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 pharmaceutics. 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 pharmaceutics.

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.
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

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
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<th>Poster Presentations</th>
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<tr>
<td>1  Amjed Qays</td>
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<td>2  Amy-Madeleine Hall</td>
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<td>6  Charlotte Ayres</td>
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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.
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.