



School of Pharmacy-QAEHS

1st Annual



Student Research Symposium: *Drugs in Health & the Environment*

29 October | PACE

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Graduate School



Overview

For the first time, the HDR students of the School of Pharmacy and the Queensland Alliance for Environmental Sciences (QAEHS) at the University of Queensland (UQ) are organizing **the School of Pharmacy-QAEHS 1st Annual Student Research Symposium** with the theme of “**Drugs in Health and the Environment**”.

This event aims to showcase research undertaken by the major students and HDR students in the School of Pharmacy and QAEHS through oral presentations (10 minutes), 2 min lightning talk, and poster presentation.

This event provides a great opportunity to find out about the latest researches and to connect with key contacts and networks.

The organising committee

Chair

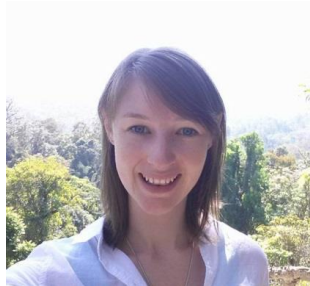


Chandra Datta Sumi,
PhD candidate, School of Pharmacy

Co-Chairs



Nameer van Oosterom,
PhD candidate,
School of Pharmacy



Elissa O'Malley,
PhD candidate,
QAEHS

Other members



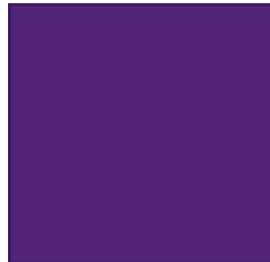
Rizwana Afroz,
PhD candidate,
School of Pharmacy



Elvis Okoffo,
PhD candidate,
QAEHS



Nazanin Ghahreman-Falconer,
PhD candidate,
School of Pharmacy



Susan Gray,
PhD candidate,
School of Pharmacy



Atinuke Favour Ojo,
PhD candidate,
QAEHS



Raafat Tariq Mohamed,
PhD candidate, School of
Pharmacy

Program

Tuesday 29 October 2019, Morning

8-8.45am	Registration Foyer, Level 4
8.45-8.50am	Open address and welcome: Chandra Datta Sumi Chair of HDR symposium organising committee Auditorium, Level 4
8.50-9am	Research in the UQ School of Pharmacy Professor Peter Little Head of School, School of Pharmacy Auditorium, Level 4
9-9.15am	Pharmaceuticals in the environment Professor Kevin Thomas Director of QAEHS Auditorium, Level 4
9.15-10am	Discovery-Translation and the 'Valley of Death' – a Personal Perspective Professor Maree Smith AC Auditorium, Level 4

Tuesday 29 October 2019, Morning

10-10.30am	Discussion forum: How to win friends and influence people: the art of successful research collaboration Auditorium, Level 4
10.30-11am	Morning tea Interaction space, Level 4
10.30-11am	Exhibition Level 4 and 5
11am-12.15pm	Student platform presentations - Part 1 Room 5034/5035, Level 5
12.15-12.35pm	2 min lightning talk Room 5034/5035, Level 5

Program

Tuesday 29 October 2019, Afternoon

12.30-1.45pm	Lunch Interaction space, Level 4
12.45-1.45pm	Poster session Interaction space, Level 4
1.45-3pm	Student platform presentations-Part 2 Room 5034/5035, Level 5
3-3.30pm	Afternoon tea & exhibition Interaction space, Level 4
3-3.30pm	Exhibition Level 4 and 5
3.30-3.50pm	Thanks and prize giving Interaction space, Level 4
4-6pm	Social event Pacemaker, Level 4

Keynote speaker

Emeritus Professor Maree Smith AC is Director, CIPDD, School of Biomedical Sciences, Faculty of Medicine, The University of Queensland. She has received the highest national recognition for her work, named a Companion of the Order of Australia (AC).

In the 15 years prior to establishing the CIPDD, Professor Maree Smith was a full-time academic in the School of Pharmacy. In brief, she joined the School of Pharmacy as a Lecturer in 1989 and was successively promoted through the academic ranks to Professor in 2004.

Maree is a leading researcher internationally in the pain field. Spinifex Pharmaceuticals was formed in 2005 to commercialize her angiotensin II type 2 (AT2) receptor antagonists technology for neuropathic pain and subsequently chronic inflammatory pain. Spinifex was acquired by Novartis in mid-2015 on the basis of successful early phase clinical trials in patients with post-herpetic neuralgia, a type of peripheral neuropathic pain that is often intractable.



