

## College of Pharmacy and Nutrition

Proud of Our Tradition and Home of Research and Practice Innovation



## Dean's Newsletter

### Issue 12, September 2016

The Dean's newsletter is published every second month and provides updates on academics, research, events, and other items of interest. Join us in celebrating our achievements by submitting your updates to [kieran.kobitz@usask.ca](mailto:kieran.kobitz@usask.ca).

### TOP STORIES

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#### CIHR and SHRF Grants

**Dr. Charity Evans** (principal investigator), with co-investigator **Dr. David Blackburn** and their colleagues, were awarded \$282,865 over three years from the Canadian Institutes of Health Sciences for their project titled "Medication adherence in multiple sclerosis: a model for other chronic diseases."

Dr. Evans was also awarded \$78,700 over two years from the Saskatchewan Health Research Foundation for her project titled "Establishing the incidence and prevalence of multiple sclerosis in Saskatchewan."



#### CIHR Master's Award

Congratulations to **Katherine Ford**, who has been awarded a Master's Award: Frederick Banting and Charles Best Canada Graduate Scholarship by the Canadian Institutes of Health Research. These scholarships, which are designed to support students who have demonstrated excellence during their undergraduate and early graduate studies, are among the most prestigious awards offered to Master's students in Canada.

Katherine is undertaking her Master's research in Nutrition with **Dr. Susan Whiting**. [Read more.](#)



#### Plant Phenotyping and Imaging Research Centre

The University of Saskatchewan marked the official launch of its unique Plant Phenotyping and Imaging Research Centre on Monday, August 29, with an international symposium and demonstration of new drone technology to be used in novel crop development approaches. Nutrition researchers from the College will be involved in the work conducted at this new centre. [Read more.](#)



## MORE COLLEGE NEWS

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### IN THE MEDIA

On Monday, July 26, **Dr. Carol Henry** was featured in a Saskatoon StarPhoenix article about the U of S partnership with Hawassa University to promote the use of local protein-rich pulse crops. The project is expanding to help an estimated 70,000 farm families in drought-stricken Ethiopia. [Read the article.](#)



**Dr. Susan Whiting** was featured in a Wednesday, August 3, Darpan Magazine article about Vitamin D supplements. [Read the article.](#)

**Dr. Susan Whiting** was quoted in a Friday, August 12, Saskatoon StarPhoenix article about the impact of Saskatchewan Assured Income for Disability cuts on people with special diets. [Read the article.](#)

**Dr. Carol Henry** was quoted in a Thursday, August 18, Regina Leader-Post article about the value of pulse crops. The newspaper is taking an in-depth look into this industry, with a four-part series entitled “The Power of Pulses.” [Read the article.](#)

Pharmacy PhD candidate **Ahmed Almousa** was featured as the New Investigator Spotlight in a recent edition of the International Society for the Study of Xenobiotics Newsletter. Read more about Ahmed's work in the [ISSX Newsletter.](#)



Nutrition student **Sarah Crawford** was in Uganda this summer with the Queen Elizabeth II Diamond Jubilee Scholarship, and she documented her trip on her blog PrairieGirlWandering. [Read the blog.](#)

Over the last few months we've been rebuilding the College website using the new design template developed by the University of Saskatchewan. Work will continue during the fall to improve the new website. The primary goal will be to streamline the content on our program pages to ensure the information is more clear and concise. [Visit the website.](#)

The **Saskatchewan Pharmacy & Nutrition Student Society** also built a new website this summer. [Visit the website.](#)

### Nutrition Undergraduate Award

Nutrition student **Lindsay deBoer**'s research paper was selected as the winning paper in the undergraduate category of the Dr. Elizabeth Feniak Award for Excellence in Technical Writing.



## MORE COLLEGE NEWS (cont'd)

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### CAPSI UPDATE

*Submitted by: Kaitlyn Tress, Shivani Trivedi*

The University of Saskatchewan CAPSI council hosted three international students throughout the summer months. These students were positioned in community pharmacies and spent their free time with the IPSF local representatives experiencing the culture within Saskatoon.



The students are pictured from left to right: **Kierra Kamiyokisikwe**, Marta Pascual Sanchez from Spain, Pow-wow dancer at Wanuskewin, Melanie Murst from France, Agota Torzsok from Hungary, IPSF Senior **Roya Nabi**.

**Roya Nabi**, IPSF Senior, had the opportunity to participate in the IPSF Student Exchange Program from Tuesday, July 5, to Monday, August 1, in Port Elizabeth, South Africa. The duration of her exchange was from July 5 to August 1, 2016 in Port Elizabeth, South Africa. She worked at Aloe Pharmacy, an independently owned community pharmacy in the private health sector, located in Walmer, PE. They had a nurse ("sister") on site for the injections and HIV counselling.

