

# 2024 Completions - Faculty of Pharmacy and Pharmaceutical Sciences

## **Dr. Oliver Kayne Fuller**

(Specialisation: Cell biology) (Conferred: 11-Jan-2024)

The Role of Extracellular Vesicles and Tissue Cross-Talk in Health and Disease

## **Dr. Tianxia Zhang**

(Specialisation: Drug delivery sciences) (Conferred: 11-Jan-2024)

The development a peptide-based agent for imaging application

## **Dr. Julia Soyoung Park**

(Specialisation: Pharmaceutical biology) (Conferred: 07-Feb-2024)

Characterisation and evaluation of pro-resolving G protein-coupled receptors (GPCRs) in resolution of inflammation

## **Dr. Kate Emma Petrie**

(Specialisation: Pharmacy) (Conferred: 07-Feb-2024)

The diagnosis and management of chronic obstructive pulmonary disease in at-risk populations

## **Dr. Alene Sze Jing Yong**

(Specialisation: Health economics) (Conferred: 07-Feb-2024)

Advanced cancer patients' needs and preferences for quality of life outcomes

## **Dr. Jamie Harper Currie**

(Specialisation: Medicinal chemistry) (Conferred: 21-Feb-2024)

Fragment-Based Drug Design for Novel Inhibitors of Dengue Polymerase

## **Dr. Kieran David Deane-Alder**

(Specialisation: Drug discovery biology) (Conferred: 21-Feb-2024)

Refining G protein-coupled receptor biochemistry to obtain challenging cryogenic electron microscopy structures

## **Dr. Yuen Yi Lam**

(Specialisation: Drug delivery sciences) (Conferred: 21-Feb-2024)

A Metabolic Glycan Labelling Based Approach for Highly Selective Gastrointestinal Delivery

## **Dr. Wang Jae Pyun**

(Specialisation: Pharmacology) (Conferred: 06-Mar-2024)

Impact of copper complexes on P-glycoprotein expression and function at the blood-brain barrier

## **Dr. Wenxiao Yue**

(Specialisation: Medicinal chemistry) (Conferred: 06-Mar-2024)

Design of Novel Cyclic Peptidomimetics - Melanocortin Peptides as An Example

## **Dr. Sadia Alvi**

(Specialisation: Pharmacology) (Conferred: 11-Apr-2024)

Allosteric Modulation at the Delta Opioid Receptor for the Treatment of Gastrointestinal Motility Disorders

## **Dr. Alexander Rajakanthan**

(Specialisation: Biomaterials) (Conferred: 11-Apr-2024)

Water-dispersible Arsonic Acid Functional Polymer Coated Iron Oxide Nanoparticles as Efficient Imaging Agents

**Dr. Han Yin Lim**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 24-Apr-2024)

Synthesis and Evaluation of 2,4-Diamino-1,3,5-triazines as Bioactive Agents against Triple-negative Breast Cancer Cells

**Dr. Christina Malini Christopher**

(Specialisation: Pharmacy practice) (Conferred: 08-May-2024)

Medication use problems of older adults at primary care level: Evaluating the feasibility of community pharmacy-based intervention in Penang, Malaysia

**Dr. Amit Hetsron**

(Specialisation: Medicinal chemistry) (Conferred: 08-May-2024)

Development of Foldamers for Peptide Receptor Radionuclide Therapy of NPY1 Tumours

**Dr. Faiz Ahmed Shaikh**

(Specialisation: Clinical Pharmacy) (Conferred: 08-May-2024)

Association of Type 2 Diabetes Mellitus with Cognitive Function and Overall Wellbeing of Older Adults in Malaysia

**Dr. Kimberly Vo**

(Specialisation: Pharmaceutical chemistry) (Conferred: 23-May-2024)

Metacognitive scaffolding in chemistry education: Investigating student problem-solving approaches and instructor perspectives and practices

**Dr. Jingjing Zhao**

(Specialisation: Pharmaceutical biology) (Conferred: 23-May-2024)

Therapeutic Properties of the Designer Cytokine IC7Fc to Treat Metabolic Diseases

