extinct megamouth shark, *Megachasma applegatei*, based on an assemblage of isolated teeth from southern California

**Kenshu Shimada, Ph.D.**

**Nora Westman**

Neurocranial morphology of sharks in relation to their ecology

**Margaret Silliker, Ph.D.**

**Taylor Harris**

Sequence analysis of genes expressed post-mating in *Didymium iridis*

**Alice Stuhlmacher, Ph.D.**

**Alanna Mullen**

Workplace negotiation

**Jess Vogt, Ph.D.**

**Cecilia Shoopmann**

Canadian urban foresters' response to climate change

# COLLEGE OF SCIENCE AND HEALTH FALL PUBLICATIONS

## Fall Quarter CSH Faculty Publications

### Suzanne Bell, Ph.D.

Bell, S.T., Brown, S.G., Colaneri, T., & Outland, N. (2018). Team Composition and the ABCs of Teamwork. *American Psychologist*, 73, 349-362.

Bell, S.T., Brown, S.G., & Weiss, J. (2018). A Conceptual Framework for Leveraging Team Composition Decisions to Build Human Capital. *Human Resource Management Review*, 28, 450-463.

Bell, S.T., Fisher, D., Brown, S., & Mann, K. (2018). An Approach for Conducting Actionable Research with Extreme Teams. *Journal of Management*, 44, 2740-2765.

### Doug Bruce, Ph.D.

Bruce, D., Bauermeister, J.A., Kahana, S.Y., Mendoza, E. U, Fernández, M.I., & the ATN. (2018). Correlates of serodiscordant condomless anal intercourse among virally unsuppressed HIV-positive young men who have sex with men. *AIDS and Behavior*, first published online June 6, 2018. DOI: 10.1007/s10461-018-2183.

### Jason Bystrianky, Ph.D.

Zlatev, D.B., Lordon, M.C., Schremp, E.A., Steffen, A.C., Grecco, A.E., Bystriansky, J.S., & LaMontagne, J.M. Clam community composition and prey shell size impacts moon snail (Gastropod: Naticidae) drilling frequencies in South Carolina, USA. *Marine Ecology*. In press.

### Sarah Connolly, Ph.D.

Fan, Q., Kopp, S.J., Connolly S.A., & Longnecker R. (2018). Natural selection of glycoprotein B (gB) mutations that rescue the small plaque phenotype of a fusion-impaired herpes simplex virus (HSV) mutant. *mBio*. In press.

### Dn. Joseph Ferrari, Ph.D.

Ferrari, J.R. (2018). Spiritual retreats with urban homeless adults. In K.J. Linfield & E.J. Posavac (Eds.). *Program evaluation: Methods and case studies*. Philadelphia, PA: Routledge

Ferrari, J.R. & Crum, K.P. (2018). 'Somos pobres, urbanos, y grandes?' Examining sense of community among Hispanic Catholic parishes by economic status, location-size, and family size. *Journal of Prevention & Intervention of Community*, 46, 425-436.

Ferrari, J.R., & Guerrero, M. (2018). "My dad, the deacon": Assessing personality dimensions as predictors of number and gender of married Catholic clergy with children. *Journal of Spirituality in Mental Health*, 20, 185-197.

### Megan Greeson, Ph.D.

Greeson, M.R., Soibatian, C., & Houston-Kolnik, J.D. (2018). The influence of community sociocultural context on creating an effective, coordinated response to sexual assault. *Psychology of Women Quarterly*, 42(4), 445-460.

### Fall Quarter CSH Faculty Publications

#### Leonard Jason, Ph.D.

Sunnquist, M., & Jason, L.A. (2018). A reexamination of the cognitive behavioral model of chronic fatigue syndrome. *Journal of Clinical Psychology*, 74, 1234–1245.

Ruiz, L., McMahon, S., & Jason, L.A. (2018). The role of neighborhood context and school climate in school-level academic achievement. *American Journal of Community Psychology*, 61, 296–309.

Jason, L.A., Luna, R.D., Alvarez, J., & Stevens, E. (2018). Collectivism and individualism in Latino recovery homes. *Journal of Ethnicity in Substance Abuse*, 17, 3, 223-236.

Gleason, K.D., Stoothoff, J., McClellan, D., McManimen, S., Thorpe, T., Katz, B.Z., & Jason, L.A. (2018). Operationalizing substantial reduction in functioning among young adults with chronic fatigue syndrome. *International Journal of Behavioral Medicine*, 25, 448–455.

