



## TOP STORIES

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### Alumni Hall of Fame

Congratulations to the first group of inductees into the new Alumni Hall of Fame. This new initiative recognizes alumni who have made significant and sustained contributions to their profession. The first group of inductees include:

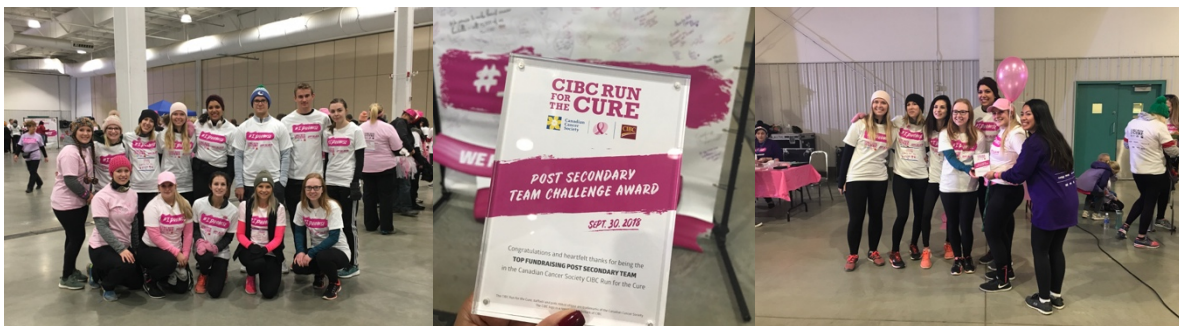
- **Dr. Jim Blackburn** (BSP 1960)
- **Patricia Chuey** (BScNutr 1989, MSc 1994)
- **Dr. Dennis Gorecki** (BSP 1969, PhD 1973)
- **Dr. Lynn Kirkpatrick** (BSP 1978, PhD 1981)
- **Darcy Stann** (BSP 1978)
- **William (Bill) Wilson** (BSP 1969)



The inductees will be formally recognized at the college's awards ceremony in March 2019. [Read more.](#)

### Student Fundraising Award

Congratulations to the pharmacy and nutrition students who were part of the team representing the college at the 2018 CIBC Run for the Cure in Saskatoon on Sunday, September 30. The team raised over \$4,000 for the Canadian Cancer Society and was recognized as the top fundraising team of post-secondary students. Teams from every pharmacy school across Canada participate annually in the fundraiser through the local CAPSI representatives.





## MORE COLLEGE NEWS

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### Class of 2022 White Coat Ceremony

Congratulations our new Doctor of Pharmacy class on receiving their white coats at a ceremony on Sunday, October 28. Thank you to Master of Ceremonies **Dr. Yvonne Shevchuk**, as well as **Dr. Patricia McDougall** for providing greetings from the university, **Christine Hrudka (BSP 1982)** for providing the keynote address, and the following people who acted as dressers for the students:

- **Rod Amaya**, Council Member, Saskatchewan College of Pharmacy Professionals
- **John Stanzeleit**, Vice-Chair, Pharmacy Association of Saskatchewan
- **Dr. Kishor Wasan**, Dean
- **Japheth Bool**, Co-President, SPNSS
- **Meghanne Rieder**, Senior Stick
- **Danielle Shymanski**, CAPSI representative
- **Christine Hrudka**, Chair, Canadian Pharmacists Association
- **Jeana Wendel**, Registrar, Saskatchewan College of Pharmacy Professionals
- **Dr. Kerry Mansell**, Assistant Dean, Pharmacy





## MORE COLLEGE NEWS

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Congratulations to **Lara Carlson, Kelly Hu, Courtney Chan, and Amanda McLeod** who will represent the U of S in the compounding competition at Professional Development Week 2019.