Emeritus Professor Maree Smith AC
Emeritus Professor
School of Biomedical Sciences
Faculty of Medicine

Discussion Panel

Professor Maree Smith (Emeritus Professor, School of Biomedical Science, UQ)

Professor Peter Little (Head of School, School of Pharmacy, UQ)

Associate Professor Kathryn Steadman (School of Pharmacy, UQ)

Dr Sarit Kaserzon (Queensland Alliance of Environmental Health Sciences, UQ)

Dr Harendra Parekh (School of Pharmacy, UQ)

Dr Chang He (Queensland Alliance of Environmental Health Sciences, UQ)

Student session speakers – morning session

How immunosuppressant prescribing patterns impact patient outcomes in elderly kidney transplant recipients across Australia and New Zealand

Amelia Cossart, School of Pharmacy, UQ

11–11.10am

Fate and partitioning behavior of per- and polyfluoroalkyl substances (PFASs) in waste activated sludge during anaerobic digestion

Yijing Li, QAEHS, UQ

11.10-11.20am

Ultrasonic manipulation of microbubbles for drug delivery applications

Hussain Al-Sadiq, School of Medicine, UQ

11.20-11.30am

Characterisation of aqueous film-forming foams using non-targeted screening methods

Kristie Thompson, QAEHS, UQ

11.30-11.40am

Student session speakers – morning session

Impact of a patient centred educational exchange (PC3EE) with stroke survivors' on their adherence to secondary prevention medications and clinical outcomes.

Judith Coombes, School of Pharmacy, UQ

11.40-11.50am

A combined pressurized liquid extraction and pyrolysis gas chromatography - mass spectrometry method for quantifying selected plastics in biosolids

Elvis Okoffo, QAEHS, UQ

11.50am-12pm

Bacterial lipopolysaccharide stimulates glycosaminoglycan chain elongation in vascular smooth muscle cells

Rizwana Afroz, School of Pharmacy, UQ

12-12.10pm

Student session speakers – afternoon session

Wastewater treatment plants as a source of UV filters released into the aquatic environment

Elissa O'Malley, QAEHS, UQ

1.45-1.55pm

Molecular epidemiology of extended-spectrum beta-lactamase and metallo-beta-lactamase-producing *Escherichia coli* in South Asia: A systematic review and meta-analysis

Kamrul Islam, School of Pharmacy, UQ

1.55-2.05pm

Gout disease and its risk factors: Exploring the relationship with oxypurinol consumption data through wastewater-based epidemiology

Fahad Ahmed, QAEHS, UQ

2.05-2.15pm

Interrogating biased signaling of novel Kappa opioid receptor agonists

Pancong Niu, School of Pharmacy, UQ

2.15-2.25pm

Student session speakers – afternoon session

Varenicline for cognitive impairment in people with schizophrenia: systematic review and meta-analysis

Timothy Tanzer, Princess Alexandra Hospital

2.25-2.35pm

Opioid use and cancer outcomes: A systematic review

Iqira Saeed, School of Pharmacy, UQ

2.35-2.45pm

Translating and validating Health Literacy Questionnaire into Urdu

Ahsan Saleem, School of Pharmacy, UQ

2.45-2.55pm

2 min lightning talk

12.15-12.35pm

Production of Liposomes using supercritical fluid technology and active targeting to gastrin releasing peptide receptor (GRPR) in cancer cells

Faheem Maqbool, School of Pharmacy, UQ

A rapid sequential virtual screening workflow for discovering acetylcholinesterase inhibitors in large databases

Jared Miles, School of Pharmacy, UQ

Lysophosphatidic acid receptor 5 transactivates TGFBR1 to stimulate the mRNA expression of GAG synthesizing enzymes

Ying Zhou, School of Pharmacy, UQ

Resources for assessing the impact of culture on medication adherence

Natasha Taufatofua, School of Pharmacy, UQ

Helping patients swallow their tablets: characterisation of commercial medication lubricants for use in dysphagia

Marwa Abu Malouh, School of Pharmacy, UQ

2 min lightning talk

12.15-12.35pm

Novel nanotechnology approach for diagnosis and treatment of ROS related inflammatory diseases

Yao Wu, Australian Institute for Bioengineering and Nanotechnology (AIBN), UQ

In sample stability of cocaine, opioids, amphetamine-type substances and their metabolites in wastewater

Xialu Li, QAEHS, UQ

Trying to improve the quantification of plastic intake in wildlife and human food

Claudia Dessi, QAEHS, UQ

Evaluation of microalgae and cyanobacteria as potential sources of antimicrobial compounds

Faisal Alsenani, School of Pharmacy, UQ