



**GERALD P. KOOCHEER,
PH.D., ABPP
DEAN AND PROFESSOR
OF PSYCHOLOGY**

WELCOME

As the seasons change heralding a new beginning, so too does the College of Science and Health constantly renew and refresh. We know that one purpose of the scientific method is to discern the activities by which success is achieved. Often characterized by systematic observation and experimentation, inductive and deductive reasoning, and the formation and testing of a hypothesis, the scientific method has been instrumental to developing the advancements that fuel a better world.



This fall, CSH has engaged with the broader university in a strategic planning process similar in design to the scientific method. Conversations within the college among many levels and from many perspectives have been occurring. CSH has been delighted to participate in this planning process, envisioning new endeavors and augmenting existing strengths. This edition of the CSH newsletter highlights many of these discussions embodying fresh thinking, along with a few new and evolving resources to support CSH activities.

Please enjoy!

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COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

A. Gabriel Esteban, Ph.D. inaugurated as DePaul University's 12th president

On November 19, **A. Gabriel Esteban, Ph.D.**, the first lay leader in DePaul's 119-year history, was inaugurated as the University's 12th president at Navy Pier's Grand Ballroom. During the formal ceremony, the board of trustees officially entrusted Dr. Esteban with DePaul's mission statement and the presidential Chain of Office.

In his remarks, Dr. Esteban affirmed his commitment to DePaul's Catholic Vincentian mission to provide a superior education to all, especially segments of society that previously have not had access to it, including the poor, first-generation college students, and immigrants. Citing the DePaul community's commitment to service, inclusivity, innovation, and academic excellence, Dr. Esteban predicted that "DePaul will continue to thrive and prevail for the next 120 years and beyond." The rapidly growing fields of Health and Science will be important components in shaping DePaul's future.



DePaul's new president visits the College of Science and Health

As part of his tour of DePaul's ten colleges and schools leading up to his official inauguration as President of DePaul, **A. Gabriel Esteban, Ph.D.** visited the College of Science and Health to engage multiple levels of CSH administrative leadership in several strategic planning discussions.



Associate Dean for External Relations **Dr. Phillip Funk** and Associate Dean for Administration **Dr. Richard Niedziela** helped Dr. Esteban and his wife, Josephine, get acquainted with some of the spaces and faces at CSH, including a visit to a Chemistry lab with **Dr. Kyle A. Grice** and **Dr. Charles Rubert Perez**.

Dr. Esteban also met with several groups of CSH faculty and staff, including Associate Deans, Assistant Deans, and Department Chairs and Center Directors, who presented information and shared their perspectives regarding CSH strengths and challenges.



COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

CSH Autumn Quarter College Meeting



On October 4, CSH held its Autumn Quarter College Meeting.

DePaul's Executive Vice President, **Jeffrey Bethke**, provided an update on the university's budget citing challenges and opportunities for CSH.

CSH was also pleased to welcome incoming DePaul University President, **A. Gabriel Esteban, Ph.D.**, to the meeting and facilitated a Q&A with faculty and staff. Dr. Esteban discussed the strategic goals and objectives that will be decided upon by the planning teams and Strategic Planning Task Force in the coming months, and how these objectives will inform his plans for the university's organizational structure, research, diversity, and retention as DePaul's new president.



Dr. Suzanne Bell, Industrial and Organizational Psychologist and recipient of the Mid-Career Excellence in Research Award, presented her research on how the mix of team members, or team composition, relates to team effectiveness. Her expertise has led to NASA-funded research in which she and her collaborators are creating a predictive team composition model for long-distance space exploration such as Mission to Mars.

Professor of Clinical Psychology **Dr. W. LaVome Robinson** was honored with the Excellence in Research Award. Her research career spans over 35 years and has been focused on school-based preventive interventions for low-income, urban African-American youth. She has developed and tested violence prevention and depressive prevention interventions that assist at-risk youth in developing effective coping skills that are culturally integrated, thereby facilitating their adaptation and sustained effectiveness. Dr. Robinson has published 43 peer-reviewed articles and book chapters, and her work is undeniably valuable because of its quality, innovation, and impact.



The next CSH College Meeting will be held Thursday, February 22 in McGowan South, 3pm - 5pm.

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

CSH appointments made to strategic planning teams and task force

President **A. Gabriel Esteban, Ph.D.** selected membership from across DePaul to serve on four, eight-member planning teams and an 18-member Strategic Planning Task Force. The planning teams are charged with reviewing planning guidelines established by the Board of Trustees to recommend strategic goals and objectives in their respective focal areas:

- Mission/Student Experience
- Enrollment/Student Success
- Academic Programs/Faculty Development
- Financial Performance/DePaul's Sustainability

"Any plan worth doing has to come from the people who will be doing it."

President A. Gabriel Esteban, Ph.D.

The Strategic Planning Task Force will synthesize and prioritize the work of the teams and, with input from the university community, develop a draft plan for the president's review. The initial draft is scheduled to be presented to the Board of Trustees at its March 2018 meeting. That draft will be revised with university and board input during the spring, and a final plan will be taken to the board in May 2018 for its approval.

Congratulations to the selected CSH representatives:



Strategic Planning Task Force

Dr. Joseph Mikels, Associate Professor, Psychology

Planning Team Delta: Financial Performance/DePaul's Sustainability

Dr. Kathryn Grant, Professor, Clinical Psychology

Kurtis Todd, Executive Assistant, Office of the Dean

Delta Team Subgroup: Cost Management and Reinvestment Strategies

Jennifer Wronkiewicz, Assistant Dean for Finance and Administration, Office of the Dean

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

College of Science and Health Strategic Insights

As we develop, expand, and advance our various strategic planning initiatives, CSH has focused on the following principles, strategies, programs, and processes. These initiatives were presented by faculty and staff to President **A. Gabriel Esteban, Ph.D.** during his college visit and reinforced at the CSH Autumn Quarter Meeting.

