



**University of
Sunderland**

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BENCH TO BEDSIDE: DRUG THERAPY, PHARMACY AND HEALTH
Postgraduate Pharmacy Conference 2016

1st July 2016

School of Medicine, Pharmacy and Health
Queens Campus, Stockton

Funded by

Faculty of Applied Social Sciences and Health, Durham University

Postgraduate Research School of Medicine, Pharmacy and Health

Welcome

Welcome to the first postgraduate pharmacy conference at Durham University. We have an exciting day of speakers and poster presentations planned and we hope you find it interesting and inspiring.

The North East is a fantastic place to study, research and practice pharmacy and the research ready initiative of the Royal Pharmaceutical Society as well as other organisations in the UK seeks to bring pharmacy researchers and practitioners together to improve patient care.

The Division of Pharmacy within the School of Medicine, Pharmacy and Health at Durham University welcomed the first postgraduate research students in 2013, researching pharmacy practice and pharmaceuticals. Since that time the postgraduate research within the division has expanded rapidly and now includes pharmacology, cellular biology, drug design and development, e-prescribing and informatics, as well as developing collaborations with industry and local healthcare providers. This rapid growth not only highlights the hard work of the team here at Durham, but also reflects the enthusiasm of local pharmacists and pharmacy researchers to demonstrate their research capacity.

Whilst the future location of the school may change, the engagement and enthusiasm around this conference suggests the future of pharmacy research in our region is certain to go from strength to strength. Let's hope this is the first of many future postgraduate pharmacy conferences that showcase the strength of pharmacy research.

Adam Pattison Rathbone
Clare Brown
Conference Convenors

Scope

This conference aims to showcase current research conducted by early-career pharmacy researchers, pharmacists and pre-registration trainees. The conference has been coordinated by postgraduate students at Durham University to foster a community of pharmacy researchers and provide an opportunity to present current research, network and develop collaborations between pharmacy researchers, practicing pharmacists and pre-registration trainees in the surrounding areas.

The call for submissions was purposively broad to include research relevant to i) pharmacy practice including electronic records, health service delivery audits, de-prescribing, pharmacy education, medical sociology and public health and ii) pharmaceutical sciences including chemistry, molecular biology, microbiology, pharmacology, and pharmaceuticals.

The conference is free to hospital, community, academic and industry pre-registration trainees and pharmacists. The conference is also free for early-career postgraduate researchers.

Prizes

A £25 Amazon voucher will be awarded for the best poster presentation and oral presentations.

Programme

Oral presentations will be delivered in parallel sessions and be divided according to the broad themes outlined above. Presentations will be approximately 15 minutes in length with 5 minutes for questions.

Posters will be presented over lunch and poster presenters will be asked to provide a 3-minute summary of their posters to small groups.

For further information about this event please contact conference conveners
Adam Pattison Rathbone (a.p.rathbone@durham.ac.uk) or Clare Brown
(c.l.brown@durham.ac.uk).

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Programme

Friday 1st July 2016

Queen's Campus, Stockton

09:00	Wolfson Street, Wolfson Building	Registration
09:30	Room F009, Wolfson Building	Keynote Presentation
10:30	Wolfson Street, Wolfson Building	Refreshment
11:00	Room D015, Ebsworth Building	Oral Presentations
	Room D016, Ebsworth Building	Oral Presentations
12:45	Wolfson Street, Wolfson Building	Lunch
13:45	Wolfson Street, Wolfson Building	Poster Presentations
14:30	D015, Ebsworth Building	Oral Presentations
	D016, Ebsworth Building	Oral Presentations
16:00	Wolfson Street, Wolfson Building	Refreshment
16:30	F009, Wolfson Building	Keynote presentation
17:30	Waterside Restaurant	Dinner
18:30	Awards for Best Poster and Best Oral Presentation	

Key Note Speaker

11:00 F009, Wolfson Building



To boldly go...and research with someone different

Gemma Donovan, University of Sunderland

Gemma is a Senior Lecturer in Pharmacy Practice within the School of Pharmacy and also works as part of the Medicines Optimisation Team in Sunderland Clinical Commissioning Group. She graduated from the University of Manchester with a Master of Pharmacy in 2008 and went on to complete an MSc in Clinical Pharmacy at Robert Gordon University in 2014. She started her current post at the University of Sunderland in 2013. Gemma has recently completed a research study exploring the use of unlicensed medicines, which was funded by the United Kingdom Clinical Pharmacist Association/Pharmacy Research UK Clinical Pharmacy Research Grant. She is also the Community Pharmacy Research Champion for the NIHR Local Clinical Research Network North East and North Cumbria.

