D'Youville
RESEARCH AND SCHOLARLY ACTIVITY 2014-2015
CONTENTS

3 MESSAGE FROM THE VICE PRESIDENT FOR ACADEMIC AFFAIRS
4 ARTICLES AND MANUSCRIPTS
8 BOOKS AND BOOK CHAPTERS
10 CONFERENCE PRESENTATIONS
17 INVITED ADDRESSES
20 CURRENT RESEARCH
26 FUNDED GRANTS
MESSAGE FROM
Arup K. Sen, Ph.D.
VICE PRESIDENT FOR ACADEMIC AFFAIRS

Dear Colleagues,

It is with great pleasure that I present the 2014-2015 D’Youville College Research and Scholarly Activity report. This has been a great year for the college and an exciting time to be part of our research, scholarship and innovation community.

D’Youville College follows a teaching and scholarship model that provides our faculty with significant opportunities to conduct meaningful research. Our faculty are making national and international accomplishments in their respective fields. This report recognizes the achievements of our faculty and a selection of their creative and scholarly work. They have published award-winning books and major scholarly articles and continue to engage in cutting-edge research in their fields of study. I am struck not only by the quantity of such scholarship, but also by its high quality and its range of disciplinary coverage.

The college’s reputation for academic excellence rests significantly on teaching, scholarship and service. As scholar-educators, D’Youville faculty members mentor future generations of researchers by collaborating with students and sharing intellectual passion with them. Our faculty also engage in interprofessional research and the development of innovative approaches to teaching and learning experiences in educational settings made possible by grants obtained by our faculty from prestigious public and private foundations.

As a community of scholars, we take time to celebrate the accomplishments of our colleagues. In this report, I wish to share with you the outstanding work of our faculty and while I look forward to presenting these scholarly activities, reviewing them simultaneously inspires and humbles me. Please join me in congratulating the faculty for their accomplishments and for their ongoing commitment to “Educating for Life.”

Dr. Arup K. Sen
Vice President for Academic Affairs


ARTICLES & MANUSCRIPTS
SCHOOL OF ARTS, SCIENCES AND EDUCATION

BUSINESS


LIBERAL ARTS


MATH & NATURAL SCIENCES


MATH & NATURAL SCIENCES


SCHOOL OF HEALTH PROFESSIONS

CHIROPRACTIC

DIETETICS

McClung, H., Clark, S., Dwyer, J., Hawthorne, K., Johnson, S., & Weiss, Edward. (2014). In an adult population taking a prescription anti-coagulant [warfarin, enoxaparin (Lovenox), dabigatran (Pradaxa), rivaroxaban (Xarelto), apixaban (Eliquis)], what is the impact of doses of Vitamin E alone greater than the RDA (15mg)? Nutrient Supplementation Project, Academy of Nutrition and Dietetics (Evidence Analysis Library). Retrieved from http://www.andeal.org/topic.cfm?menu=5283&cat=5197


HEALTH PROFESSIONS EDUCATION


HEALTH SERVICES ADMINISTRATION


Rowe, J., & Cazdow, Renee. (2014). Core values are the bedrock of a culture of compliance in health care agencies. Home Health Care Management & Practice 26(3), 163-166.7/1049909114553460

OCCUPATIONAL THERAPY


PHYSICAL THERAPY


PHYSICIAN ASSISTANT


SCHOOL OF NURSING


SCHOOL OF PHARMACY


Library

**BOOKS & BOOK CHAPTERS**

**SCHOOL OF ARTS, SCIENCES AND EDUCATION**

**EDUCATION**


**LIBERAL ARTS**


**MATH & NATURAL SCIENCES**


**SCHOOL OF HEALTH PROFESSIONS**

**PHYSICAL THERAPY**


**PHARMACY**


**LIBRARY**


regions (v. 2, pp. 565-566). Santa Barbara, CA: ABC-CLIO.