Supporting Student and Faculty Research Success and National Recognition

Marketing and disseminating student research grants: Undergraduate (Undergraduate Research Assistant Program, Undergraduate Summer Research Program, Rosalind Franklin University of Medicine and Science Summer Research Program) & Graduate (Graduate Research Fund, Doctoral & Undergraduate Opportunities for Study) • Showcasing student research through the Science and Mathematics Undergraduate Research Showcase and *DePaul Discoveries* Undergraduate Research Journal • Supporting internal and external faculty research grants • Enhancing Faculty Summer Research Grants • Creating a Diversity Faculty Fellowship • Building national and international recognition through faculty publications and presentations

Supporting Student Engagement and Success, as well as Establishing More Efficient and Effective Advising

Growing innovative and competitive Dean's Undergraduate Fellowship • Creating new CSH Study Abroad opportunities • Addressing unique needs of commuter students • Improving transfer students' academic success • Increasing enrollment in the Pre-health Program and Pathway Honors Program

Building International and Innovative Program Initiatives

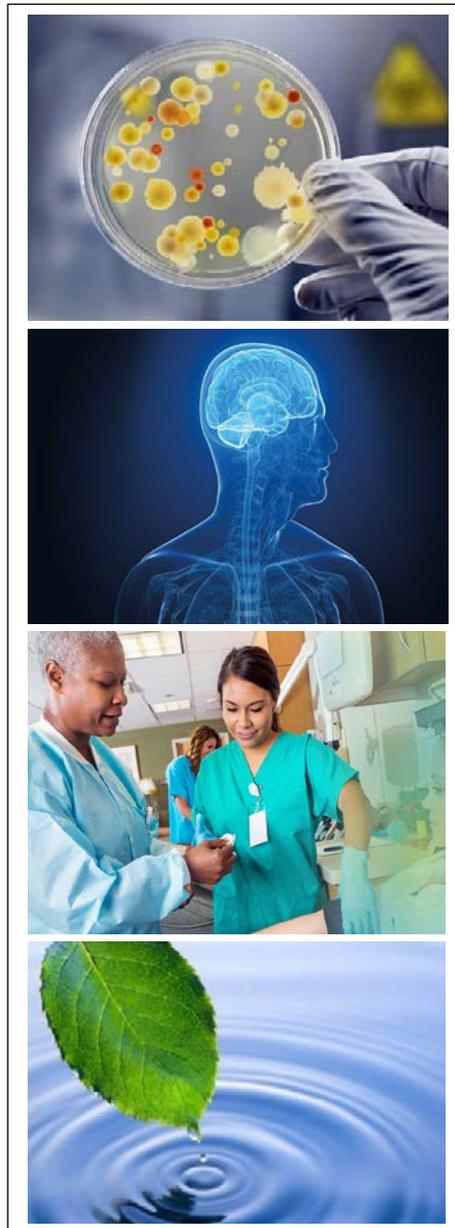
Growing Pathways Honors as a connection to RFUMS health professions and science, outcomes, and structure • Internationalizing science curricula • Developing high quality new programs to meet student needs and interests • Collaborating across discipline, department, and college boundaries

Incorporating Data Analysis and Enhancing Quality Facilities

Embracing the use of institutional data in the college's decision making processes • Maintaining a fleet of research-grade instrumentation/equipment to support teaching and research efforts • Evaluating and addressing facility safety concerns and implementing emergency plans

Maintaining Fiscal Stewardship

Allocating resources to support initiatives and goals across the College, departments and programs • Reviewing operations to ensure efficiency and effectiveness • Supporting faculty, staff, and students



COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

The Department of Chemistry has changed its name to The Department of Chemistry and Biochemistry

The etymology of the word chemistry has long been debatable, but most historians agree on two things: (1) Egyptians were the first chemists, and (2) the word "chemistry" can be traced back to a partial root "alchemy," an Arabic language derivation. However, there is less agreement on the derivation of the specific root "chem."

This disagreement among different literary approaches offers a glimpse and assists our understanding of the emergence of varying paths of chemistry specialization, such as those derived from Chinese alchemy, Greek alchemy, Arabic and medieval alchemy, Newton's alchemy, etc. This diversity of chemistry specialization is well represented in the College of Science and Health.

PERIODIC TABLE OF THE ELEMENTS

Legend:

- Non-metal
- Alkali metal
- Alkaline earth metal
- Transition metal
- Metal
- Metalloid
- Halogen
- Noble gas
- Lanthanide
- Actinide

The mission of the Department of Chemistry is to educate students in the theory and ethical practice of

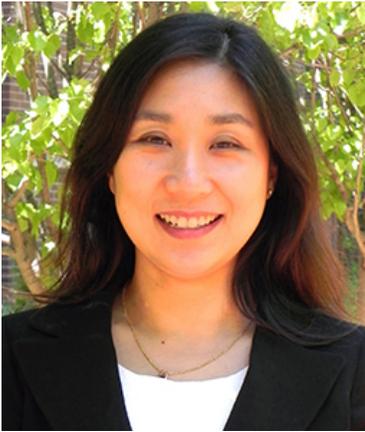


chemistry, within the framework of the scientific method, and to provide students with a context for appreciating the history of chemistry and its applications within society. Our chemistry faculty provide expertise in all of the major sub-fields within chemistry including analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, polymer chemistry, and physical chemistry. However as health professions and automatous systems advance, the framework of chemistry has continued to evolve. One of these new directions is an expansion towards biochemistry. Therefore, reflective of the

Chemistry faculty's desire to accommodate the growing interdisciplinary interest of our students and the specialty areas within the department, the department has elected to change its name to the Department of Chemistry and Biochemistry.

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

The Kipp Lab Seminar with Northwestern University



Established by Associate Professor of Reproductive Biology **Dr. Jingjing Kipp**, the Kipp Lab uses a broad spectrum of molecular, cellular, biochemical, genetic, morphological, and physiological approaches to investigate hormonal signaling and gene regulation in the ovary.

Since 2009, the Kipp Lab has participated in a weekly seminar program organized by Northwestern University called "Center for Reproductive Science Reproductive Research Updates." This group includes principal investigators, research associates, postdoctoral fellows, graduate students, undergraduate students, and lab technicians from six to seven reproductive biology research labs from the Northwestern Evanston campus, the Northwestern downtown campus, the Northwestern Children's Research Center, and the Kipp Lab. The seminar is held through a video-conferencing system so that all labs can participate at the same time. Since 2009, the Kipp Lab has participated in the seminar every week and also gives talks at the seminar every year on its recent research findings.

Originally, the Kipp Lab participated at the Northwestern Children's Research Center location together with a lab from that center. In 2017, however, the Kipp Lab set up its own video-conference location at DePaul. Now people from the lab, including Dr. Kipp, technician **Michael Demczuk**, and graduate students **Leah Morris** and **Shawna Yu** are participating in the seminar every week from DePaul.