16:30 F009, Wolfson Building



Inspiring juniors, the value of a research culture in patient care

Wasim Baqir, Northumbria Healthcare NHS Foundation Trust

Wasim is the Lead Clinical Pharmacist for the Northumberland Vanguard Primary and Acute Care Service. He is leading an integrated team of pharmacists and technicians to develop and test pharmacy services for patients across Northumberland. Prior to this he was lead for Research, Development and Quality Improvement at Northumbria Healthcare NHS Foundation Trust and Prescribing Support Team Leader at The Village Green Surgery General Medical Practice. He graduated from The Robert Gordon University with a BSc. in Pharmacy, before completing a PhD at the University of Newcastle-Upon-Tyne: '*A Survey of the use of medicines with prolonged oral clearance in the elderly in North-East England*'. Wasim has also worked as a lecturer and achieved an independent prescribing qualification in 2007. Wasim has worked on various successful research projects including: an RCT investigating osteoporosis group clinics, implementing self-administration of medicines (SAM) across an NHS Trust, developing a clinico-ethical framework for medication review in care homes and evaluating pharmacist prescribing across North East England. Recent achievements include receiving The Hugh McGavock Bursary for Prescribing and Research in Medicines Management 2016 and winning the United Kingdom Clinical Pharmacist Association Patient Safety Award for Implementing pharmacist prescribing across an NHS Trust in 2014.

Oral Presentations

Theme 1 Patient Safety D015, Ebsworth Building

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|-------|------------------------------------|--|
| 11:05 | Emma Bolton | An investigation into the barriers and facilitators to deprescribing unnecessary medications for care home residents to inform the development of a novel intervention |
| 11:25 | Clare Brown | A systematic review of the types and causes of prescribing errors generated from using computerized provider order entry systems in primary and secondary care |
| 11:45 | Rachel Porter and Charlene Proctor | Safe prescribing and medication administration for Parkinson's disease patients on admission to City Hospitals Sunderland |
| 12:05 | Nicholas Stockport | Clinical Audit: Recording of patient weights |

Theme 2 Service Delivery D016, Ebsworth Building

- | | | |
|-------|------------------------|--|
| 11:05 | Rachel Berry | The clinical input of the antibiotic pharmacist in a complex case |
| 11:25 | Adam Pattison Rathbone | A phenomenological investigation of medicines adherence: a novel direction for future intervention development |
| 11:45 | Joseph Brayson | Shared decision-making in atrial fibrillation |
| 12:05 | Katie Joyce | Continued suitability of unlicensed medicines |

Theme 3 Pharmaceutical Science D015, Ebsworth Building

- | | | |
|-------|----------------------------|---|
| 14:30 | Mohd Nadzri Bin Mohd Najib | Water influence in sodium diatrizoate hydrate(s) formation |
| 14:50 | Tim Eschle | The effects of acute trans-resveratrol supplementation on aspects of cognitive function and cerebral blood flow, during hypoxia and |

normoxia, in healthy, young humans.

- 15:10 Mohit Jain Rational drug designing for treatment of glioma
- 15:30 Zahra Batool Should carbamazepine be stored in monitored dosage systems?

**Theme 4 Service Delivery
D016, Ebsworth Building**

- 14:30 Charlotte Scott Introduction of music into a production unit
- 14:55 Alastair Green Patient satisfaction with clinical pharmacist consultations in primary care
- 15:10 Anna Robinson Improving patient experience with medicines: a quality improvement initiative
- 15:30 Daniel Ivison Clinical handover to community pharmacy: feasibility of implementation project