CONFERENCE PRESENTATIONS

SCHOOL OF ARTS, SCIENCES AND EDUCATION

BUSINESS


EDUCATION


Piotrowski, Phillip, Nagro-Campagna, S., Gamble, Robert, & March, Cathleen. (2015, February). Teacher candidates’ perceived usefulness of teacher preparation experiences that include edTPA activities. American Association of Behavioral and Social Sciences, Las Vegas, NV.

LIBERAL ARTS


Finnegan, Elizabeth. (2015, April). Perforating the classroom: How hacking the online game #TvsZ 6.0 brings together faculty, students & community members. Emerging Technologies for Online Learning International Symposium, Dallas, TX.


MATH & NATURAL SCIENCES


Faitar, Gheorghita. (2014, July). Deconstructing gender bias in the American educational...
system. Diversity in Organizations, Communities and Nations, Vienna, Austria.


Stephen, Frank, Georgian Lesley, Bonner, M., Kostyniak, P.J., Olson, J.R., Bloom, M.S., & Vena, J.E. (2015, March). Serum pesticide and PCB levels are associated with peripheral blood leukocyte populations in Great Lakes anglers. Society of Toxicology, San Diego, CA.


SCHOOL OF HEALTH PROFESSIONS

CHIROPRACTIC


Ware, Jeffrey. (2014, September). Medicare documentation, informed consent, meaningful use. Annual Chiropractic Educational Symposium, Buffalo, NY.

Ware, Jeffrey. (2014, September). Patient quality reporting system. Annual Chiropractic Educational Symposium, Buffalo, NY.

Ware, Jeffrey. (2015, March). Developing an assessment tool to effectively evaluate intern’s clinical competence in a chiropractic academic clinical setting – a pilot study. Association of Chiropractic Colleges Research Agenda Conference, Las Vegas, NV.

**DIETETICS**

Border, K., & Whelan, Megan. (2014, October). Cultivating collaborative learning: An intraprofessional workshop on the scope of practice in nutrition and dietetics. Food and Nutrition Conference and Expo, Atlanta, GA.


**EXERCISE & SPORTS STUDIES**


**HEALTH PROFESSIONS EDUCATION**


Nwora, Amy, Brykcy, Donna, & Vallone, Theresa. (2014, November). Out of the ivory tower: Does fieldwork connect to the clinical experience?


HEALTH SERVICES ADMINISTRATION


Frye, Margaret. (2014, October). NYS Regulations for the supervision of OTA. New York State Occupational Therapy Association, Buffalo, NY.


PHYSICIAN ASSISTANT


Carlson, C., Fraser, M., Omosebi, O., Dunn, Bethany, Finney, Maureen, & Andreeff, Renee. (2015, January). Physician assistant’s practices and attitudes in regard to opioid medications since the implementation of the internet system for tracking over-prescribing (I-STOP). Scholarship of Teaching & Engagement, Orem, UT.


**SCHOOL OF NURSING**

Adrian, Susan. (2014, September). To wear or not to wear: Mask use in pediatric oncology patients. Association of Pediatric Hematology/Oncology Nurses, Portland, OR.


Caughill, Ann, & Dunford, Denise. (2015, April). A psychiatric mental health nurse practitioner program: Meeting the needs of veterans as students well as care recipients. Professional Nurses Association of Western New York, Buffalo, NY.

Caughill, Ann. (2014, November). Nursing education that meets the needs of veterans as students and care recipients. Nursing Research, Education and Practice Center for Advanced Medical Learning and Simulation, Tampa, FL.

Dunford, Denise, & Kennedy, Mary Catherine. (2015, April). The effect of a standardized training program on providers' knowledge and confidence in counseling individuals about end-of-life treatment options. Professional Nurses Association of Western New York, Buffalo, NY.

Dunford, Denise, & Kennedy, Mary Catherine. (2015, March). Assisting patients and families with end-of-life decision making. Professional Nurses Association of Western New York, Buffalo, NY.