Congratulations to **Rebecca Weckworth** and **Kaylee Halvorson** who were named to the Huskie Athletics All-Academic Team for the 2017-18 season. [Read more.](#)



## FACULTY AND STAFF NEWS

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In October, the college celebrated **Karen Jensen's** retirement after 18 years with medSask. Karen has played a critical role in advancing the scope of pharmacy practice on provincial and national levels, most recently with her leadership in the development of prescribing guidelines for minor ailments and self-care conditions. Congratulations, Karen!

With Karen's retirement, updates have been made to the organizational structure of medSask and Continuing Professional Development for Pharmacy Professionals as these organizations work closely together:

- **Dr. Charity Evans** is now the Director of both medSask and CPDPP
- **Danielle Laroque** is now the Association Director of both medSask and CPDPP
- **Dr. Yvonne Shevchuk** is now the Director of RxFiles Academic Detailing Program



Welcome to the following people who have joined the college:

- **Taisa Trischuk**, Information Support Pharmacist with RxFiles on Monday, September 24.
- **Kerry Alcorn**, Coordinator, Program Evaluation and Assessment on Monday, September 24.
- **Alex Crawley**, Associate Director of RxFiles Academic Detailing on Monday, October 22.

**Kelly Kizlyk** has accepted a joint position as a Drug Information Consultant (medSask) and Program Specialist (CPDPP).

**Shannon Wiens** is our October Staff Spotlight. Shannon joined the College of Pharmacy and Nutrition in the role of Administration and Planning Specialist in May of 2015. [Read more.](#)

**Dr. David Blackburn** received an extension of his Research Chair in Patient Adherence to April 2020.

**Dr. Kishor Wasan** was reelected as secretary for the Canadian Academy of Health Sciences for an additional year.



## FACULTY AND STAFF NEWS

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**Dr. Derek Jorgenson** was invited to deliver a keynote presentation at the International Pharmaceutical Federation (FIP) World Congress of Pharmacy and Pharmaceutical Sciences in Glasgow, Scotland this September, on the topic of experiential learning and practice change. He described the experience of Medication Assessment Centre in his presentation "Experiential education and practice transformation: An examination of how pharmacy schools in Canada have opened non-dispensing patient care clinics that are located within the schools."

**Dr. Derek Jorgenson** and **Eric Landry** also presented research posters at FIP Glasgow:

- "Evaluation of Student Learning Outcomes at a Patient Care Clinic Located within a Pharmacy School"
- "Medication Cost Changes of Patients Referred to a Patient Care Clinic Located in a Pharmacy School"

**Dr. Susan Whiting** was an invited speaker at the 3<sup>rd</sup> International Forum on Milk and Health in Mexico City, October 9-10. Her talk was entitled "Calcium: important for muscle and bone health."

**Dr. Kate Dadachova** served as a reviewer on Pharmacology and Toxicology CIHR Review Panel in May and will be serving again on the same panel in December. She was also invited to become an Academic Editor of PLOS ONE in the area of Radiation Therapy.

**Marlys Lebras** presented at the Saskatchewan College of Family Physicians Family Medicine Conference on Saturday, September 22 on "RxFiles: A Drug Related Update" and at the Canadian Society of Hospital Pharmacists Saskatchewan Branch Conference on Saturday, October 27 on "Top Practice Changing Trials of 2018."

**Dr. Lesley Moisey** was invited to speak at the Western Canada Nutrition Day on Saturday, October 20 on "Nutrition in Survivors of Critical Illness: Why it Matters and How We Can Improve."

**Dr. Robert Laprairie** presented on the research occurring in his lab at:

- The Western Canadian Medicinal Chemistry Workshop on Friday, September 21
- The Canadian Society for Advancement of Gynaecological Excellence on Thursday, September 27
- RUH Neurology Grand Rounds on Friday, October 5
- Dalhousie University as an invited speaker on Saturday, October 13

**Drs. Carol Henry** and **Susan Whiting** were nominated for the Canadian Women in Global Health List.

**Dr. Carol Henry** was a panelist at the Canadian International Food Security Research Fund event "Toward a food secure future: Lessons from CIFSRF and beyond" and showcased her research project's key results in "Scaling up Pulse Innovations for Food and Nutrition Security in southern Ethiopia".



