

# 2023 Completions - Faculty of Pharmacy & Pharmaceutical Sciences

## **Dr. Jianjun Cao**

(Specialisation: Drug discovery biology) (Conferred: 17-Jan-2023)

Understanding structure and activation of amylin and calcitonin receptors

## **Dr. Ellis Hancox**

(Specialisation: Materials science) (Conferred: 25-Jan-2023)

High Chi Polymers from Hydrophobic Initiators for Ultra-Small Microphase Separation

## **Dr. Yi Ling Low**

(Specialisation: Pharmacology) (Conferred: 01-Feb-2023)

The Role of Fatty Acid-Binding Proteins in Microglial Docosahexaenoic Acid Uptake and Immunometabolism

## **Dr. Anida Velagic**

(Specialisation: Drug discovery biology) (Conferred: 01-Feb-2023)

Contrasting impact of nitroxyl and nitric oxide on the diabetic heart and vasculature

## **Dr. Ankit Malhotra**

(Specialisation: Pharmaceutics) (Conferred: 15-Feb-2023)

Functionalization of porous silicon nanovectors for triple-negative breast cancer treatment

## **Dr. Rukshar Kaizerali Gobarani**

(Specialisation: Pharmacoepidemiology) (Conferred: 02-Mar-2023)

Optimising the use of varenicline and smoking cessation interventions in primary and secondary care settings

## **Dr. Camille Keisha Mahendra**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 02-Mar-2023)

Bioprospecting of Swietenia macrophylla King for Protection Against Skin Photoaging

## **Dr. Yingkai Wei**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 02-Mar-2023)

Pain-on-a-chip: towards a cell-based microfluidic biosensor for the detection of nociceptive response in complex biological fluids

## **Dr. Evon Yee Jin Chong**

(Specialisation: Nanomedicine) (Conferred: 15-Mar-2023)

Development of Caveospheres as a Targeted Analgesic Drug Delivery System

## **Dr. Esther Susanne Firkin**

(Specialisation: BIOMATERIALS) (Conferred: 15-Mar-2023)

Engineered nano-bio cellular interfaces: Vertically aligned silicon nanowire arrays for human cell manipulation and neuronal progenitor cell differentiation

## **Jia Yi Kuah**

(Specialisation: Drug delivery sciences) (Conferred: 15-Mar-2023)

HaloTag pseudotyped lentivirus: Quantifying uptake and internalisation in vitro using a fluorescent click sensor

**Dr. Kashif Maroof**

(Specialisation: Pharmaceutics) (Conferred: 15-Mar-2023)

Development and characterization of novel and stable propolis liquid/powder formulations using lipid-based drug delivery systems, spray- and freeze drying.

**Dr. Thanh Nhan Nguyen**

(Specialisation: Drug discovery biology) (Conferred: 15-Mar-2023)

Multi-omic Approaches Define New Functional Roles for the Transient Receptor Potential Vanilloid 4 (TRPV4) Ion Channel in Macrophages

**Dr. Yih Rue Ong**

(Specialisation: Nanomedicine) (Conferred: 15-Mar-2023)

Understanding the In Vivo Behaviour of Nanoparticle Therapies

**Dr. David Keith Pizzi**

(Specialisation: Nanomedicine) (Conferred: 15-Mar-2023)

Chiral, Water-Soluble Poly(2,4-dialkyl-2-oxazoline)s As Next Generation Biocompatible Nanomaterials

**Dr. Yen Jun Wong**

(Specialisation: Pharmacy practice) (Conferred: 15-Mar-2023)

Strategies to Improve Tuberculosis Control and Prevention in Malaysia

**Dr. Muhammad Shoaib Ali Gill**

(Specialisation: Pharmaceutical chemistry) (Conferred: 29-Mar-2023)

Design and Synthesis of new Anti-HIV agents based on Quinolone scaffold

**Dr. Samad Mussa Farkhani**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 29-Mar-2023)

Development of targeted gold nanoclusters for advanced cancer therapies

**Dr. Jessica Rose Tait**

(Specialisation: Biopharmaceutics, pharmacokinetics and pharmacodynamics) (Conferred: 29-Mar-2023)

Dynamic infection models, metabolomics and mechanism-based modelling to investigate pharmacodynamic challenges of *Pseudomonas aeruginosa*

**Dr. Ali Ahmed**

(Specialisation: Pharmacy practice) (Conferred: 21-Apr-2023)