Poster Presentations

- 1 Amjed Qays Ibrahim Alqaisi Functional analyses of sphingolipid biosynthesis in an apicomplexan parasite
- 2 Amy-Madeleine Hall Medicines Reconciliation Training: An Inter professional approach to improve patient safety
- 3 Annam Saeed An audit on the management of post-operative pain relief in children
- 4 Clare Brown How are prescribers trained to use electronic prescribing systems? A review of the literature
- 5 Collins Acquah An audit of the prescribing of intravenous fluids in paediatric patients
- 6 Charlotte Ayres Monitoring tablet dissolution by mass spectrometry
- 7 Eillis Tobin Are prescribers complying with current guidelines with proton pump inhibitors for gastro-protection with dual antiplatelet therapy?
- 8 Layla Campbell Switching on high severity drug-drug interactions alerts: pharmacist responses and implications
- 9 Natalie Gallagher Regulation of MMP-10 by HDAC7: A strategy for inhibiting lung tumour growth
- 10 Rachel Guy On admission to hospital are anticholinergic medicines being reviewed and documented appropriately on clerking or the post-take ward round in frail and elderly patients by the Frailty team?
- 11 Richmond Arcillas Deprescribing non-essential medications in patients diagnosed with advanced lung cancer through a shared-decision framework
- 12 Sandra Zhen Does the prescribing of apixaban for the prevention of venous thromboembolism in patients undergoing elective knee and hip replacement surgery follow the NICE guidelines?
- 13 Sophie West The Safe Storage of Medicines on Surgical Wards
- 14 Kimberly Rockley Characterisation of novel molecular mechanisms involved in anthracycline-induced cardiotoxicity
- 15 Harriet Minto Review of Granulocyte Colony-Stimulating Factor Guidelines
- 16 Abdulaziz Mohammed Follow-up of Abnormal Patient Test Results in Primary Care
- 17 Sara El-Harari Antibiotic prophylaxis in cardiothoracic surgery

- 18 Caoimhe McClean An evaluation of introducing knitted comforters in an acute NHS teaching hospital in the UK.
- 19 Sarah Francis Development of methods to isolate and assess motile spermatozoa

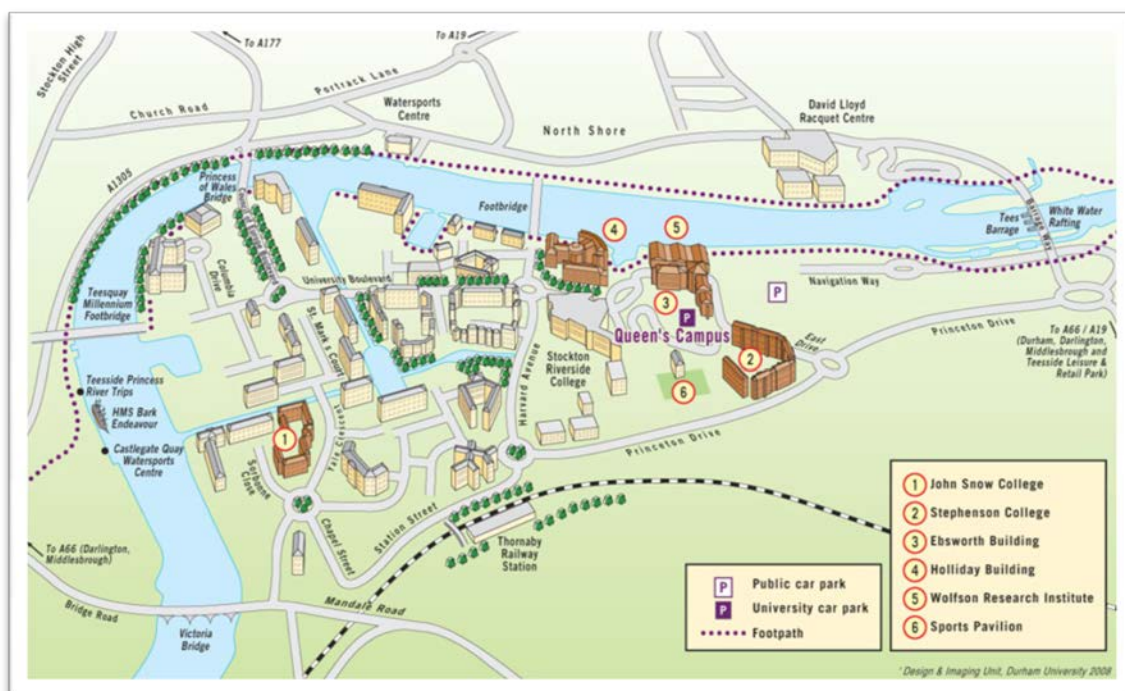
Acknowledgement

This conference would not have been possible without the support of Ms Veronica Crooks, postgraduate administrator, and Dr Paul Denny, director of postgraduate researcher.

Special thanks to the scientific expertise of Mr Phillip Corner who helped review submitted abstracts.

Special thanks too for the catering and security staff at the University, as well as the printing staff at Infographics.

Map



Parking

Delegates are kindly advised to ensure that they park in allotted bays in the University car park and sign their car in at the Wolfson Building Reception. Parking is free.

Travel

The campus address is:

Wolfson Building,
University Boulevard,
Queen's Campus,
Stockton-on-Tees,
TS17 6BH

The nearest rail station to Queen's Campus is Thornaby rail station.

Notes