## FACULTY AND STAFF NEWS

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### IN THE MEDIA

**Dr. Robert Laprairie** spoke with CBC Saskatoon on Thursday, September 6 about the renewed emphasis on understanding cannabis with legalization. [Read more.](#)

**Kelly Kizlyk** was on Global Saskatoon Morning News on Wednesday, September 12 to talk about back-to-school health issues. [Watch the video.](#)

**Dr. Holly Mansell** was featured by the university's research office for her work to develop educational tools to help kidney transplant patients follow post-surgery medication regimens. [Read more.](#)

**Dr. Jane Alcorn** was quoted in a news release by the university on the three-year memorandum of understanding with Sundial Growers Inc. The MOU outlines plans to undertake collaborative research exploring opportunities for clinical testing and other research activities that support the advancement of cannabis-related health solutions. [Read more.](#)

**Dr. Robert Laprairie** was interviewed by CBC News for an article on cannabis for seniors on Sunday, October 7. [Read more.](#)

**Kelly Kizlyk** was on Global Saskatoon Morning News on Wednesday, October 10 to talk about using recreational cannabis for medical purposes. [Watch the video.](#)

Pharmacy post-doctoral researcher **Mays Al-Dulaymi** was featured in the Young Innovators series in the Monday, October 22 Saskatoon Star Phoenix for her work to develop nanoparticles that may more efficiently and safely carry genes into cells. [Read more.](#)

**Dr. Robert Laprairie** was interviewed for a Monday, October 22 The Sheaf article about cannabis research. [Read more.](#)

### ALUMNI NEWS

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Thank you to the Lieutenant Governor of Ontario **Elizabeth Dowdeswell (BScHEc 1966)** for taking the time to meeting with the dean while visiting the university on Wednesday, September 19.

**Amy Smith-Morris (BSP 2010)** was featured as the cover story in the fall Green & White Alumni Magazine. The article tells the story of how Amy used her expertise as a pharmacist and experience as a patient to help educate the public about cancer treatments. [Read more.](#)



**Scott Livingstone (BSP 1988, MSc 1994)** was interviewed for an article in the Green & White Alumni Magazine about Saskatchewan Health Authority's response to the Humboldt bus tragedy. [Read more.](#)



## ALUMNI NEWS

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Congratulations to **Dr. Larry Lynd (BSP 1986)** who was named a Fellow of the Canadian Academy of Health Sciences. [Read more.](#)

To kick off this year's influenza immunization season, **Lindsay Karst (BSP 2006)** provided flu shots to Premier Scott Moe and Minister of Health Jim Reiter. [Read more.](#)

**Beth Kessler (BSP 2008)** was featured in a Global News article in October as pharmacists are now able to hold flu vaccine clinics outside of pharmacies. [Read more.](#)

**Brooke Bulloch (BScNutr 2009)** was on Global Saskatoon Morning News yesterday to talk about processed foods and how some of these foods can be incorporated into a healthy diet. [Watch the video.](#)

**Sophia Khan (BScNutr 2017)** was on Global Saskatoon Morning News on Tuesday, September 25 to talk about foods that help support the immune system. [Watch the video.](#)

**Brooke Bulloch (BScNutr 2009)** spoke with Global News about detoxes and cleanses (and why they're not necessary). [Read more.](#)

**Dr. Michael Beazely (BSP 2000)** spoke with CBC News on Monday, October 15 about the steep learning curve for pharmacists now that marijuana is legal in Canada. [Read more.](#)

**Brooke Bulloch (BScNutr 2009)** was on Global Saskatoon Morning News on Tuesday, October 16 to talk about locally grown crops and recipes using those ingredients. [Watch the video.](#)

## EVENTS

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### UPCOMING EVENTS

**Stacherogy** will take place on **Friday, November 2**. This graduation fundraiser that aims to strengthen student-faculty relations.