**SCHOOL OF PHARMACY**


Cieri, Nicole. (2014, October). Rivaroxaban compared to warfarin for the prevention of venous thromboembolism after major orthopedic surgery in a community hospital. American College of Clinical Pharmacy, Austin, TX.

Cieri, Nicole. (2014, October). Effect of part-time employment on academic performance while completing the PharmD curriculum. American College of Clinical Pharmacy, Austin, TX.


INTERPROFESSIONAL EDUCATION


INVITED ADDRESSES

SCHOOL OF ARTS, SCIENCES AND EDUCATION

LIBERAL ARTS


Finnegan, Elizabeth. (2014, November). To see or not to see: Kiarostami’s close-up and the limits of cinema. The Thought of Film: An International Colloquium on Film and Philosophy in Honor of Stanley Cavell, Lima, Peru.


Seidman, Derek. (2014, November). Soldier dissent during the Vietnam war. University of Wisconsin-Madison, WI.


Werner, Marta. (2014, September). “These tested our horizon”: Scanning the distances in Dickinson’s late manuscripts. West Virginia University, Morgantown, WV.

MATH & NATURAL SCIENCES


CHIROPRACTIC


Rafalson, Lisa. (2015, February). Hot topics in spine imaging for chiropractors. Ordre des Chiropraciens du Quebec, Quebec City, QU.


OCCUPATIONAL THERAPY


Frye, Margaret, & Bentley-Root, Tracy. (2014, October). Assessing executive function for discharge planning. Erie County Medical Center Neuro Symposium, Buffalo, NY.

Frye, Margaret. (2014, October). OT and cognition, part 2. Erie County Medical Center, Buffalo, NY.

Frye, Margaret. (2014, October). OT and cognition. Erie County Medical Center, Buffalo, NY.


SCHOOL OF NURSING

Caughill, Ann. (2014, November). Nursing education that meets the needs of veterans as students and care recipients. Nursing Research, Education and Practice Center for Advanced Medical Learning and Simulation, Tampa, FL.
**CURRENT RESEARCH**

**SCHOOL OF ARTS, SCIENCES AND EDUCATION**

**BUSINESS**

Daly, Dion, & Fox Garrity, Bonnie. Student veterans taxonomy: A suggested protocol for IR professionals.

Daly, Dion. Corruption in Armenia after joining the World Trade Organization: Perceptions of key economic actors.

Daly, Dion. Spanning the gap with college-level courses in high school: A quantitative study of key academic measures of student success.

**EDUCATION**


Gooch, Joshua. Beyond panopticism: The biopolitical labor of surveillance and war in contemporary film.

Gooch, Joshua. Samuel Butler.

Gorlewski, J., Gorlewski, D., & Lalonde, Catherine. Public pedagogy for private profit: The hidden curriculum of reality TV.


Lalley, James, DeWaters, Jamie, Lochte, Hilary, & Williams, Stephen. Factors negatively impacting consistent school attendance in the Buffalo city schools.

Lalley, James. Reliability and validity as they relate to edTPA.

Lalonde, Catherine, Gorlewski, D., & Gorlewski, J. (Dis)positioning learners: Rubrics and identity in teacher education.


Metzgar, Jamie. Language acquisition of transnationally adopted children: How parent beliefs shape educational experiences.

**LIBERAL ARTS**

Finnegan, Elizabeth. Now you see it: Aspect-blindness, aspect-seeing, and documentary subjectivity in Abbas Kiarostami’s close-up.


Rai, Manpreet & Fallin, J. The impact of a game dynamic on participation yearlong GTA training.

Rai, Manpreet & Fallin, J. Tiered reflection and the use of technology in graduate level curriculum and instruction courses.

Rai, Manpreet & Harris, R.J. Understanding the role of the episodic buffer of working memory in inferential reading comprehension for L1 and L2 readers under conditions of cognitive load.

Rai, Manpreet, Loschky, L., & Harris, J. The effects of inferential complexity, stress, and working memory capacity on foreign language readers’ and native English readers’ comprehension of inferences.