The DNA and Protein Lab at the Kipp Lab



The RNA Lab at the Kipp Lab

Dr. Kipp has also invited her colleagues from the Department of Biological Sciences whose research is in the same or related fields to join the seminar.

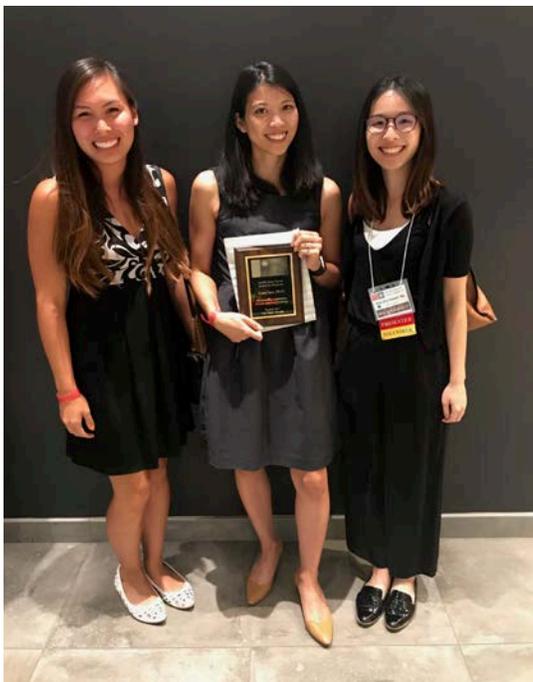
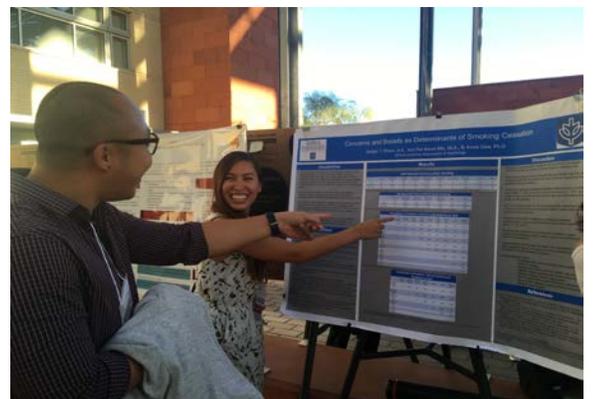
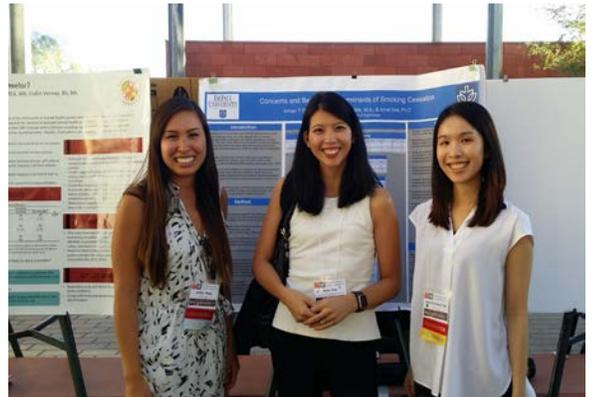
COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

Asian American Psychological Association Convention

In October, CSH's Clinical Community Psychology graduate program had a strong presence at the first ever two-day, standalone [Asian American Psychological Association \(AAPA\) Convention](#) in Las Vegas. This event features presentations by researchers, practitioners, and policy-makers and provides an educational forum on issues in Asian American psychology and Asian American mental health. The theme of this year's convention was "RISE IN SOLIDARITY: Comradery through Our Interdisciplinary Efforts, A Call to Action". This conference built on last year's theme of examining participants' diverse identities and encouraging members to reach out to different fields with the goal of strengthening practice and research in Asian American psychology.

In addition to presenting at the conference, **Dr. Anne Saw** received an Early Career Research Award, which recognizes distinguished contributions to the field of Asian American Psychology from a psychologist early in his or her career. The rapidly growing field of community psychology was also recognized: two of the fifteen highly competitive spots in the [Graduate Student Leadership Institute](#) went to students with a clinical community psychology focus.

In addition to Dr. Saw's participation, two CSH students also volunteered at the conference: **Amber Pham**, who served as Volunteer Co-Chair, and **Kris Ma**.



At the AAPA conference, Dr. Saw participated in the following research presentations:

Possibilities and perils of participatory research with Asian American refugee and immigrant communities
Saw, A., & Sangalang, C.

How to ally: Minimizing gaps in marginalized realities
Wong-Padoongpatt, G., Saw, A., Lee, M. R., Tran N., & Nakamura, N.

Examining smoking status, psychological distress, and their relation by race/ethnicity
Ma, P.-K., & Saw, A.

Concerns and beliefs as determinants of smoking cessation
Pham, A., Ma, P.-K., & Saw, A.

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

2017 DePaul Psychology Showcase and Reception

The Department of Psychology held its second annual showcase and reception on September 15.



FACULTY RESEARCH PRESENTATIONS

Going, going, gone: Preventing physical activity decreases during adolescence
Jocelyn Carter, Ph.D.

Goal orientation as related to self-regulation and performance
Douglas Cellar, Ph.D.

Exploring "the marvelous structure of reality:" Awe in the natural and built environment
Kimberly Quinn, Ph.D.

Duped and deceived: Sales techniques that manipulate consumers' attention to their detriment
Jessica Choplin, Ph.D.

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

CSH students present research to CSH Advisory Council

Three College of Science and Health undergraduate students presented posters based on their summer experiences as part of the Dean's Undergraduate Fellowship to the CSH Advisory Council on November 2. The Dean's Undergraduate Fellowship is a 10-week paid summer research internship program for undergraduate students in the College of Science and Health. Fellows selected for the program are placed in Chicago-area sites to participate in research projects over the summer.