**Kaitlyn Tress**, CAPSI Senior, was able to represent Canada on an international level as she joined 160 other pharmacy students in Harare, Zimbabwe, for the 62nd IPSF World Congress from Friday, July 29, to Friday, August 12. Kaitlyn was selected to be an Official Delegate for Canada and provided insight into Canadian pharmacy to other representatives throughout the world. Kaitlyn is pictured on the right.





## MORE COLLEGE NEWS (cont'd)

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CAPSI representatives were welcomed to the second annual Kinsmen Healthy Family Day, which occurred on Wednesday, August 17, in the Bessborough Gardens. Many community groups, including CAPSI, had the chance to speak to families and individuals about pharmacists' scope of practice and what pharmacists can do for their patients.

In tradition, CAPSI will be participating in Run for the Cure set to happen on Sunday, October 2, at 10:00 am. Students in both pharmacy and nutrition, as well as staff, faculty, and alumni are welcomed to come out for the occasion, and can join under the team name "USask Pharmacy and Nutrition." Donations and registration can take place on the [CIBC Run for the Cure team page](#).

## FACULTY AND STAFF NEWS

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**Jenna Anderson (BSP, 2011)** joined the College as the Pharmacy Structured Practice Experiences Coordinator and Instructor on Monday, August 8.

**Kevin Riffel** joined the College as the new Coordinator, Program Evaluation and Assessment, on Thursday, September 1.

Congratulations to **Courtney Quiring** and **Dr. Jaris Swidrovich**, who have returned for the 2016-17 academic year as Lecturers in the College.

The College bid farewell to the following people over the summer:

- **Leanne Berglund** served the College for three years as Finance Officer.
- **Nora Jacek** worked for CPDPP since April 2003.
- **Stephanie Mulhall** moved to the Office of the Vice-Provost, Teaching & Learning to serve as the Assessment Coordinator.

We wish them well as they move on in their careers!

Our next Staff Spotlight is **Claire Sutton**. As the Undergraduate Program Secretary and College Receptionist, she is the first contact that many students or visitors have when they visit or call the College.

[Read more.](#)

**Dr. Jason Perepelkin** and his colleague Dr. Phil Woods from Griffiths University, Australia, delivered a workshop at the International Social Pharmacy Workshop conference in Aberdeen, Scotland. The title of the workshop was: Going global in the pharmacy classroom: International collaborative teaching using compare-contrast learning & assessment.







## FACULTY AND STAFF NEWS (cont'd)

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**Dr. Derek Jorgensen** presented one of the keynote addresses at the Lifelong Learning in Pharmacy International Conference in Split, Croatia. The work he presented was co-authored by **Eric Landry** and **Katherine Lysak**. Phil Woods presented another keynote address at the conference, which included work co-authored by **Dr. Jason Perepelkin**.

Congratulations to **Dr. Kishor Wasan** for receiving the 2016 American Association of Pharmaceutical Scientists (AAPS) Certificate of Appreciation Award for outstanding performance as the Faculty Advisor for the University of Saskatchewan AAPS Student Chapter.

Congratulations to **Dr. Kishor Wasan** who will assume the role of Chair of the Council of Health Science Deans with the Association of Faculties of Pharmacy of Canada effective September 1, 2016.

## ALUMNI NEWS

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During the 2016 SPEP rotation in Ghana, six of our now alumni and their preceptors wrote a journal article entitled "Should Entry-to-Practice Doctor of Pharmacy (PharmD) Curricula Have at Least One Mandatory Experiential Internship Focusing on Cultural Awareness Training?" Three students and one preceptor each took on the pro and con sides to answer the question proposed in the article's title. The authors include:

- The Pro Side: **Jayesh Changela (BSP, 2016)**, **Madison Schmidt (BSP, 2016)**, **Carly Caixeiro (BSP, 2016)**, and preceptor **Dr. Kyle J Wilby (BSP, 2008)**.
- The Con Side: **Darren Bogle (BSP, 2016)**, **Kayla Glatt (BSP, 2016)**, **Trevor Kwan (BSP, 2016)**, and preceptor **Dr. Maria Paiva (BSP, 2007)**.

Read the article on [The Canadian Journal of Hospital Pharmacy website](#).