**Dr. Le Tuong Vi Dinh**

(Specialisation: Medicinal chemistry) (Conferred: 05-Jun-2024)

Development of Calcium-sensing receptor (CaSR) positive allosteric modulators for the treatment of CaSR-related disorders

**Dr. Gopisankar Mohanannair Geethadevi**

(Specialisation: Pharmacoepidemiology) (Conferred: 05-Jun-2024)

Prediction model-guided midlife dementia risk reduction

**Dr. Jack Phelps**

(Specialisation: Medicinal chemistry) (Conferred: 05-Jun-2024)

The rational design of Zika protease inhibitors

**Dr. Yildiz Tasdan**

(Specialisation: Synthetic medicinal chemistry) (Conferred: 05-Jun-2024)

Development of EcDsbA Inhibitors Using Fragment-Based Design Strategies

**Dr. Muhammad Shaffiq Bin Zainal Osman Shah**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 20-Jun-2024)

Expanding the Toolbox of Poly(2-Oxazoline)s-Based Hydrogels for Biomedical Applications

**Artin Assadi**

(Specialisation: Nanomedicine) (Conferred: 03-Jul-2024)

Establishing bulk electroporation as a benchmark method for intracellular delivery of reprogramming factors into human fibroblasts

**Dr. Laura Dowd**

(Specialisation: Pharmacy) (Conferred: 03-Jul-2024)

Exploring the safe and effective use of analgesic medications in residential aged care facilities

**Dr. Geetha Maniam**

(Specialisation: Biomaterials) (Conferred: 31-Jul-2024)

Towards Sustainable Water Infrastructure in Indigenous Communities of Peninsular Malaysia: The Role of an Inclusive Participatory Approach

**Dr. Theodore Jenkins Nettleton**

(Specialisation: Drug discovery biology) (Conferred: 15-Aug-2024)

Structure and dynamics of the PAC1R in different conformational states

**Dr. Celine Yamfa Hung**

(Specialisation: Biopharmaceutics, pharmacokinetics and pharmacodynamics) (Conferred: 28-Aug-2024)

Modifying Pasireotide Analogues For Improved Oral Peptide Delivery

**Dr. Peiyuan Luo**

(Specialisation: Pharmacology) (Conferred: 28-Aug-2024)

Investigating the mode of action of novel bis-1,2,4-triazine antimalarials using proteomics and LC-MS-based analytical techniques

**Dr. Jaideep Singh**

(Specialisation: Drug discovery biology) (Conferred: 28-Aug-2024)

Targeting the Formyl Peptide Receptors Axis Regulates Physiological and Pathological Cardiovascular Damage

**Dr. Liam Thomas Hales**

(Specialisation: Medicinal chemistry) (Conferred: 12-Sep-2024)

Targeted Protein Degradation: A Multifaceted Investigation of Novel Synthetic Methodology and Biological Application

**Dr. Yao Lu**

(Specialisation: Drug discovery biology) (Conferred: 12-Sep-2024)

Molecular and structural characterisation of GPR52 functional selectivity and its implications in schizophrenia

**Dr. Grace Victoria Mennen**

(Specialisation: Pharmacology) (Conferred: 12-Sep-2024)

The Kinetic and Dynamic Regulation of Calcitonin Gene Related Peptide (CGRP) Family Receptors

**Dr. Felix Bennetts**

(Specialisation: Drug discovery biology) (Conferred: 25-Sep-2024)

Structural and Pharmacological Investigation of the P2X1 Receptor as a Drug Target

**Dr. Ken Fong Chen**

(Specialisation: Pharmaceutical biology) (Conferred: 25-Sep-2024)

Understanding the mechanism of infection of the *Macrobrachium rosenbergii* nodavirus

**Dr. Abhipree Sharma**

(Specialisation: Functional biology) (Conferred: 25-Sep-2024)

Sex-specific differences of glucose-lowering therapies in the diabetic heart

**Rebecca Jiawen Zheng**

(Specialisation: Medicinal chemistry) (Conferred: 26-Sep-2024)  
Medicinal Chemistry for Novel Treatments for Visceral Leishmaniasis