Torin Grogan, a Health Science senior, conducted research for Dr. Olga Antipova working with X-ray microscopy at Argonne National Laboratory. His research project was titled: **Study of cartilaginous tissue sections using x-ray fluorescence microscopy.**

Eleanor Marshall, a Mathematical Sciences senior, conducted research at the Adler Planetarium with Dr. Geza Gyuk in the Far Horizons Lab. Her research project was titled: **Building an improved high altitude balloon mission tracker: Lessons and results.**

Gabrielle Presbitero, a Biological Sciences senior, conducted research for Dr. Mark Karver with Northwestern University's Peptide Synthesis Core. Her research project was titled: **Fmoc-based solid-phase synthesis of tissue factor-binding peptide amphiphiles to control hemorrhage.**

Eleven of the 13 Deans Undergraduate Fellowship recipients participated in the Annual Science and Mathematics Undergraduate Research Showcase the next day. Six site supervisors from the summer research internships also attended the Showcase.



CSH Advisory Council

The Advisory Council provides guidance and expertise to the Dean of the College of Science and Health. The Advisory Council is a volunteer group of alumni and friends of the college with significant academic, professional, and business expertise in across disciplines. Members of CSH Advisory Council are committed to the goals of educating students within the highest academic standards and with a strong Vincentian commitment to social justice and civic engagement.

The Advisory Council assists the Dean in the areas of planning, programmatic involvement, and resource development for the College of Science and Health.

Support the Dean's Undergraduate Fellowship

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

15th Annual Science and Mathematics Undergraduate Research Showcase

On November 3, the 15th Annual Science and Mathematics Undergraduate Research Showcase was held at DePaul University in McGowan South. The Showcase allows undergraduate students to present research they have conducted over the last year to the DePaul community and the public. This year, over 75 undergraduate students from DePaul and Rosalind Franklin University participated in the Showcase, presenting 63 posters and six oral presentations.

The oral presentations reflected the wide range of research topics studied at CSH:

The search for the cyclic sieving phenomenon in plane partitions

William Asztalos and **Dr. T. Kyle Petersen**

Potential mechanisms for NNS-induced metabolic deviances: Satiety hormone secretion and alterations in the gut microbiota

Kyle Decker

Development of synthetic routes for triaminopyrimidine derivatives as inflammatory caspase inhibitors

Amanda East and **Dr. Caitlin E. Karver**

Advancements in amorphous indium oxide and zinc-indium-tin oxide transparent conductors

Brett Freese, **Timothy Holmes**, **Manuel Osorio**, and **Miko Stulajter**

Monitoring behavior of a solitary-housed social primate

Natasha Wierzal

Making big data: Analysis of a dictionary learning initialization algorithm

Greg Zanotti and **Dr. Enrico Au-Yeung**



At the Alumni Panel, **Tara Scavelli** (CSH '07) discussed what initially drew her to a career in clinical research, how she highlights the value of a social science degree in the field, and considerations for pursuing graduate studies while working full-time. **Dan Clark** (CSH '12, BUS '14) shared his work using educational technology to make the process of learning more efficient by applying what we know in cognitive neuroscience and educational psychology.

Since 2003, 970 students have participated in the Undergraduate Research Showcase, presenting 847 posters and 28 oral presentations. Congratulations to this year's participants!

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

2017-18 Doctoral & Undergraduate Opportunities for Study (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:

Responsibility for civic engagement: The role of identity in social action

Undergraduate Student: **Cindy Garcia**
Graduate Student: **Amy Anderson**
Faculty Advisor: **Bernadette Sanchez, Ph.D.**

How do readers infer a character's emotional state? Hemispheric effects of emotion-congruent and emotion-incongruent texts

Undergraduate Student: **Samuel Yoo**
Graduate Student: **Blaine Tomkins**
Faculty Advisor: **Sandra Virtue, Ph.D.**

Pride, control, and risky decision-making

Undergraduate Student: **Marisol Villaseñor**
Graduate Student: **Andrea Sanders**
Faculty Advisor: **Verena Graupmann, Ph.D.**

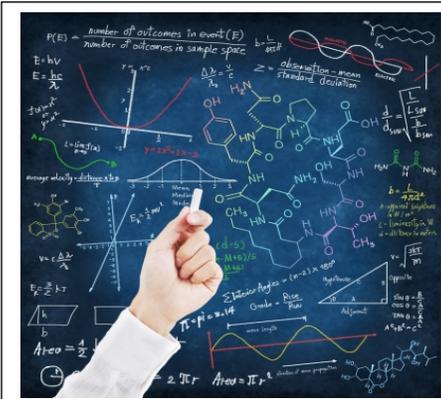
Gratitude and relationship satisfaction

Undergraduate Student: **Fiona Maylath-Bryant**
Graduate Student: **Laurette McIlwee**
Faculty Advisor: **Ralph Erber, Ph.D.**

A theory-driven outcome evaluation of a wilderness program for at-risk youth

Undergraduate Student: **Michael Basiewicz**
Graduate Student: **Elizabeth McConnell**
Faculty Advisor: **Susan D. McMahon, Ph.D.**





Priming relational self-construal in reactors: Condoning ethical behavior

Undergraduate Student: Chase Heidner
Graduate Student: Tatem Burns
Faculty Advisor: Alice Stuhlmacher, Ph.D.

Pathways between early life stress, biological stress regulation, and obesity in adolescence

Undergraduate Student: Claire Trainor
Graduate Student: Bridget Brush
Faculty Advisor: Jocelyn Carter, Ph.D.



Visual attention and experience ratings in two exhibits at the Lincoln Park Zoo

Undergraduate Student: Christine Nguyen
Graduate Student: Natalie Mordini
Faculty Advisor: Sheila Krogh-Jespersen, Ph.D.



The prevalence of adverse childhood experiences (ACEs) in pediatric chronic pain patients

Undergraduate Student: Julia Golden
Graduate Student: Anjana Jagpal
Faculty Advisor: Susan Tran, Ph.D.



Acculturative stress and its association with parenting and child internalizing problems

Undergraduate Student: Sarah A. Jolie
Graduate Student: Caleb Figge
Faculty Advisor: Cecilia Martinez-Torteya, Ph.D.



Alone goes with like: Compatibility's effect on subjective value

Undergraduate Student: Vanessa Arndt
Graduate Student: Kaitlyn Gallagher
Faculty Advisor: Ivan Hernandez, Ph.D.

The variable nature of social engagement on collaborative learning in higher education

Undergraduate Student: Stacy Jean-Baptiste
Graduate Student: Jordan Reed
Faculty Advisor: Ida Salusky, Ph.D.