**Brooke Bulloch (BScNutri, 2009)** was on Global Saskatoon Morning News through July and August to speak on the following topics:

- New nutrition guidelines for females. [Watch the video.](#)
- Tips on how to get kids to eat vegetables. [Watch the video.](#)
- Vegan diets for children and the steps needed to ensure healthy eating patterns. [Watch the video.](#)
- Healthy snacks for kids while at school. [Watch the video.](#)

**Shelby Dougall (BSP, 2015)** was featured in a Regina Leader-Post article on Monday, June 20, about research projects being conducted in the Regina Qu'Appelle Health Region. Shelby spoke about the Accountable Care Unit pilot project at the Pasqua Hospital, and how pharmacist interventions have resolved more drug-related problems. [Read the article.](#)

**Steph Langdon's (BScNutri, 2010)** blog series, "What RDs Do" helps to raise the profile of dietitians. Read about how and why she started the blog on the [Dietitians of Canada Practice Blog](#).



## ALUMNI NEWS (cont'd)

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Congratulations to **Robert Pammett (BSP 2010, MSc 2014)** on receiving the 2016 Canadian Foundation for Pharmacy Graduate Student Award for Pharmacy Practice Research from the Association of Faculties of Pharmacy of Canada.

A number of our alumni received CSHP Awards this year, and the College has been highlighting them individually on social media throughout the summer. After the awards appear on social media, they're presented in the following newsletter:

- Congratulations to **Bill Semchuk (BSP, 1986)** and **Jeremy Slobodan (BSP, 2000)**, and their colleagues, on receiving one of the 2016 Pharmacotherapy Best Practices Award from the Canadian Society of Hospital Pharmacists.
- Congratulations to **Tania Mysak (BPS, 1996)**, and her colleagues, on being awarded one of the 2016 Patient Care Enhancement Award from the Canadian Society of Hospital Pharmacists.
- Congratulations to **Donna Woloschuk (BSP, 1982)** on receiving the one of the 2016 Safe Medication Practices Awards from the Canadian Society of Hospital Pharmacists.



***Do you have alumni news to share? Submit your story to [kieran.kobitz@usask.ca](mailto:kieran.kobitz@usask.ca) to be featured in our next newsletter.***

## EVENTS

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### UPCOMING EVENTS

Registration is now open for the 5th **Western Canadian Medicinal Chemistry Workshop**, which will be held in Saskatoon on September 23-25. The College's **Dr. Ed Krol** chairs the conference. More information can be found on the [WCMCW website](#).

The **International Year of the Pulses** continues the week of September 12 to celebrate "Back to School with Pulses." Event details to follow on the College's social media and website.

The annual **Pharmacy Professional Enhancement Day** will be held on Tuesday, October 4, in Health Sciences E1150 at 5:30 pm. Dr. Dave Hepburn will speak about medical marijuana. The event is open to the public and further details will follow on the College's social media and website.



## RESEARCH AND GRADUATE STUDIES

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### SPOTLIGHT ON RESEARCH

Congratulations to **Dr. Azita Haddadi** who is our September Researcher of the Month.

Azita is an associate professor of Pharmacy and a member of the Drug Discovery and Development Research Group. Her research focuses on overcoming ongoing challenges in cancer therapy. Notably, her lab develops and investigates novel nanoparticles for cancer immunotherapy and chemotherapy.

[Read more.](#)



### TRAINEE SUCCESS

#### Program Update

Congratulations to **Reem Alomari** (Nutrition MSc with Dr. Susan Whiting), who completed her degree requirements over the summer.

Nine new graduate students have been confirmed to start their studies this fall: please welcome **Sukina Albuhsain** (Pharmacy MSc with Drs. Hector Caruncho and Lisa Kalynchuk), **Se'era Anstruther** (Nutrition MSc with Dr. Hassan Vatanparast), **Natasha Breward** (Pharmacy MSc with Dr. Adil Nazarali), **Fatma Elessawy** (Pharmacy MSc with Drs. Anas El-Aneed and Randy Purves), **Kang Jiang** (Pharmacy MSc with Dr. Anas El-Aneed), **Wei Jin** (Pharmacy PhD with Dr. Anas El-Aneed), **Asmita Poudel** (Pharmacy MSc with Dr. Anas El-Aneed), **Sandra Rosero Tapia** (Nutrition MSc with Dr. Gord Zello), **Shuyu Shang** (Pharmacy MSc with Drs. Jane Alcorn and Martin Reaney).

We also welcomed Dr. **George Gachumi**, who is undertaking a postdoctoral fellowship with Dr. Anas El-Aneed, to the College this summer.