Seidman, Derek. A more professional union: AAUP faculty unionism at D’Youville College since the 1970s.

Seidman, Derek. Soldiers of the quiet revolution: Letters of dissent from the Vietnam war.


Sisto, Walter. Making the new evangelization credible: Mary and the ecumenical movement.


Sisto, Walter. The sophiological synthesis: Sergius Bugakov and the dialectic of faith and science on death and evolution.

Smyers, J., Rai, Manpreet, & Harris, R.J. Authorship across 50+ years: An assessment of author country of origin in major psychology journals since 1950.

Tyson, Craig. Empire and agency: The periphery in the neo-Assyrian empire.

Tyson, Craig. Empire and the religious iconography of ancient Jordan: The case of the moongod.
Tyson, Craig. Peripheral elite as imperial collaborators.

Tyson, Craig. Review of Creation and chaos: A reconsideration of Hermann Gunkel’s chaokampf hypothesis.


Werner, Marta. Review of Dickinson’s fascicles: A spectrum of possibilities.

Werner, Marta. The weather of Emily Dickinson’s manuscripts.

MATH & NATURAL SCIENCES

Bernosky, Kimberly. Optogenetics study of the effect of D2 receptors on feeding in rats.

Ching, J., Davie, Jeremiah, & Weiss, Edward. Efficacy of home-use produce washes on apples, strawberries, and lettuce.

Davie, Clara. Time budget analysis of captive parakeet behavior by sex.

Davie, Jeremiah, & Den Haese, Jason. Assessment of student comprehension regarding bacterial preservation techniques in theory and practice.

Davie, Jeremiah, Lin, M.Y., & Williams, J. Isolation of staphylococci from the D’Youville College student population.

Davie, Jeremiah. Characterization of the microbial ecology of urban and sub-urban biomes.

Davie, Jeremiah. Comparative genomic analysis of class I and class II isolates of Haemophilus ducreyi.

Davie, Jeremiah. Identification, characterization and sub-cellular localization of novel potential GTPase activating proteins (GAPs) involved in cytokinesis.


Den Haese, Jason. Comparing micro RNA from patients who were diagnosed with leukemia, went into remission, and then relapsed.

Den Haese, Jason. Different ways to visualize acute myeloid leukemia in vivo.

Den Haese, Jason. Generated a new myeloid cell line from tumors in mice.

Den Haese, Jason. Human leukemia is being evaluated in a mouse model with respect to vitamin D.

Faitar, Silviu. Biochemical characterization of alpha 2 U-globulins (Mups) from strepsirrhine primates and their role in inter-individual communication and the formation of a social hierarchy.

Faitar, Silviu. Immunofluorescence microscopy as a critical confirmation technique in cell cycle-related proteomics studies.

Faitar, Silviu. The involvement of TBC domain-containing proteins in cytokinesis and cell cycle regulation.

Gervasi, Megan. Branching of the dorsal scapular artery from the subclavian artery versus transverse cervical artery.

Gervasi, Megan. Immunofluorescence microscopy as a critical confirmation technique in cell cycle-related proteomics studies.

Gervasi, Megan. Interleukin-33 is a novel target of TGF-β-Smad signaling.

Goodman, Margaret, Nazarenko, A.Y., & Pagels, M. Tris(3-razolyl)-methanes and -ethanes and ligands for metal complexes.

Harris, John. Analysis of periodic orbits under iterated maps.

Hechtel, Laura, Minkiewicz, M.L., & Davie, Clara. Using stomatal density as an indicator of urban habitat quality.

Hechtel, Laura. Examining container breeding mosquitoes’ oviposition choice: Do females become less “choosy” when entering diapause?

Holz, Jonathan, Hall, M., & Puzas, J. Putative mechanisms for the generation of osteoarthritis by lead (Pb).


Hurley, Mary, & Grande, L. Variations on structures in the human body.

Kelly, Martin. Mythbusting integrates knowledge and skill in science and mathematics.