Sunnquist, M., Huber, K., & Jason, L.A. (2018). Identifying subtypes of ME and CFS: A rebuttal. *Fatigue: Biomedicine, Health & Behavior*, 6, 237-238.

McManimen, S.L., Stoothoff, J., McClellan, D., & Jason, L.A. (2018). Effects of unsupportive social interactions, stigma, and symptoms on patients with Myalgic Encephalomyelitis and Chronic Fatigue Syndrome. *Journal of Community Psychology*, 46, 959-971.

Jason, L.A., & Sunnquist, M. (2018). The development of the DePaul Symptom Questionnaire: Original, expanded, brief and pediatric versions. *Frontiers in Pediatrics*, 6:330.

Levinson, A.H., Ma, M., Jason, L.A., Lee, J.G.L., Landrine, H., Glueck, D., & DiFranza, J.R. (2018). Assessment of the US federal retailer violation rate as an estimate of the proportion of retailers that illegally sell tobacco to adolescents. *JAMA Pediatrics*, 172(10), 966-972.

#### Gregory Kharas, Ph.D.

Kharas, G.B., Shinde, N., Jody, J.K., Mosher, E.K., Kaur, N., Oriol, A.A.R., Perez, D.M., Ranganathan, R., Renteria, A., Rydbom, T.A., Yeager, C., & Schjerven, W.S. (2018) Synthesis and styrene copolymerization of novel trisubstituted ethylenes: 3. Alkoxy ring-substituted isopropyl 2-cyano-3-phenyl-2-propenoates, *Designed Monomers and Polymers*, 21:1, 163-171, DOI: 10.1080/15685551.2018.1531961

Humanski, K.E., Patterson, S.D., Pecorin, P.J., Perfitt, M.M., Romero, J., Sassack, W.R., Sweeney, S.M., Talwar, C.O., Tolentino, D.A., Wilson, M.E., Schjerven, W.S., & Kharas, G.B. (2018) Synthesis and styrene copolymerization of novel trisubstituted ethylenes: 11. Halogen ring-substituted propyl 2-cyano-3-phenyl-2-propenoates, *Journal of Macromolecular Science, Part A*, DOI: 10.1080/10601325.2018.1526639

# COLLEGE OF SCIENCE AND HEALTH FALL PUBLICATIONS

## Fall Quarter CSH Faculty Publications

### Craig Klugman, Ph.D.

Klugman C.M., Dunn L., Schwartz J., Cohen I.G. (2018). The Ethics of Smart Pills and Self-Acting Devices: Autonomy, Truth-Telling, and Trust at the Dawn of Digital Medicine. *American Journal of Bioethics* 18(9): 38-47.

Klugman C.M. (2018). The Health Humanities and the Future of Publishing. *Humanities Futures*.  
<https://humanitiesfutures.org/papers/the-health-humanities-and-the-future-of-publishing/>

Klugman C.M., Dunn L., Schwartz J., Cohen I.G. (2018). Response to Open Peer Commentaries on “The Ethics of Smart Pills and Self-Acting Devices: Autonomy, Truth-Telling, and Trust at the Dawn of Digital Medicine” [Invited author’s reply]. *American Journal of Bioethics* 18 (10): W4-W7.

### Jalene LaMontagne, Ph.D.

Zlatev, D.B., Lordon, M.C., Schremp, E.A., Steffen, A.C., Grecco, A.E., Bystriansky, J.S., & LaMontagne, J.M. Clam community composition and prey shell size impacts moon snail (Gastropod: Naticidae) drilling frequencies in South Carolina, USA. *Marine Ecology*. In press.

### Susan D. McMahon, Ph.D.

Coker, C., Martinez, A., McMahon, S. D., Cohen, J., & Thapa, A. (2018). Perceptions of school climate: The role of extracurricular activities. In K-A. Allen & C. Boyle (Eds.) *Pathways to Belonging: Contemporary Research in School Belonging* (pp. 45-64). Leiden, The Netherlands: Brill | Sense.

Reddy, L.A., Espelage, D. L., Anderman, E. M., Kanrich, J., & McMahon, S.D. (2018). Addressing violence against educators through measurement and research. *Aggression and Violent Behavior*, 42, 9-28.

McMahon, S.D. (2018). Schools as vehicles to assess experiences, improve outcomes, and effect social change. *American Journal of Community Psychology*, 61, 267-275.