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

Dean Koocher speaks with CSH students at DePaul Telefund Telethon

This fall, College of Science and Health Dean **Dr. Gerald P. Koocher** 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 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.

The Department of Mathematical Sciences selected for participation in National Science Foundation (NSF) Funded Study

The Department of Mathematical Sciences is pleased to be one of twelve mathematics departments in the country chosen to be part of an NSF-funded study of students' success as they progress through the Pre-calculus and first-year Calculus course sequences. This Mathematical Association of America (MAA) project broadens their previous 2015 study to the entire Pre-calculus through Calculus II sequence while focusing on cataloging the efforts currently underway to improve student success through this sequence and documenting what does and does not work in the actual implementation of these efforts. The grant is a collaboration of researchers from San Diego State University, Portland State University, Colorado State University, and the Mathematical Association of America.



A research team from San Diego State University visited our campus October 16 -18, and interviewed students about the introductory mathematics program at DePaul. The team also asked broader questions about the university, the Mathematical Sciences department, and on the initiatives in place to support student success in introductory math courses. More information about the project is available at <http://www.maa.org/ptc>.

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

CSH faculty participates in bioethics advisory panel



Professor of Health Science **Dr. Craig Klugman** was one of four bioethicists asked to serve on an advisory panel to Otsuka, the manufacturer of Abilify MyCite, an oral form of treatment for psychosis that has an embedded digital sensor that can monitor ingestion of the pill. The sensor sends a message to a wearable patch when it is ingested; the patch transmits the information to a mobile application so that patients can track the ingestion of the medication on their smartphone. Dr. Klugman and the panel were presented with the product and given the chance to give the company feedback on any bioethical concerns that could be raised. Of critical importance to the panel was the language contained in the patient consent form and patient control over the use of information tracked by the digital sensor. The advisory panel reviewed several versions of the informed consent form, and Otsuka changed the form based on the concerns raised by the panel.

Professor Klugman is a prominent leader in the field of Bioethics. He is the blog editor for bioethics.net, where he writes on bioethics and health policy. He is also the co-leader of the Health Humanities Consortium and the Bioethics Summer Retreat and is also a member of the ethics committee at Northwestern Memorial Hospital.

This winter, Professor Klugman is teaching HLTH/PHL 339 – Bioethics & Society, an interdisciplinary study of the function of bioethics in society. The seminar explores the history of bioethics, bioethics as a clinical practice, and the various questions that arise from health science, medical humanities, religious studies, sociological, and philosophical perspectives.

More Health Sciences News

Faculty from the Department of Health Sciences

Dr. Douglas Bruce

Published Articles

- Bruce, D., Brady, J.P., Foster, E., & Shattell, M. (2017). Preferences for medical cannabis over prescription medications among persons living with chronic conditions: complementary, tapering, and alternative uses. *Journal of Alternative and Complementary Medicine*, first published online September 25, 2017. DOI: 10.1089/acm.2017.0184.

Conference Presentations

- Bruce, D., Brady, J.P., Foster, E., & Shattell, M. (2017, November). Preferences for medical cannabis over prescription medications among persons living with chronic conditions: complementary, tapering, and alternative uses. Presented at APHA Annual Meeting, Atlanta, GA.
- Bruce, D., Bouris, A. M., Bowers, S., Blocker O., Lee, S.Y., Schneider, J. A., Reirden, D. H. (2017, October) Medical, therapeutic, and recreational use of marijuana among gay and bisexual male emerging adults living with HIV/AIDS. Presented at International Qualitative Health Research Conference, Quebec, QC.

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

Dr. Craig Klugman

Published Articles

- Klugman CM (2017). How Health Humanities Will Save the Life of the Humanities. *Journal of Medical Humanities* 38(4): 419-430. DOI: 10.1007/s10912-017-9453-5

Conference Presentations

- Robinson M, Feinberg R, Gabriel J, Klugman CM (2017, October 22). Commercialization, Industry, and Biomedicine: Profit Motives and the Future of Medicine. American Society for Bioethics & Humanities 19th Annual Meeting. Kansas City, Missouri.
- Erwin C & CM Klugman (2017, October 21). Contingency Ethics: The Third Digital Discourse. American Society for Bioethics & Humanities 19th Annual Meeting. Kansas City, Missouri.

Invited Talks

- Klugman CM (2017, December 4). Medical Improv: Teaching Communication, Team Work, and Comfort with Ambiguity. Rosalind Franklin University School of Medicine and Science. North Chicago, Illinois.
- Klugman CM (2017, September 26). Health Care-Right or Commodity? League of Women Voters of Winnetka, Northfield and Kenilworth. Winnetka, Illinois.

Succeeding with DePaul Program presented at Thrive Symposium



In November, **Heather Sevenser**, Academic Advisor for the Department of Health Sciences, gave a presentation about the Succeeding with DePaul program at the 2nd annual Symposium on Undergraduate Success, organized by Thrive Chicago and the Chicago Collaborative for Undergraduate Success. The purpose of the symposium was to examine the relationship between community colleges and universities through the lens of transfer students, by bringing together faculty, school counselors, administrators, students from community colleges, and community stakeholders to share knowledge and best practices.

The Succeeding with DePaul program, which is a course add-on for HLTH 201 – Introduction to Health Science, is targeted to transfer students and designed to assist them with their transition to DePaul.

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

New Fall Quarter External Grants

INVESTMENTS IN GREAT IDEAS



Dr. Gabriela Gonzalez-Aviles
Department of Physics

Center for Multifunctional Materials
\$252,921 (via sub-award from Northwestern University)
National Science Foundation

Dr. Gonzalez-Aviles will serve as an investigator on the NSF grant NU-MRSEC (Northwestern University, Materials Research Science and Engineering Center), titled "MRSEC: Center for Multifunctional Materials." The goals of NU-MRSEC are to advance world-class materials research, education, and outreach via internal and external interdisciplinary collaborations with academia, industry, national laboratories, and museums. Dr. Gonzalez-Aviles will be part of the Interdisciplinary Research Group 2 (IRG 2) which will focus on "Functional Heteroanionic Materials via the Science of Synthesis."

"We choose to go to the moon in this decade and do the other things, not because they are easy, but because they are hard." – John F. Kennedy

Dr. Graham Griffin
Department of Chemistry and Biochemistry

Photooxidation of Thiophene-containing Moieties in Dyadic Model Systems
\$55,000

This project seeks to improve understanding of the fundamental mechanisms controlling photon-driven oxidation of thiophene-based donor moieties. This improved understanding will facilitate rational design of improved desulfurization processes.



COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS



Dr. Bernadette Sanchez
Department of Psychology

Race Equity and Social Justice in Youth Mentoring
\$142,298
William T. Grant Foundation

The objectives of the proposed fellowship are to understand a) the concerns and needs of staff, mentors, and policy makers around race equity and social justice, and b) how these concerns and needs are and should be considered in training, staff development, marketing, hiring, research and evaluation in youth mentoring programs. Dr. Sanchez will immerse herself in two local community based organizations and at the Illinois Mentoring Partnership. Fulfilling these objectives will help her conduct research that is better informed by policy and practice as well as to engage policy makers and practitioners as she conducts research and disseminate findings.

Dr. Anne Saw
Department of Psychology

Engaging Newly Arrived Refugees in Patient-Centered Research
\$50,000
Patient-Centered Outcomes Research Institute

This project seeks to form an infrastructure to conduct patient-centered CER with stakeholders committed to improving health for Rohingya refugees settled in Chicago, beginning with an existing collaboration between the project co-leads and a community organization, the Rohingya Culture Center.



John Zeigler
Steans Center for Community-based Service Learning & Community Service Studies

Jumpstart 2018
\$66,048

Jumpstart for Young Children, INC

DePaul's Jumpstart program, which is managed by the Irwin W. Steans Center, trains DePaul students to deliver an innovative early education program via yearlong one-on-one relationships with preschool children from low-income households.

COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS



Dr. Carolyn C. Narasimhan

Department of Mathematical Sciences, STEM Studies

Stokes Alliance for Minority Participation 2017-18
\$18,000

National Science Foundation (via a sub-award from Chicago State University)
The Louis Stokes Alliances for Minority Participation (LSAMP), a program funded by the National Science Foundation, assists colleges and universities in transforming education in science, technology, engineering, and mathematics (STEM) disciplines through innovative recruitment and retention strategies and experiences in support of groups historically under-represented in STEM disciplines. This award will provide research and professional development opportunities to a number of DePaul STEM undergraduates.

Fostering Collaborative Mathematics Teacher Learning
\$10,504

National Academy of Education

This project will fund video data collection by Mathematics Instructional Coach **Alanna Mertens** during collaborative coaching sessions at eight elementary schools. This will include making actual video recordings as well as various related data collection and management tasks.

Dr. Orson Morrison

DePaul Family and Community Services

CPS HTT Grant
\$217,350

Chicago Board of Education

DePaul University will provide experienced therapists to provide trauma-informed TIER 3 counseling services in 10 schools. In addition, DePaul University will provide experienced therapists to provide Child-Adult Relationship Enhancement (CARE) trainings to the 10 treatment schools.

Social Emotional Learning Services for McAuliffe Elementary
\$18,750

Chicago Board of Education

DePaul University's Family & Community Services program will provide social, emotional, and learning services to McAuliffe Elementary during the 2017-18 academic year. These services will include program planning and preparation; staff and parent trainings; and social, emotional, and behavioral interventions for students. Support will also be provided to the school's Behavioral Health Support Team.

Social Emotional Learning Services for Lincoln Park High
\$10,000

Chicago Board of Education

DePaul University will provide experienced clinician(s) for a total of up to 133 hours of non-Medicaid/non-insurance billable services over the period from September 5, 2017 until June 16, 2018.



COLLEGE OF SCIENCE AND HEALTH FALL HIGHLIGHTS

The Food Lab - CSH Office of Advising conducts research to find the perfect bowl of chili

Each November, in the spirit of taking time to gather together 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: the contestants cooked-up two types of turkey chili, with one featuring brisket, among others.

This year, Assistant Dean for Academic Services **Michael Roberts**, for a second year in a row, took the top prize for his turkey chili. Michael won the coveted Chili Cook-Off trophy to proudly display at his desk for a year until it is passed on to the next chili champion. Competitors have plotted using spectroscopy to unravel the secret sauce of Michael's flavor chemistry, but the rules prohibit such behavior. We wish everyone better luck next year!



CSH staff development group - STAF^2 collects donations for Seton Soup Kitchen



During the month of November, the CSH staff development group STAF^2 organized a coffee and tea donation drive for the Elizabeth Ann Seton Food Pantry and Sandwich Window. STAF^2 collected a substantial supply of ground coffee, green tea, granulated sugar, and powdered creamer from the CSH community for the sandwich window in the Seton room.

During the year, parishioner volunteers serve over 30,000 sandwiches, about 1,000 special holiday meals and 45,000 cups of coffee from the sandwich window in the Seton room at St. Vincent DePaul Church.

The number of households the Mother Seton Food Pantry serves on a monthly basis is over 230. This translates into an average of nearly 700 individuals being helped a month, over 8,250 for the year. The service also includes DePaul University students.

In addition to the donated goods, STAF^2 provided volunteers to prepare and serve meals for the Seton Soup Kitchen during the month of December.

COLLEGE OF SCIENCE AND HEALTH AWARDS, RECOGNITIONS & APPOINTMENTS

Winter/Spring 2018 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 2018 winter and spring quarters are:

Dr. Dorothy Kozlowski

Serena Seyburn

Department of Biological Sciences

"Sex differences in subconcussive impacts"

Dr. Windsor Aguirre

Natasha Wierzal

Department of Biological Sciences

"Phylogeography of neotropical fishes"

Dr. Kyle Grice

Farah Farooqui

Department of Chemistry

"Synthesis and reactivity of phosphite complexes of platinum"

Dr. Gabriela B. Gonzalez Aviles

Miko Stulajter

Department of Physics

"Studying the local atomic structure of transparent conductors"

Dr. Kathryn Grant

Zaphanelene Kaffey

Department of Psychology

"Quantitative and qualitative evaluation of Cities Mentor Project"

Dr. Jess Vogt

Margaret Abood

Department of Environmental Science and Studies

"CommuniTree program evaluation"

Dr. Molly Brown

Sarah Pelletier

Department of Psychology

"Barriers to trauma-informed care implementation in homeless services"

Dr. Bernadette Sanchez

Cindy Garcia

Department of Psychology

"A qualitative study of college students' critical consciousness"