Liwosz, Kacie, & Watson, W. Nanomaterials synthesis and spectroscopic studies of electron transfer and recombination within dye-sensitized solar cells.

Liwosz, Kacie, Colon, B, & Snyder, D. Studies of the effect of plasmon resonance on emission from mixed-composition quantum dots.

Liwosz, Kacie. Fundamental emissive properties of quantum dots and their interactions with other nanomaterials.

Olivieri, Marion, & Hurley, Mary. Assessment of human cadaver dissection as it relates to theoretical and practical knowledge of anatomy.

Olivieri, Marion, & Wollman, Robert. Elucidation of proteinaceous adhesive agents.

Patridge, Christopher. Utilization of heavy alkali dopants as a beacon to study the cathode electrolyte decomposition layer in lithium-ion batteries.

Stewart, David, & Lubecki, L. An investigation of lead bioaccumulation in zebra mussels at realistic environmental concentrations.

Yi, T., Holz, Jonathan, Chang, M., Shang, X., & Dong, Y. Notch inhibits mesenchymal progenitor cell chondrogenic differentiation by targeting Twist1.

Illes, Jennifer, Taylor, John, & Case, S. Rare multiple cystic hygromas causing upper extremity radiculopathy treated with chiropractic care.

Illes, Jennifer. All in the head; Concussion diagnosis and management.

Illes, Jennifer. Pregnancy nutritional essentials.

Illes, Jennifer. Spinal rehabilitation for the lumbar spine.

Illes, Jennifer. Temporomandibular joint disorders: Pain syndrome treated through TMJ next generation device.

Mussmann, Stephanie, & Linaker, K. Impact of review timing on student performance.


Pownall, Lynn, Grande, Stephen, & Rokita, B. Deviations from center of balance: Romberg’s vs Bertec balance check.


Starmer, D., Hink, G., & Grande, Stephen. Using evidence and innovation to enhance the teaching of spinal manipulation.


Border, Kathleen, Michalek, A.M., Rafalson, Lisa, & Hartnett, R. Career decision making and intent to take registration exam: Perspectives of dietetic technician students.

EXERCISE & SPORTS STUDIES

Hamilton, Matthew. Does physical activity feedback have an effect on motivation in undergraduate college students?

Velasquez, James, & Hamilton, Matthew. The implications of alcohol consumption on athletic performance, training, and conditioning.

Velasquez, James. The science of exercise and nutrition: A curriculum guide for high school educators.

HEALTH PROFESSIONS EDUCATION

Nwora, Amy, Ferro, Heather, Brzykcy, Donna, & Russ, Linda. Occupational Therapy students’ perceptions of interprofessional education (IPE) experience.


HEALTH SERVICES ADMINISTRATION


Cadzow, Renee, & Bauer Walker, J. Evaluation of the impact of a CHW training program: A qualitative analysis of participant feedback.
Cadzow, Renee, & Erwin, D. Novel intervention to increase lactation practices by African American women.

Cadzow, Renee, & O’Brien, A. Adolescent perceptions of breastfeeding and future infant feeding intentions.

Cadzow, Renee. Creating health schools and communities component B: Obesity prevention center of excellence.

Clay, Lauren, Gill, K., & Abramson, D. Continued food insecurity post-hurricane Katrina is associated with worse perceived disaster recovery, physical and mental health.

Clay, Lauren, Greer, A., & Kendra, J. Answers from the past, questions for future.

Clay, Lauren, Greer, A., & Kendra, J. Then and now: A new look at methods and findings from the 1974 Xenia, Ohio and 2013 Moore, Oklahoma tornadoes.

Clay, Lauren, Papas, M., Abramson, D., & Kendra, J. Influence of community social institutions on neighborhood disorder: An econometric analysis.

Clay, Lauren, Papas, M., Abramson, D., & Kendra, J. The role of food in disaster recovery.

Clay, Lauren, Papas, M., Abramson, D., & Kendra, J. Understanding the influence of social institutions on perceived neighborhood disorder following hurricane Katrina.