**Dr. Joel Wake Coffie**

(Specialisation: Drug discovery biology) (Conferred: 09-Oct-2024)  
Decoding G Protein-Coupled Receptor Signalling Fingerprints to Identify Novel Therapeutic Targets for Cardiac Fibrosis Treatment

**Dr. Yong Qi Leong**

(Specialisation: Molecular cell biology) (Conferred: 09-Oct-2024)  
Investigation of Anticancer Effects of Alpha-synuclein in Lung Cancer

**Dr. Sunil Shrestha**

(Specialisation: CLINICAL PHARMACY) (Conferred: 09-Oct-2024)  
Enhancing Cancer Pain Management through Clinical Pharmacist Integration for Improved Outcomes: The Case of Nepal in Low and Middle-Income Countries

**Dr. Yikai Song**

(Specialisation: Medicinal chemistry) (Conferred: 09-Oct-2024)  
Discovery of Novel Calcium-Sensing Receptor Allosteric Modulators Using Fragment-based Drug Design Approaches

**Dr. Ashleigh Tayla Gould**

(Specialisation: Drug discovery biology) (Conferred: 23-Oct-2024)  
Characterisation of the Mucosal Immune System in Hirschsprung Disease

**Dr. Jessica Huang**

(Specialisation: Cell biology) (Conferred: 23-Oct-2024)  
Engineering Cells to Understand Cellular Transport

**Dr. Zoe Jane Porter**

(Specialisation: Medicinal chemistry) (Conferred: 23-Oct-2024)  
Investigations into VprBP Functions, Engagement and Inhibition

**Dr. Karoline Sanches**

(Conferred: 23-Oct-2024)  
Molecular Basis for Inhibition of the Voltage-Gated Potassium Channel Kv1.3 by Peptide Toxins

**Dr. Mun Chung Dorothy Ko**

(Specialisation: Pharmaceutical chemistry) (Conferred: 06-Nov-2024)  
Design and Exploration of Sphingolipid Mimetics in Lipid Metabolism

**Dr. Nimna Harini Perera**

(Specialisation: Cell biology) (Conferred: 06-Nov-2024)  
Exploring the role of extracellular vesicles in obesity and diabetes-associated cardiovascular disease

**Dr. Serena Lee Yong Teo**

(Specialisation: Molecular cell biology) (Conferred: 06-Nov-2024)  
Understanding intracellular trafficking and endosomal escape of macromolecules

**Dr. Lian Xue**

(Specialisation: Medicinal chemistry) (Conferred: 06-Nov-2024)

Design and Synthesis of Novel CNS-Penetrant <sup>18</sup>F Radioligands of MERTK for the Imaging of Multiple Sclerosis

**Dr. Showmika Tabassum Supti**

(Specialisation: Biopharmaceutics, pharmacokinetics and pharmacodynamics) (Conferred: 20-Nov-2024)

The role of Alzheimer's disease related factors on blood-brain barrier transport of fatty acids and astrocyte release of apolipoprotein E isoforms

**Dr. Dayangku Nordiyana Binti Pengiran Hassanel**

(Specialisation: Nanomedicine) (Conferred: 04-Dec-2024)

Exploring Polymer-Lipids in Lipid Nanoparticle Formulations

**Dr. Shin Jiat Liau**

(Specialisation: Pharmacoepidemiology) (Conferred: 04-Dec-2024)

Optimising Medication Use in Older People Living with Frailty and Dementia

**Dr. Michael Soon-Ming Mah**

(Specialisation: Cell biology) (Conferred: 04-Dec-2024)

The contribution of intestinal derived ceramides to whole-body metabolic dysfunction

**Dr. Muhammad Rehan Sarwar**

(Specialisation: Pharmacy practice) (Conferred: 04-Dec-2024)

Optimising the Management of Chronic Obstructive Pulmonary Disease by using a Treatable Traits Approach

**Dr. Vanessa Li Shan Chew**

(Specialisation: Organic chemistry) (Conferred: 11-Dec-2024)

Polynes to Polycycles: The Construction of Pi-Rich Polycyclic Aromatic Compounds via Alkyne Activation