Anderman, E., Espelage, D., Reddy, L., McMahon, S.D., Martinez, A., Lane, K.L., Reynolds, C., & Paul, N. (2018). Teachers' reactions to experiences of violence: An attributional analysis. *Social Psychology of Education*, 21, 621-653.

Ruiz, L., McMahon, S.D., & Jason, L.A. (2018). The role of neighborhood context and school climate in school-level academic achievement. *American Journal of Community Psychology*, 61, 296–309.

# COLLEGE OF SCIENCE AND HEALTH FALL GRANTS

## New External Grants



**Kathryn Grant, Ph.D.**

*An Interpersonal Relationships Intervention for Improving Cardiovascular Health in Youth*  
\$1,500,000

National Heart, Lung, & Blood Institute

Dr. Grant received two sub-awards as part of a grant from the National Heart, Lung, & Blood Health Institute to investigate the role of interpersonal relationships in improving the cardiovascular health of youths.



**Orson Morrison, PsyD**

*Healing Trauma Together*

\$225,000

Chicago Board of Education

DePaul University will provide experienced therapists to provide trauma-informed TIER 3 counseling services in 10 schools.

*Social Emotional Learning Services for Nixon Elementary School*

\$11,500

Chicago Board of Education

DePaul University will provide experienced trainer(s) to provide Child-Adult Relationship Enhancement (CARE) trainings and coaching.



**Windsor Aguirre, Ph.D.**

*Conservation Genomics and Caribbean Fisheries Management: Stock Structure and Connectivity of Four Parrotfish Species and the Role of MPAs as Recruitment Sources*  
\$60,674

National Oceanic and Atmospheric Administration

Dr. Aguirre will oversee all genetic work for this study and work closely with the graduate student assigned to this project. Dr. Aguirre will mentor, advise and guide the student for the duration of this project and the completion of his/her graduate degree. He will also provide assistance with sampling and coordinate sample shipping.

## COLLEGE OF SCIENCE AND HEALTH FALL GRANTS

### New External Grants



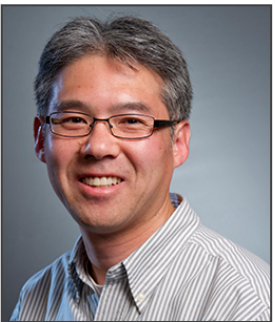
**Desale Habtezgi, Ph.D.**

*Statistical Analysis for Teradyne*

\$45,000

*Teradyne, Inc.*

Develop a user-friendly customized software that provides failure analysis for select Teradyne, Inc. equipment that includes data input interface, survival analysis, failure prediction and failure analysis using generalized linear modeling.



**Kenshu Shimada, Ph.D.**

*Biogeochemical fingerprinting of the megatoothed ("megalodon") shark: a dual study in thermophysiological evolution and seawater chemistry*

\$36,856

*National Science Foundation*

This project explores the evolutionary history of endothermy within lamniform sharks using a coupled paleoecological and geochemical framework.



**Carolyn Narasimhan, Ph.D.**

*Louis Stokes Alliance for Minority Participation*

\$18,000

*National Science Foundation*

Continue the Louis Stokes Alliance for Minority Participation (LSAMP) Research Scholars Program, funding new or existing LSAMP Scholars with research stipends.

## COLLEGE OF SCIENCE AND HEALTH FALL GRANTS

### Vincentian Endowment Fund Grants Awarded to Members of CSH

Now entering its 27<sup>th</sup> year, the Vincentian Endowment Fund (VEF) awarded grants this fall to 19 projects from faculty, staff, and students totaling over \$82,000. Since its inception in 1992, the VEF has awarded 450 grants totaling just under \$2 million, as well as another 288 discretionary grants totaling nearly \$330,000. VEF grant funds often serve as seed money to develop a new mission-based project or concept model. Grant funds also have helped supplement other funding to make one-time mission-related events or research projects possible, or to fund DePaul-sponsored community engagement work.

A fixed amount of total funds is made available each year based on interest accrued from an endowed fund that supports the program. Each fall, the VEF Board puts out a request for principal grants, those in excess of \$1,500, to the university community, which then move through a formal review process. In addition, a limited number of discretionary grants under \$1,500 are awarded on a rolling basis throughout the year until all funds are depleted for that fiscal year.