Barriers and Facilitators of Antiretrovirals Adherence and Evaluation of Cost Effectiveness of Pharmaceutical Care Interventions to Improve the Health Outcomes of People Living with HIV/AIDS

**Dr. Petar Patrick Stephen Calic**

(Specialisation: Medicinal chemistry) (Conferred: 21-Apr-2023)

The Design, Synthesis and Evaluation of Novel Metalloaminopeptidase Inhibitors

**Dr. Mahta Mansouri Jajaei**

(Specialisation: Medicinal chemistry) (Conferred: 21-Apr-2023)

The Development of a New Class of Plasmodium falciparum M1 and M17 Inhibitors as Potential Antimalarials

**Dr. Bairavee Ramachandran**

(Specialisation: Medicinal chemistry) (Conferred: 21-Apr-2023)

Systemic and Gastrointestinal Tract Directed Protease Activated Receptor-2 Modulators

**Dr. Md Abdur Razzak**

(Specialisation: Drug discovery biology) (Conferred: 21-Apr-2023)  
Structural Basis of Metabotropic Glutamate Receptor 5 (mGlu5) Allosteric Modulation

**Dr. Subramaniam Thanimalai**

(Specialisation: Health economics) (Conferred: 21-Apr-2023)  
Patient access schemes - Possible Approaches in Malaysia

**Dr. Liudi Zhang**

(Specialisation: Drug discovery biology) (Conferred: 21-Apr-2023)  
Structural insights into the inactive and active states of the A3 adenosine receptor

**Dr. Vanessa Ting Zhen Kee**

(Specialisation: Drug discovery biology) (Conferred: 04-May-2023)  
Dual incretin agonism in the treatment of Type 2 Diabetes and Obesity

**Dr. Baolong Pan**

(Specialisation: Synthetic medicinal chemistry) (Conferred: 17-May-2023)  
Development of Novel Heterobifunctional Degraders and Antifungal Agents

**Dr. Syaza Yasirah Binte Abu Bakar**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 31-May-2023)  
Investigations of a Formulated Substitute for Colostrum

**Dr. Jomo Kenyatta Njuguna Kigotho**

(Specialisation: Medicinal chemistry) (Conferred: 31-May-2023)  
Structure-Activity and Metabolic Relationships of 2-Aminobenzimidazole Antimalarials

**Dr. Shanti Marlina Sibuea**

(Specialisation: Cell biology) (Conferred: 31-May-2023)  
Modulating development and maturation of human embryonic stem cell-derived midbrain dopaminergic neurons using growth and survival factors

**Dr. Steven Peter Ivulich**

(Specialisation: Pharmacy) (Conferred: 15-Jun-2023)  
Optimisation of Immunosuppression Post-Lung Transplantation

**Dr. Anal Sanjay Desai**

(Specialisation: Nanomedicine) (Conferred: 10-Jul-2023)  
Antibody-functionalised porous silicon nanoparticles for delivering tumour antigens to dendritic cells

**Dr. Jia Hui Ng**

(Specialisation: Medicinal chemistry) (Conferred: 10-Jul-2023)  
Synthesis and Biological Evaluation of Pyrazolo[3,4-d]pyrimidine and Their Fused Analogues as Potential Anticancer Agents

**Dr. Daniel Truong**

(Specialisation: Medicinal chemistry) (Conferred: 10-Jul-2023)  
Privileged scaffold-inspired drug discovery

**Dr. Najma Annuria Fithri**

(Specialisation: Drug delivery sciences) (Conferred: 13-Jul-2023)  
Near Infrared Photothermal Nanomaterials as Theranostics for Thrombosis

**Dr. Chayutthaphong Chaisai**

(Specialisation: Pharmacoepidemiology) (Conferred: 26-Jul-2023)

An Evaluation of Thailand Smoking Cessation Service Program on Clinical Outcomes and Evidence Synthesis for Public Policy Considerations

**Dr. Shuqi Chen**

(Specialisation: Synthetic medicinal chemistry) (Conferred: 26-Jul-2023)

The development of methods for the rapid assembly of diverse sp<sup>2</sup>- and sp<sup>3</sup>-rich scaffolds

**Dr. Zihnil Adha Islamy Mazrad**

(Specialisation: Nanomedicine) (Conferred: 26-Jul-2023)

Multifunctional Poly(2-Oxazoline) Based Nanoparticles for Microglia-Targeting Therapeutics

**Dr. Aparna Nandakumar**

(Specialisation: Nanomedicine) (Conferred: 26-Jul-2023)