Dr. Margaret Bell

Mariam Saleh

Department of Biological Sciences

"Interacting effects of long-term polychlorinated biphenyls exposure and acute lipopolysaccharide challenge on microglia number and activation in adult rat brains"

Dr. Ida Salusky

Grisel Lopez-Alvarez

Department of Psychology

"The roles of identity and supportive networks in college persistence for first-generation college students"

Dr. Suzanne Bell

Chase Heidner

Department of Psychology

"Novel predictors of team dynamics in space flight"

Dr. Charles M. Rubert Pérez

Andrew Gould

Department of Chemistry

"Synthesis of metal-triggered small molecules for the assembly of catalytic supramolecular nanostructures"

COLLEGE OF SCIENCE AND HEALTH AWARDS, RECOGNITIONS & APPOINTMENTS

Dr. Susan D. McMahon

Michael Basiewicz

Department of Psychology

"A theory-driven outcome evaluation of a wilderness program for at-risk youth"

Dr. Elizabeth E. LeClair

Meghan McNicholas

Department of Biological Sciences

"A zebrafish model for mutations affecting macrophages"

Dr. Jalene LaMontagne

Jillian Serman

Department of Biological Sciences

"Mast seeding variability and synchrony in trees: A community perspective"

Applications for Summer/Autumn 2018 URAP funding are due April 26, 2018.

For more information, visit the [URAP website](#).

CSH inductees into DePaul's 25 Year Club

Congratulations to the following CSH faculty who were inducted into DePaul University's 25 Year Club this fall in recognition of 25 years of service at the University:



William Butterworth, Ph.D.

Department of
Mathematical Sciences



Gregory B. Kharas, Ph.D.

Department of Chemistry
and Biochemistry



James A. Montgomery, Ph.D.

Departments of Environmental
Science and Studies, Health
Sciences

Adjunct faculty members elected to Workplace Environment Committee

Dr. Murat Kahveci, Department of Chemistry and Biochemistry, was newly-elected to serve with incumbent member **Dr. Vladimir Lepetic**, Department of Mathematical Sciences, to represent the College of Science and Health on the Workplace Environment Committee. The WEC is charged with hearing, reporting and suggesting resolutions for issues affecting adjunct faculty members. In fulfilling this charge, it creates an avenue to discuss and brainstorm ideas, communicate and share information across colleges, and provide advice and recommendations to the Provost and Academic Affairs. The committee can put forth ideas on any workplace issues except for those pertaining to academic policy and governance under the purview of Faculty Council and its Committee on Contingent Faculty.

COLLEGE OF SCIENCE AND HEALTH – NEW ROLES NEW FACES

Department of Environmental Science and Studies Welcomes New Chair



Effective January 1, Associate Professor of Environmental Science and Studies **Dr. Mark J. Potosnak** is the new Chair of the Department of Environmental Science and Studies. Dr. Potosnak has taught at DePaul since 2008, and his research centers primarily on the complex interactions between the terrestrial biosphere and the atmosphere.

Dr. Potosnak succeeds **Dr. Liam J. Heneghan**, who previously served as department chair. Dr. Heneghan will continue teaching, researching, and actively participating on the Environmental Science and Studies faculty. CSH extends many thanks to Dr. Heneghan for his years of leadership and numerous contributions.

CSH Welcomes New Full-time Faculty

School of Nursing

Roxanne Spurlark, Assistant Professor, DNP, APRN, FNP-C

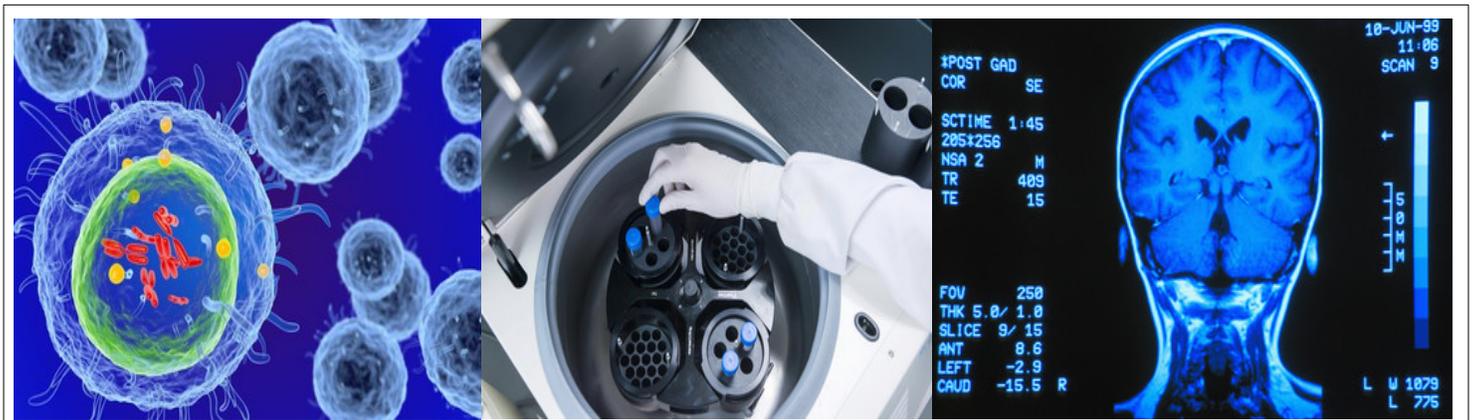
Daniel Mead, Simulation Educator; Clinical Assistant Professor, MS, RN

Dorothy Otremba, Clinical Assistant Professor, DNP, APN, FNP-BC

Tamara Poole, Simulation and Lab Coordinator/Clinical Assistant Professor, DNP, APN, FNP-BC

Mathematical Sciences

Philip Yates, Ph.D., Assistant Professor, Statistics [View Bio](#)



COLLEGE OF SCIENCE AND HEALTH – NEW ROLES NEW FACES

Alexandra Heestand (School of Nursing) Business Manager



Alexandra Heestand has worked in healthcare management and delivery for the majority of her professional career. She most recently ran a nutrition research program at Northwestern University's Center for Analytical and Translational Sciences (NUCATS). She is also, by training, a Registered Dietitian Nutritionist. She is very pleased and excited to become a member of the School of Nursing staff!