The **SPNSS Winter Formal** will take place on **Friday, November 23** at TCU Place. Proceeds from this year's event will go to Autism Services of Saskatoon. [More information.](#)

The **College Holiday Party** will take place on **Saturday, December 8**, and includes a children's party and adult-only supper.

The **Dietitians of Canada Saskatchewan Nutrition Research Day** will take place on **Thursday, April 25** at the Pasqua Hospital Auditorium in Regina. Further details to follow early next year.

Planning is underway for our 2019 alumni engagement events. Details to follow in upcoming newsletters and on social media.



## EVENTS

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### PAST EVENTS

The SPNSS Student Faculty Golf Tournament and the Annual Graduate Student/Trainee Welcome Barbecue were held on **Friday, September 14**.

On **Thursday, September 20**, American Association of Pharmaceutical Scientists Past President **Dr. Binodh DeSilva** spoke to our faculty and graduate students for the **AAPS Student Chapter Visiting Scientist Day**.

The **Food and Nutrition Lab Open House** was held on **Friday, September 28**.

On **Thursday, October 18**, **Drs. Kelly Penz and Adam Stacey** presented at this year's **Pharmacy and Nutrition Professional Enhancement Day** on burnout in the healthcare professions.

## RESEARCH AND GRADUATE STUDIES

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### SPOTLIGHT ON RESEARCH

Congratulations to our October Trainee Spotlight **Munawar Mohammed**. His research focuses on developing oral polymeric nanoparticles for sustained drug release. [Read more.](#)

### TRAINEE SUCCESS

Congratulations to our MSc and PhD Graduates!

Fourteen former graduate students received their degrees at Fall Convocation 2018 on Saturday, October 27:

#### PhD

##### **Mays Al-Dulyami**

Thesis – Pharmacy: Development of Peptide-Modified Gemini Surfactants as Non-Viral Gene Delivery System  
Supervisors: Drs. Ildiko Badea and Anas El-Aneed

##### **Allison Cammer**

Thesis – Nutrition: Nutrition Care for Long-Term Care Residents With Dementia in Urban and Rural Contexts: An Evidence Based Practice Examination of the Role of Care Aides and Registered Dietitians

Supervisors: Drs. Susan Whiting and Debra Morgan

##### **Maryam Ershad Langroodi**

Thesis – Nutrition: Antioxidant and Mitochondrial Mechanisms of Protection by Anthocyanins and Resveratrol Against Mixed Micelle-Induced Oxidative Stress and Monolayer Permeability in Caco-2 Epithelial Cells

Supervisors: Drs. Brian Bandy and Mark Shigenaga

##### **Maryam Kazemi**

Thesis – Nutrition: A Multidisciplinary Lifestyle Intervention for Women with Polycystic Ovary Syndrome: The Role of a Pulse-Based Diet and Aerobic Exercise on Reproductive, Cardio-Metabolic, and Quality of Life Outcomes

Supervisors: Drs. Gord Zello and Donna Chizen



## RESEARCH AND GRADUATE STUDIES

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### **Waleed Mohammed Saeid**

Thesis – Pharmacy: Novel Gemini Surfactant-based Gene/Drug Delivery Systems: Potential Applications in Melanoma Therapy

Supervisors: Drs. Ildiko Badea and Anas El-Aneed

### **Grant Wilson**

Thesis – Pharmacy: The Effect of Market Orientation, Entrepreneurial Orientation, and Innovation on Organizational Performance

Supervisor: Dr. Jason Perepelkin

### MSc

### **Kelly Buxton**

Thesis – Pharmacy: Self-Monitoring of Blood Glucose and Hypoglycemia-Related Healthcare Utilization in Saskatchewan

Supervisor: Dr. David Blackburn

### **Ahlam Hawsawi**

Thesis – Pharmacy: Flaxseed Lignan Metabolites Modulate Hepatocellular Cholesterol Trafficking In HepaRG