Understanding Bio-Nano Interactions in Alzheimer's Disease and Cancer

**Dr. Ayame Saito**

(Specialisation: Drug discovery biology) (Conferred: 26-Jul-2023)

Characterising the M1 muscarinic acetylcholine receptor in the gastrointestinal tract

**Dr. Jessica Juexi Lu**

(Specialisation: Pharmacology) (Conferred: 09-Aug-2023)

Structural and Pharmacological Characterisation of Splice Isoforms of the Pituitary Adenylate Cyclase-Activating Polypeptide Type 1 (PAC1) Receptor

**Dr. Rekha Shandre Mugan**

(Specialisation: Biopharmaceutics, pharmacokinetics and pharmacodynamics) (Conferred: 09-Aug-2023)

Discovery of a novel Melanocortin receptor 5 agonist for Type 1 Diabetes

**Dr. Xiaohan Sun**

(Specialisation: Nanomedicine) (Conferred: 09-Aug-2023)

Magnetically-activated lipid-based colloidal systems as pulsatile on-demand drug delivery systems

**Dr. Hao Zhe Yoh**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 23-Aug-2023)

Engineered vertically-aligned polymeric nanostructures for intracellular delivery to mammalian cells

**Dr. May Meiquing Lai**

(Specialisation: Nanomedicine) (Conferred: 06-Sep-2023)

Development of core crosslinked polymers for in vivo pretargeting click chemistry

**Dr. Ruth Sim**

(Specialisation: Health economics) (Conferred: 06-Sep-2023)

Cardiorenal outcomes of the recently approved antidiabetic drugs in people with Type 2 Diabetes Mellitus in Malaysia: Clinical and economic evaluation

**Dr. John Teye Azietaku**

(Specialisation: Drug discovery biology) (Conferred: 20-Sep-2023)

Profiling Glucagon-Like Peptide -1 Receptor Transducer Coupling, Signalling and Biased Agonism

**Dr. Grace Pei Chin**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 04-Oct-2023)  
Electrochemical biosensing to unveil the role of exosomes as cancer biomarkers

**Dr. Khaled Abdelmonem Mohammady Abdelghany Elnahriry**

(Specialisation: Medicinal chemistry) (Conferred: 04-Oct-2023)  
Structural and functional characterisation of peptide toxins from Australian sea anemones

**Dr. Salem Moustafa**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 04-Oct-2023)  
Sophisticated application of pharmacogenomics in personalised medicine

**Dr. Ali-Reza Shokouhi**

(Specialisation: BIOMATERIALS) (Conferred: 04-Oct-2023)  
Engineered Nano-Bio Cellular Interfaces: Nanostructural-Electroporation Platform for Intracellular Delivery

**Dr. Mohammad Sultan Mohammad Abdallah**

(Specialisation: Pharmaceutics) (Conferred: 18-Oct-2023)  
Lipidation of brush polyethylene glycol polymers to extend plasma half-life and promote lymphatic uptake

**Dr. Roisin Eimir McCague**

(Specialisation: Drug discovery biology) (Conferred: 18-Oct-2023)  
Characterisation of Endogenous Tachykinin Signalling at the Neurokinin-1 Receptor and Determining its Role in Neurological Outcomes after Experimental Stroke

**Dr. Xiaotong Zhou**

(Specialisation: Biopharmaceutics, pharmacokinetics and pharmacodynamics) (Conferred: 18-Oct-2023)  
Development and optimisation of lymph-directing prodrugs to enhance oral drug exposure

**Dr. Parbati Thapa**

(Specialisation: Pharmacy practice) (Conferred: 01-Nov-2023)  
Assessment of pain domain, quality of life, management and pharmacist-led intervention among chronic pain patients in Western Nepal

**Dr. Joshua Peter Morrow**

(Specialisation: Nanomedicine) (Conferred: 15-Nov-2023)  
Nanotherapeutic biomaterials to modulate ferroptosis

**Dr. Cristina Petronela Ghijben**

(Specialisation: Pharmacy practice) (Conferred: 13-Dec-2023)  
Integration of the Emergency Medicine pharmacist into the reception and resuscitation of critically ill and injured patients

**Dr. Weisen Zhang**

(Specialisation: Pharmacy and pharmaceutical science) (Conferred: 18-Dec-2023)  
Optimisation of Nanoparticles for Crossing the Blood-brain Barrier Using a Microfluidic Chip Model