#### External Award Recipients

**Wei Jin** has been awarded an **NSERC Postgraduate Scholarship-Doctoral** award for three years. Wei is beginning his PhD studies with Dr. Anas El-Aneed this fall.

**Elham Zeninezhad-Movsassagh** has received the 2016-2017 **Hope Hunt Scholarship**. Elham is a senior PhD student working with Dr. Hassan Vatanparast.

#### College Award Recipients

The College is pleased to announce that the following students have been awarded scholarships for the 2016-2017 academic year:

#### **Pharmacy and Nutrition Graduate Scholarship**

Chukwunonso Kingsley Nwabufu, Pharmacy MSc (Supervisor: Dr. Ed Krol)

Siyi He, Nutrition MSc (Supervisor: Dr. Phyllis Paterson)



## RESEARCH AND GRADUATE STUDIES (cont'd)

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### **New Faculty Graduate Scholarship**

Joshua Allen, Pharmacy MSc (Supervisors: Drs. Hector Caruncho and Lisa Kalynchuk)

### **Apotex Award (Pharmacy)**

Wei Jin, Pharmacy PhD (Supervisor: Dr. Anas El-Aneed) - declined

Shelley Yang, Pharmacy PhD (Supervisor: Dr. Jane Alcorn)

### **Incentive Shared Funding Graduate Student Scholarships**

Natasha Breward, Pharmacy MSc (Supervisor: Dr. Adil Nazarali)

Se'era Anstruther, Nutrition MSc (Supervisor: Dr. Hassan Vatanparast)

### **Graduate Research Fellowship**

Mona Hamada, Pharmacy PhD (Supervisors: Drs. Anas El-Aneed and Darryl Adamko)

### **0.5 Graduate Teaching Fellowships**

Muath Helal, Pharmacy MSc (Supervisor: Drs. Jane Alcorn and Brian Bandy)

Hossein Rafiei, Nutrition PhD (Supervisor: Dr. Brian Bandy)

### **0.5 Graduate Teaching Assistantship**

Mays Al-Dulaymi, Pharmacy PhD (Supervisors: Drs. Anas El-Aneed and Ildiko Badea)

### **Pharmacy and Nutrition Graduate Service Award**

Anan Ahmed, Pharmacy MSc (Supervisor: Dr. Holly Mansell)

Paul Iyyanar, Pharmacy PhD (Supervisor: Dr. Adil Nazarali)

Kosar Omidian, Nutrition PhD (Supervisor: Dr. Brian Bandy)

Leandy Riley, Nutrition PhD (Supervisor: Dr. Carol Henry)

Praveen Roayapalley, Pharmacy PhD (Supervisor: Dr. Jonathan Dimmock)

Jennifer Xiao, Pharmacy MSc (Supervisor: Dr. Jian Yang)

### **College of Pharmacy and Nutrition Travel Awards**

The following graduate students received College of Pharmacy and Nutrition Travel Awards to present posters at conferences:

**Leandy Riley** (supervisor: Dr. Carol Henry) presented her poster *Mapping School Food Environment in Dominica* at the Caribbean Public Health Agency 61<sup>st</sup> Annual Health Research Conference held in Turks and Caicos from June 23<sup>rd</sup> to 25<sup>th</sup> 2016.

**Allison Cammer** (supervisors: Drs. Susan Whiting and Debra Morgan) will present her posters *Registered Dietitians' role in interdisciplinary dementia care across the continuum of care* and *A meal time management video is a useful education tool for staff in long term care* at the International Congress of Dietetics that will be held in Granada, Spain, from September 5<sup>th</sup> to 10<sup>th</sup> 2016.





## RESEARCH AND GRADUATE STUDIES (cont'd)

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### RESEARCH FUNDING

**Anas El-Aneed** was awarded a \$15,000 research grant from the Canadian Research Initiative in Substance Misuse (CRISM): Prairie Node along with \$5,000 from the Saskatchewan College of Pharmacists for the project entitled: "Developing Addiction Education Resources for Pharmacists".

**Kishor M. Wasan** was awarded \$119,856 over three years from the Saskatchewan Health Research Foundation for his project titled "Chronic in vivo study of lanthanide compounds in an osteoporosis model (OVX rat) for the treatment of bone density disorders."

