



*PharmAlliance*

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THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL



MONASH  
University



UCL

**PARTNERING  
FOR BETTER  
HEALTHCARE  
WORLDWIDE**



15-19 NOVEMBER 2021

# PHARMALLIANCE WEEK REPORT



PREPARED BY CAROLINE SASSER

PharmAlliance Week Events and Recording Links



## RESEARCH DOMAIN EVENTS

*\*indicates presentation removed from recording at request of presenter*

### Research Seminar: [Topics in Neuroscience - Session 1](#)

Speakers and talk titles included:

- **Dr. Ryan Gumpfer:** Recent discoveries in 5-HT<sub>2A</sub> serotonin receptor structure and function\*
- **Dr. Afia Ali:** Neuronal circuit dysfunction in Alzheimer's disease reveal potential therapeutic targets to alleviate cognitive deficits
- **Dr. Amber Kelley:** Synthesis and discovery of novel selective negative allosteric modulators of D<sub>3</sub> receptors
- **Dr. Karen Gregory:** Enhanced neuroscience drug discovery from allosteric modulation of neurotransmitter receptors
- **Dr. Kenneth Man:** Antipsychotics in pregnancy and risk of birth and neurodevelopmental disorders
- **Dr. Kevin Frankowski:** Dopamine D<sub>1</sub> positive allosteric modulators: A tale of two scaffolds

### Research Seminar: [Topics in Neuroscience - Session 2](#)

Speakers and talk titles included:

- **Prof. James Phillips:** Nervous system tissue engineering and regenerative medicine
- **Dr. Erin Heinzen:** SLC35A2 epilepsy: moving from gene to novel treatment approaches
- **Dr. Stephen Wood:** Impact of different poststroke dual antihypertensive regimens on cardiovascular outcomes and mortality in people with dementia: Four Continents for Dementia (4C4D) Study
- **Prof. Chris Langmead:** Contemporary approaches to psychiatry drug discovery
- **Dr. Giulia Massaro:** Gene therapy for neurometabolic disorders
- **Dr. Emma van der Westhuizen:** Characterising novel M<sub>4</sub> muscarinic acetylcholine receptor positive allosteric modulators for the treatment of schizophrenia

### [Graduate Research E-Symposium](#)

Speakers and talk titles included:

- **Jae Pyun:** Could we 'clear' the way for Alzheimer's disease? Impact of copper complexes at the blood-brain barrier
- **Monica Jung:** COVID-19 restrictions and the incidence and prevalence of prescription opioids in Australia\*
- **Leonie Picton:** Trajectories of use of medicines for diabetes before and after initiating medicine for dementia\*
- **Sanjeevini Babu Reddiar:** The Kv1.3 inhibitory peptide HsTX1[R14A] as a novel attenuator of neuroinflammation
- **Stella Kim:** Application of a common data model to state-wide healthcare data in pharmacoepidemiological research: a case study on seizure management after stroke\*
- **Abdulhamid Fatani:** Inhibition of ITCH and induces apoptosis and suppresses proliferation of glioblastoma multiform cells\*
- **Bethany Latham:** Metabolism of masitinib, a tyrosine kinase inhibitor
- **Lauren Passero:** Evaluating a multilevel stakeholder intervention for family communication about Lynch syndrome
- **Narges Mahdavian:** Abnormal distribution of non-neuronal cells in the colon of patients with Hirschsprung Disease
- **Syaza Binte Abu Bakar:** Colostrum mimic for better infant health
- **Arfatur Rahman:** Enhanced nitric oxide production by macrophages treated with SPSB-iNOS inhibitors conjugated to cell-penetrating peptides
- **Federico Romano:** Prediction of early bacterial activity (EBA) of linezolid (LZD) in drug-susceptible tuberculosis
- **Nouf Almeshal:** Exploring patients' beliefs about antibiotics for upper respiratory tract infections: a qualitative study
- **Katja Löbel:** Use of herbal medicines in Chile. development of an online questionnaire
- **Adam Livori:** Assessment of telehealth cardiology pharmacist clinic in improving therapy adherence following acute coronary syndrome and PCI: a matched cohort study
- **Najma Fithri:** Gold-iron oxide nanoparticle: A multi-modality theranostic agent for site-specific thrombus imaging and enhanced thrombolysis\*
- **HaoZhe Yoh:** Polymeric nanoneedle arrays for mediating intracellular delivery

PharmAlliance Week Events and Recording Links

## EDUCATION DOMAIN EVENTS



### Core Concepts in Pharmacy & Pharmacology and Beyond...

Speakers included: Prof. Paul White, Dr. Jacqui McLaughlin, Dr. Tom Angelo, Prof. Michael Munday and Dr. Tony Hughes

### Academic Integrity Master Class & Speed Networking

Speakers included: Prof. Louise Brown, Dr. Vivienne Mak, and Dr. Amanda Savage

### Hacks for New Players: Education Research

Speakers included: Prof. Paul White, Dr. Kayley Lyons



## PRACTICE DOMAIN EVENTS

### Great Debates in Pharmacy Practice

Speakers and debate topics included:

- **Prof. Jon Easter:** Sustainable reimbursement/economic models to support expansion of pharmacist scope of practice and advanced clinical practitioners
- **Ms. Pinkie Chambers:** Enhance behavioral health pharmacy services (e.g. mental health screening, integrated care and education, medication management)
- **Prof. Carl Kirkpatrick:** Medication safety
- **Dr. Sachi Ozawa:** Pharmacy services for the senior population
- **Prof. Cate Whittlesea:** Pharmacy's role in substance use disorder

### Digital Health in Pharmacy Practice

Speakers and talk titles included:

- **Prof. Li Wei:** Monitoring drug safety and benefit using big data: a rapid growth in pharmacy practice research
- **Dr. Amanda Johnson:** Using Technology & Data to Expand Pharmacists Reach in Population Health
- **Dr. Bianca Levkovich:** Things that go beep in the night: technology and medication safety down under

## STUDENT DOMAIN & OTHER EVENTS



### PharmAlliance Student Kick-Off Social

Speaker: Dr. Vraj Patel

### Equity, Diversity, and Inclusion in PharmAlliance

Speakers included: Dr. Karen Gregory, Dr. Lauren May, Dr. Vivienne Mak, and Prof. Louise Brown

# PHARMALLIANCE WEEK: BY THE NUMBERS

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10

Sessions

419

Session  
Attendances



43

Faculty and  
Staff Presenters

19

Student  
Presenters

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