Supervisor: Dr. Jane Alcorn

### **Kinjal Lakhani**

Thesis – Pharmacy: Synthesis and Bioactivities of Novel N1-Acylhydrazides

Supervisors: Drs. Jonathan Dimmock and Rajendra Sharma

### **Xue (Angie) Li**

Thesis – Nutrition: The Impact of Protein-Energy Malnutrition after Stroke on Recovery of Walking in Rats

Supervisor: Dr. Phyllis Paterson

### **Munawar Ali Mohammed**

Thesis – Pharmacy: Development of Once-Daily Mycophenolate Mofetil Sustained Release Oral Nanoparticles

Supervisor: Dr. Ellen Wasan

### **Renee Ramikie**

Thesis – Nutrition: Feasibility and Acceptability of a Nutrition Intervention to Promote Consumption of Pulse-Based Food Products in Childcare Centres in Saskatchewan

Supervisor: Dr. Carol Henry

### **Shujun (Jennifer) Xiao**

Thesis – Pharmacy: Antitumor Effect of the Combination of Exogenous Sphingosine-1-phosphate (S1P), S1P Receptor 1 (S1PR1) Antibody and Carboplatin Against Human Breast Cancer Cells

Supervisor: Dr. Jian Yang

### **Ayat Zagzoog**

Thesis – Pharmacy: Investigation of Ligand Size on Targeted PLGA Nanoparticles for HER2 Breast Cancer:

Trastuzumab and its ScFv Anti-HER2 Antibody

Supervisor: Dr. Azita Haddadi





## RESEARCH AND GRADUATE STUDIES

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### External Award Recipients

PhD student **Saniya Alwani** (supervisor: Dr. Ildiko Badea) was awarded the **Elsevier Gold Young Scholar Award** at the 29th International Conference on Diamond and Carbon Materials held in Dubrovnik, Croatia from September 2-6, 2018. This award honours a predoctoral researcher in an early stage of his or her career, chosen for research potential as well as the scientific merit of his or her project. Sania was selected from over 400 abstract submissions and six PhD finalists to give both a poster and oral presentation of Nanodiamonds for Gene Delivery: Chemical Design and Biological Interaction Studies.



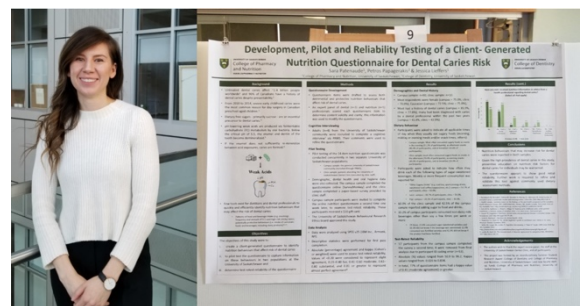
### Summer Students

Seventeen summer students presented at the 2nd Annual Undergraduate Research Day, August 29 and September 6. Cash prizes for best posters, made possible by Gilead Sciences Inc., were awarded to:

**Hishaam Bhimji**, 3rd year Pharmacy, 1st Prize (\$250) for Medication Cost Changes of Patients Referred to a Patient Care Clinic Located in a Pharmacy School, co-authored with Derek Jorgenson, Eric Landry, and Katherine Lysak, supervised by Dr. Jorgenson.



**Sara Patenaude**, 3rd year Nutrition, 2nd Prize tied (\$125) for Development, Pilot and Reliability Testing of a Client-generated Nutrition Questionnaire for Dental Caries Risk, co-authored with Petros Papagerakis and Jessica Lieffers, supervised by Drs. Lieffers and Papagerakis.