This year's principal grants reflect the spirit of VEF, as well as the broad range of grants awarded in the defined categories of Catholic identity, community service, diversity, Vincentian heritage, legal service, service to students and university ministry.

Congratulations to the following CSH members whose projects were selected for VEF funding this year:

Associate Professor of Environmental Science and Studies **Mark Potosnak, Ph.D.** and **Amanda Thompson**, director of Catholic Campus Ministry, will host a weekend retreat for faculty, staff and students based on Pope Francis' 2015 encyclical, "Laudato 'si.'" The second encyclical of Pope Francis has the subtitle "On care for our common home."

**Isidore Udoh**, an adjunct faculty member in the Department of Environmental Science and Studies, will lead a project aimed at building a broad partnership among DePaul faculty and students, and counterparts at the University of Uyo in Nigeria, as well as key community-based organizations and citizen groups.

**Leonard Jason, Ph.D.** will work to create an open-source textbook on community psychology, collaborating with professors, practitioners and students in the field of community psychology at DePaul, across the United States and internationally.

The "Male Mentoring Collaborative Project," proposed by **Bernadette Sanchez, Ph.D.**, brings together the College of Science and Health, the Center for Access and Attainment, and the Office of Multicultural Student Success to provide training to campus and community practitioners leading male mentoring programs.

"Collaborative Initiative: Asylum Evaluation Training Program," a project led by **Ida Salusky, Ph.D.**, aims to increase the availability of high quality mental health evaluations for individuals seeking legal asylum.

"What Must be Done? An Urban Garden Project," proposed by student **Tyler Bogartz-Brown**, will enable an upgrade and needed repairs for DePaul's existing urban garden in Lincoln Park. The project aims to ensure the garden continues to be an asset for the entire university community.



## COLLEGE OF SCIENCE AND HEALTH – UPCOMING EVENTS AND CALENDAR

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- March 22** *Grace Peterson Research Colloquium.* A long-established tradition at DePaul is for School of Nursing students to formally present their research prior to graduation. In 2005, the School of Nursing adopted a resolution that such occasions be forever known as the Grace Peterson Research Colloquium in honor of Grace Peterson, MA, RN, a generous benefactor who established a scholarship fund to support student and faculty research. This event celebrates the hard work and research of our students throughout their tenure in their respective program. Lincoln Park Student Center 120AB, 9:30 am – 11:30 am
- Nursing Honors and Pinning Ceremony.* The Nursing Honors and Pinning Ceremony is an event that celebrates the achievements of all graduating Nursing students. In addition to the presentation of a variety of student awards, students who are completing their first nursing degree will receive a pin, a tradition that marks their transition into the nursing profession. Lincoln Park Student Center 120AB, 2 pm – 3:30 pm
- March 28-30** [8th Annual International Health Humanities Meeting.](#) This organization is dedicated to promoting interdisciplinary scholarship, education and practice at the intersection of health, illness, healthcare through the humanities, fine arts, and social sciences. This meeting will bring together over 100 scholars, educators, and practitioners of the Health Humanities from throughout the world to share their research and programs.
- April 8** [Undergraduate Summer Research Program \(USRP\)](#) applications due
- April 13** [2019 Chicago Area Undergraduate Research Showcase.](#) Robert H. Lurie Medical Research Center of Northwestern University, 9 am
- April 26** *CSH Spring Colloquium.* This colloquium will feature research presentations by **Jingjing Kipp, Ph.D.** and **Susan Tran, Ph.D.** and a discussion with lunch provided. RSVP to [CSHResearch@depaul.edu](mailto:CSHResearch@depaul.edu) by April 19. McGowan South 404, 12:15 pm – 1:30 pm
- New Faculty Seminar Plus. McGowan South 402, 1:30 pm – 3 pm
- May 1** [Undergraduate Research Assistant Program \(URAP\)](#) applications due (Summer/Fall '19)
- May 10** *CSH Spring Quarter College Meeting.* McGowan South, 2:30 pm – 4:30 pm
- May 15** [Graduate Research Fund \(GRF\)](#) applications due

If you have an idea for features, honors, awards, events, and/or news items that you would like considered, please send them to [CSHDean@depaul.edu](mailto:CSHDean@depaul.edu), or contact the CSH Newsletter Publication Editors [Kurtis Todd](#) and [Susan McMahon](#).

**Thank you to Steven Reese and all contributors for your work on this newsletter!**



**COLLEGE OF  
SCIENCE AND  
HEALTH**

Winter 2019 Newsletter