Clay, Lauren. A predictive model of community resilience.

Clay, Lauren. Women and their children’s health (WaTCH) - examining the health impacts of the Gulf Coast oil spill.

Cooky, C., & Cadzow, Renee. Barriers and facilitators to low income girls sport participation.


Leonard, T., Michalek, A., & Rafalson, Lisa. Improving the failure-to-attend occurrences in an inner-city family medical practice: Utilizing SMS text messaging as a patient reminder system.

Papas, M.A., Clay, Lauren, Gill, K., & Abramson, D. Continued food insecurity post-Hurricane Katrina is associated with worse perceived disaster recovery, physical and mental health.

Sabo, D., Cadzow, Renee, & Fiedler, Roger. Adolescent sexual behavior and physical activity (YRBS analysis).


PHYSICAL THERAPY

Wrotniak, Brian, Dentice, S., Mariano, Kathleen, Barry, E., Cowley, A., & Mauro, E. Relationship between gestational weight gain and what women are told about weight gain guidelines during pregnancy.

PHYSICIAN ASSISTANT


Carlson, C., Fraser, M., Omosebi, O., Dunn, Bethany, Finney, Maureen, & Andreeff, Renee. Physician assistant’s practices and attitudes in regard to opioid medications since the implementation of the Internet system for tracking over-prescribing (I-STOP).

Case, Andrew. Navigating the continuum of care through interprofessional simulation education.

Dunn, Bethany, Braisted, K., Dombrowski, L., Hoffman, K., & Finney, Maureen. Perceptions and trends of e-cigarette usage among members of a college community.

Dunn, Bethany, Campbell, C., Glauser, M., Lucky, S., & Finney, Maureen. Examination of factors that determine a woman’s decision to breastfeed.

Finan, C.S., Lickers, C.Z., Matteliano, A.M., & Dunn, Bethany. Assessment of the general knowledge, prevalence
and transmission of Herpes Simplex Type II in suburban western New York primary care practices.

Martucci, C., Weinberg, M., Finney, Maureen, & Dunn, Bethany. Electronic medical record (EMR) training in the PA program: Assessing the need for and degree of didactic EMR training.

School of Nursing

Acorn, M., & Pomeroy, Sherry. Impaired urinary elimination.

Acorn, M., & Pomeroy, Sherry. Readiness for enhanced urinary elimination.


Mariano, Kathleen. Fit families: A family-based behavioral obesity treatment program for young children with obesity.


Pomeroy, Sherry. Impaired physical mobility.

Pomeroy, Sherry. Sedentary lifestyle.

Riester, Pamela. Color vs grayscale: How do patients learn best?

INTERPROFESSIONAL EDUCATION

DeMarco, Lisa, Panzarella, Karen, Ferro, Heather, Pownall, Lynn, Case, Andrew, Nowakowski, Patricia, Stewart, Maxine, Duszkiewicz, Alice, Verni, Christine, Kennedy, Mary Catherine, Cieri, Nicole, Dowd, Colleen, & Dunford, Denise. Outcomes of an interprofessional simulation curriculum.

LIBRARY

Church, Jill. Index for Underprivileged school children and the assault on dignity: Policy challenges and resistance.
Funded Grants

School of Arts, Sciences and Education

Liberal Arts


Nicholas, Lauren. (2014). Health disparities in suburban mobile home communities. D’Youville Faculty Research Grant, $4,800.

School of Health Professions

Health Services Administration


Occupational Therapy


Physical Therapy


School of Nursing


School of Pharmacy


Interprofessional Education

MISSION STATEMENT

D’Youville College is an independent institution of higher education that offers baccalaureate and graduate programs to students of all faiths, cultures, and backgrounds.

D’Youville College honors its Catholic heritage and the spirit of St. Marguerite d’Youville by providing academic, social, spiritual, and professional development in programs that emphasize leadership and service. D’Youville teaches students to contribute to the world community by leading compassionate, productive, and responsible lives.