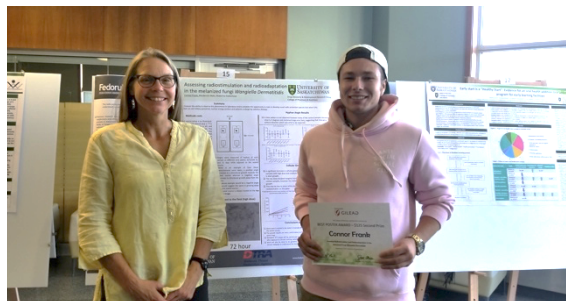




## RESEARCH AND GRADUATE STUDIES

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**Connor Frank**, 2nd year Biochemistry, 2nd Prize tied (\$125) for Assessing Radiostimulation and Radioadaptation in the Melanized Fungi *Wangiella* Dermatitis, co-authored with Mackenzie Malo and Ekaterina Dadachova, supervised by **Dr. Dadachova**.



## RESEARCH FUNDING

**Kate Dadachova** and Gordon Sarty (Psychology) were awarded a 3-year \$200,000 grant from the Canadian Space Agency's Flights and Fieldwork for the Advancement of Science and Technology Announcement of Opportunity for the project Protecting astronauts from space radiation-induced carcinogenesis and CNS damage with melanin-containing food and materials.

The College of Pharmacy and Nutrition is pleased to award \$40,000 in Seed Grant funding, \$3,900 from the Infrastructure Research Program, and \$40,000 from the Grants Incentive Program to the following researchers:

- **Ildiko Badea**, \$20,000 for the project Nanogold Enhanced Radiofrequency Ablation with collaborators Drs. C. Zhang (Engineering) and M. Moser (Medicine).
- **Lesley Moisey**, \$20,000 for the project Health Care Professionals' Views and Attitudes on the Nutrition of Survivors of Critical Illness in the Acute Care Setting: An Interpretive Description, with collaborators Drs. S. Jack (Nursing) and H. Mansell, and Ms. N. Rodych, RD (SK Health Authority).
- **Ed Krol**, \$3,900 for the purchase of an Agilent 1200 HPLC system computer and fluorescence cell.
- **Kate Dadachova**, \$40,000 for the project Developing radioimmunotherapy of osteosarcoma using comparative oncology approach.

## RECENT PUBLICATIONS

- \*Al-Dulaymi M, Michel D, Chitanda J, **El-Aneed A**, Verrall R, Grochulski P, **Badea I** (2018) Molecular Engineering as an Approach To Modulate Gene Delivery Efficiency of Peptide-Modified Gemini Surfactants, Bioconjugate Chemistry, pp: acs.bioconjchem.8b00480
- \*Almoussa A, Meurens F, **Krol E**, **Alcorn J** (2018) Linoorbitides and enterolactone mitigate inflammation-induced oxidative stress and loss of intestinal epithelial barrier integrity. International Immunopharmacology, vol: 64 pp: 42-51
- Chidambaram S, Bhat A, Ray B, Sugumar M, Muthukumar S, Manivasagam T, Justin Thenmozhi A, Essa M, Guillemin G, **Sakharkar M**. (2018) Cocoa beans improve mitochondrial biogenesis via PPAR $\gamma$ /PGC1 $\alpha$  dependent signalling pathway in MPP intoxicated human neuroblastoma cells (SH-SY5Y). Nutritional Neuroscience, pp: 1-10.
- \*Ersino G, **Zello G**, **Henry C**, Regassa N (2018) Gender and household structure factors associated with maternal and child undernutrition in rural communities in Ethiopia. PLOS ONE, vol: 13 (10) pp: e0203914
- Grim T, Park S, Schmid C, **Laprairie R**, Cameron M, Bohn L (2018) The effect of quinine in two bottle choice procedures in C57BL6 mice: Opioid preference, somatic withdrawal, and pharmacokinetic outcomes. Drug and alcohol dependence, vol: 191 pp: 195-202



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**RESEARCH AND GRADUATE STUDIES**