### RECENT PUBLICATIONS

- \*Alwani, S., \*Kaur, R., Michel, D., Chitanda, J.M., Verrall, R.E., Karunakaran, C., **Badea, I.** (2016) Lysine-functionalized nanodiamonds as gene carriers: Development of stable colloidal dispersion for in vitro cellular uptake studies and siRNA delivery application. *International Journal of Nanomedicine* , 11 pp. 687 - 702.
- Botterill, J.J., Nogovitsyn, N., **Caruncho, H.J.**, Kalynchuk, L.E. (2016). Selective plasticity of hippocampal GABAergic interneuron populations following kindling of different brain regions. *Journal of Comparative Neurology*.
- Robles-Escajeda, E., Das, U., Ortega, N.M., Parra, K., Francia, G., **Dimmock, J.R.**, Varela-Ramirez, A., Aguilera, R.J. (2016). A novel curcumin-like dienone induces apoptosis in triple-negative breast cancer cells. *Cellular Oncology*, 39 ( 3 ) pp. 265 - 277.
- Edraki, N., Das, U., Hemateenejad, B., **Dimmock, J.R.**, Miri, R. (2016). Comparative QSAR analysis of 3,5-bis (arylidene)-4-piperidone derivatives: The development of predictive cytotoxicity models. *Iranian Journal of Pharmaceutical Research*, 15 ( 2 ) pp. 425 - 437.
- Lynd, L.D., Traboulee, A., Marra, C.A., Mittmann, N., **Evans, C.**, Li, K.H., Carter, M., Hategekimana, C.. (2016). Quantitative analysis of multiple sclerosis patients' preferences for drug treatment: A best-worst scaling study. *Therapeutic Advances in Neurological Disorders*, 9 ( 4 ) pp. 287 - 296.
- Renoux, C., Dell'Aniello, S., Khairy, P., Marras, C., Bugden, S., Turin, T.C., Blais, L., Tamim, H., **Evans, C.**, Steele, R., Dormuth, C., Ernst, P., Suissa, S., Dormuth, C.R., Hemmelgarn, B.R., Teare, G.F., Caetano, P., Chateau, D., Henry, D.A., Michael Paterson, J., LeLorier, J., Levy, A.R., Ernst, P., Platt, R.W., Sketris, I.S.. (2016). Ventricular tachyarrhythmia and sudden cardiac death with domperidone use in Parkinson's disease. *British Journal of Clinical Pharmacology*, pp. 461 - 472.
- Willems, J.L., \*Khamis, M.M., \*Mohammed Saeid, W., Purves, R.W., Katselis, G., Low, N.H., **El-Aneed, A.** (2016). Analysis of a series of chlorogenic acid isomers using differential ion mobility and tandem mass spectrometry. *Analytica Chimica Acta*
- \*Lorenz, R., Grant, E., Muyindike, W., Maling, S., Card, C., **Henry, C.**, **Nazarali, A.J.** (2016). Caregivers' attitudes towards HIV testing and disclosure of HIV status to at-risk children in rural Uganda. *PLoS ONE* , 11 ( 2 ) , art. no. e0148950.
- Hoover, J., **Vatanparast, H.**, Uswak, G. (2016). Risk Determinants of Dental Caries and Oral Hygiene Status in 3–15 Year-Old Recent Immigrant and Refugee Children in Saskatchewan, Canada: A Pilot Study. *Journal of Immigrant and Minority Health*, pp. 1 - 7.
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## RESEARCH AND GRADUATE STUDIES (cont'd)

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- Sassene PJ, Michaelsen MH, Mosgaard MD, Jensen MK, Van Den Broek E, **Wasan KM**, Mu H, Rades T, Müllertz A. In vivo precipitation of poorly soluble drugs from lipid based drug delivery systems. *Molecular Pharmaceutics* . 2016 Aug 17. [Epub ahead of print] PMID:27533712
- Gordon, J.A., Midha, A., Pandey, M., **Wasan, KM.**, Cox, ME Inhibition of scavenger receptor class B type I suppresses androgen pathway activity and induces cytotoxic stress in C4-2 castration resistant prostate cancer cells DOI: 10.1158/1538-7445.AM2016-1800 *Cancer Research* 1800-1806, Published 15 July 2016
- Kebede, A., Retta, N., Abuye, C., **Whiting, S.J.**, Kassaw, M., Zeru, T., Tessema, M., Kjellevoid, M. (2016). Dietary fluoride intake and associated skeletal and dental fluorosis in school age children in rural Ethiopian Rift Valley. *International Journal of Environmental Research and Public Health*, 13 ( 8 ), art. no. 756.
- Kaviani, M., Chilibeck, P.D., Yee, P., **Zello, G.A.** (2016). The effect of consuming low-versus high-glycemic index meals after exercise on postprandial blood lipid response following a next-day high-fat meal. *Nutrition and Diabetes*, 6 ( 7 ), art. no. e216.