Anne O'Neil (Advising) Student Services Advisor



Anne O'Neil was one of the 'founding' student assistants on the OASS team in 2011. She graduated from DePaul with her BA in 2012. She is a lifelong Chicago resident (and White Sox fan). Her passions/pleasures include reading, spending summers in Winnemac Park in Ravenswood, and having family days on the South Side eating Milano's Pizza in Beverly. Before returning to the OASS team, Anne worked in a fast-paced healthcare sales environment. She considers the past 8 weeks at DePaul as the happiest of her working life thus far.

Lissa Paz (Psychology) Coordinator of the Psychology Department and Programs



Lissa Paz has joined the Psychology Department team as the new Coordinator of the Psychology Department and Programs. Lissa graduated from UIC with a BA in Psychology & Criminology, Law and Justice in 2009. She commenced her career working for a human rights organization, serving needs of youth in Chicago. During her free time she enjoys attending concerts, reading, spending time with family/friends and as a dedicated Cubs fan, attending as many games as possible. Lissa is excited to bring her passion for working with students and helping others to her new role.

Steven Reese (OOTD) Administrative Assistant



Steven Reese has taken over the Administrative Assistant position in the Office of the Dean. After a career in visual merchandising which took him from Los Angeles to Washington, DC, Steven switched gears and graduated from DePaul in June, 2017 with a BA in History, concentrating in Public History. When he's not working, he enjoys baking, crosswords, ruminating on the state of the Oscar race, and hanging out with his cat. He looks forward to applying his love of research, organization, writing, editing, and generally tinkering with Word documents to his new role.

COLLEGE OF SCIENCE AND HEALTH – UPCOMING EVENTS AND CALENDAR

- January 24** *Catholic Relief Services & Sustainable Development in Malawi.* Enjoy a sustainable, vegetarian lunch and meet Mictor Chaola, Agriculture Specialist for Catholic Relief Services (CRS) Malawi, a country in southern Africa that relies heavily on agriculture. Mictor will explain his role in CRS initiatives like improved seed and education surrounding farming techniques, which have given many of the most vulnerable Malawians a chance survive the dry season, flooding, and avert hunger. RSVP required by January 22 to cwcit@depaul.edu. [McGowan South 204](#), 11:30 am - 12:45 pm
- January 26** Chemistry Seminar Series – Amanda East, DePaul University, *CHE398 thesis defense* hosted by Dr. Caitlin Karver, McGowan South 103, 1 pm
- January 28** Neuroscience Seminar – *Why are Repeat Concussions Bad?*, location TBD, 1 pm
- January 30** Department of Physics Colloquium – *A Data-Driven Road to Discovering an Exotic Particle: Z_c^0 (3900)*, Dr. Ting Xiao, Northwestern University. Byrne Hall 208, 3:30 pm - 5 pm
- February 1** Manuscript submissions for *DePaul Discoveries* [due](#)
- Graduate Research Fund (GRF) applications [due](#)
- February 1** Climate Change Science & Policy Minor Talk on Paleoclimate, McGowan South 204, 11:30 am - 12:45 pm
- February 2** *Careers in Science and Math: Landing a Job after Graduation.* A degree in science or math can lead to challenging and rewarding careers in a variety of industries. This event will focus on how you can put your undergraduate degree to work, following graduation. Whether you are graduating this year, or planning ahead and exploring options, this event is open to all science and math students. [McGowan South 1st Floor](#), 1 pm - 3 pm
- Department of Biological Sciences Seminar Series – *Darwin Day*: Dr. Thomas Sanger, Loyola University, McGowan South 104, 1 pm - 2 pm

- February 7** *Fake 2: Shadows*, an interdisciplinary art and science exhibit exploring the theme of shadows, shade, light, and enlightenment. Featuring a lecture on Plato's "myth of the cave" by Michael Naas (DePaul); Javanese "shadow puppet" court dance by Danielle Meijer; performance of shadow puppetry poetry by Blair Thomas; an investigation of shadows' relation to cinema by Alice Maurice (U of Toronto); the history and mythology of eclipses; and musical performances of shadow-themed songs by Shawn Wallace. [DePaul Student Center 120](#), 6:30 pm - 9 pm
- February 9** Chemistry Seminar Series – Dr. James Devery, Loyola University, *Organometallics/Catalysts*, McGowan South 103, 1 pm
- February 15** Faculty Excellence in Research Award and Mid-Career Excellence in Research Award nominations [due](#)
- February 16** *ComPsych Lunch & Learn*. Have lunch and learn about career paths in the employee assistance program arena. [Arts and Letters 109](#), 1 pm - 2 pm
- February 18** Dean's Undergraduate Fellowship applications due
- February 22** CSH Winter Quarter College Meeting, McGowan South, 3 pm - 5 pm
This meeting will feature:
- College updates from the Dean, Gerald P. Koocher, Ph.D.
 - Presentation by Dr. W. LaVome Robinson, Department of Psychology
- Department of Physics Colloquium – *Lattice Distortions in Crystalline Heterostructures for Quantum Computing*, Dr. Anastasios Pateras, University of Wisconsin-Madison. Byrne Hall 208, 4 pm
- February 23** Chemistry Seminar Series – Dr. Hee Yeo Cho, Loyola University, *Organometallics/Catalysts*, McGowan South 103, 1 pm
- CSH Winter Quarter Colloquium*. This colloquium will feature CSH research presentations from Dr. Jocelyn Carter and Dr. Timothy French, and a discussion after the presentations, with lunch provided. RSVP to sreese1@depaul.edu by February 19, McGowan South 404, 12 pm - 1:15 pm
- February 28** Neuroscience Program Conference – *The Intersection of Traumatic Brain Injury and Domestic Violence*, [DePaul Center Suite 8002](#), 8:30 am - 3:30 pm
- March 2** Department of Biological Sciences Seminar Series – Dr. Kristen Voorhies, U.S. Fish and Wildlife Service, McGowan South 104, 1pm - 2pm

March 9

Chemistry Seminar Series – Dr. Rick Niedziela, DePaul University, *Aerosol Spectroscopy*, McGowan South 103, 1 pm

Thank you to all contributors!

Also many thanks to Steven Reese and Jessica Hughes
for their work on this newsletter.

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, or contact the CSH Newsletter Publication Editors [Kurtis Todd](#) and [Susan D. McMahon](#).



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COLLEGE OF
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Winter 2018 Newsletter