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- Högg T, Wijnands J, Kingwell E, Zhu F, Lu X, **Evans C**, Fisk J, Marrie R, Zhao Y, Tremlett H (2018) Mining healthcare data for markers of the multiple sclerosis prodrome. *Multiple Sclerosis and Related Disorders*, vol: 25 pp: 232-240
- Hubick S, Jayaraman A, McKeen A, Reid S, **Alcorn J**, Stavrinides J, Sterenberg B (2018) A potent synthetic inorganic antibiotic with activity against drug-resistant pathogens. *Scientific Reports*, vol: 7 pp: 41999
- Kang M, Kim E, Temoçin Z, Li J, **Dadachova E**, Wang Z, Panzella L, Napolitano A, Bentley W, Payne G (2018) Reverse Engineering To Characterize Redox Properties: Revealing Melanin's Redox Activity through Mediated Electrochemical Probing. *Chemistry of Materials*, vol: 30 (17) pp: 5814-5826
- \*Kazemi M, \*McBreairty L, Chizen D, Pierson R, Chillbeck P, **Zello G** (2018) A Comparison of a Pulse-Based Diet and the Therapeutic Lifestyle Changes Diet in Combination with Exercise and Health Counselling on the Cardio-Metabolic Risk Profile in Women with Polycystic Ovary Syndrome: A Randomized Controlled Trial. *Nutrients*, vol: 10 (10) pp: 1387
- \*Khamis M, Adamko D, Purves R, **El-Aneed A** (2018) Quantitative determination of potential urine biomarkers of respiratory illnesses using new targeted metabolomic approach. *Analytica Chimica Acta*
- \*Khamis M, Holt T, Awad H, **El-Aneed A**, Adamko D (2018) Comparative analysis of creatinine and osmolality as urine normalization strategies in targeted metabolomics for the differential diagnosis of asthma and COPD. *Metabolomics*, vol: 14 (9) pp: 115
- Lysak K, **Berenbaum S**, Landry E, Mulhall S, **Perepelkin J**, **Shevchuk Y**, **Taylor J**, **Jorgenson D** (2018) Student perceptions of an experiential education clinic within a pharmacy school. *Currents in Pharmacy Teaching and Learning*
- Marrie R, Ekuma O, Wijnands J, Kingwell E, Zhu F, Zhao Y, Fisk J, **Evans C**, Tremlett H (2018) Identifying optic neuritis and transverse myelitis using administrative data. *Multiple Sclerosis and Related Disorders*, vol: 25 pp: 258-264
- \*Mohammed M, **Mansell H**, Shoker A, **Wasan K**, **Wasan E**. (2018) Development and in vitro characterization of chitosan-coated polymeric nanoparticles for oral delivery and sustained release of the immunosuppressant drug mycophenolate mofetil. *Drug Development and Industrial Pharmacy*, pp: 1-12
- Morris A, Rennert-May E, Dalton B, Daneman N, Dresser L, Fanella S, Grant J, Keynan Y, Le Saux N, McDonald J, **Shevchuk Y**, Thirion D, Conly J (2018) Rationale and development of a business case for antimicrobial stewardship programs in acute care hospital settings. *Antimicrobial Resistance & Infection Control*, vol: 7 (1) pp: 104
- Omer A, Muluaem D, Classen H, **Vatanparast H**, **Whiting S** (2018) A Community Poultry Intervention to Promote Egg and Eggshell Powder Consumption by Young Children in Halaba Special Woreda, SNNPR, Ethiopia. *Journal of Agricultural Science*, vol: 10 (5) pp: 1
- Roth D, Abrams S, Aloia J, Bergeron G, Bourassa M, Brown K, Calvo M, Cashman K, Combs G, De-Regil L, Jefferds M, Jones K, Kapner H, Martineau A, Neufeld L, Schleicher R, Thacher T, **Whiting S**. (2018) Global prevalence and disease burden of vitamin D deficiency: a roadmap for action in low- and middle-income countries. *Annals of the New York Academy of Sciences*, vol: 1430 (1) pp: 44-79
- Toguri J, Leishman E, Szczesniak A, **Laprairie R**, Oehler O, Straiker A, Kelly M, Bradshaw H (2018) Inflammation and CB2 signaling drive novel changes in the ocular lipidome and regulate immune cell activity in the eye. *Prostaglandins & Other Lipid Mediators*