Coming of Age: Rigour in Pharmacy Practice Research

Conference Programme

Thursday 16th and Friday 17th April 2015

Health Services Research and Pharmacy Practice (HSRPP) Conference, Belfast, 2015
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HSRPP 2015 Belfast – foreword

We are delighted to welcome you to Belfast and to the HSRPP conference, 2015. The venue is Riddel Hall, at Queen’s University Belfast. This recently refurbished facility is a showcase for the University, and is the home of the William J. Clinton Leadership Institute and the Northern Ireland Centre for Pharmacy Learning and Development. This is also the 21st anniversary for the HSRPP conference and we hope that the discipline of pharmacy practice research is truly coming of age.

The conference theme is “Rigour in Pharmacy Practice Research”. This theme reminds us that those working within pharmacy practice research should be striving to use sound and rigorous methodology in their studies to contribute to the development of evidence-based policy and practice. We hope that the 21st HSRPP conference will showcase strong, methodologically robust research and promote its use in decision-making in practice and policy.

Our three keynote speakers will, we are sure, inspire us all. All have undertaken research which has been noted for its quality and rigour, fitting with the theme of the 21st Conference. As at previous conferences, we have organised four parallel workshops which will cover topics of current interest, including methodological approaches and professional development.

In advance of the conference, we would like to thank everyone who has already contributed in various ways. We thank those who have submitted scientific abstracts, the HSRPP steering committee, Pharmacy Research UK, office staff at the School of Pharmacy, and all our sponsors (Northern Pharmacies, Medicare Pharmacy Group, McKeever’s Chemists, Pharmacy Plus, and HSC Public Health Agency, Research and Development Division). We would also like to thank our Keynote Speakers and the workshop leaders who will be facilitating workshops on Day 2 of the conference, all session chairs and poster session facilitators.

Finally, we hope these two days will be productive and enjoyable for both new and experienced researchers.

Best wishes

Carmel Hughes and Cris Ryan
School of Pharmacy
Queen’s University Belfast
PROGRAMME

Thursday 16th April 2015

09.00 – 10.30 Registration and Coffee/Tea Glass Corridor, Riddel Hall

10.30 – 10.45 Welcome and Introductions: Professor Patrick Johnston, Vice-Chancellor and President, Queen’s University Belfast Conference Room 1 and 2 Riddel Hall

10.45 – 11.45 Keynote Presentation Potentially Inappropriate Medicines: the importance of research evidence in terms of clinical practice and health policy Conference Room 1 and 2 Riddel Hall
Professor Tom Fahey, HRB Centre for Primary Care Research, Royal College of Surgeons in Ireland

11.45 – 13.00 Oral Papers Session 1

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<tr>
<td>Session Theme</td>
<td>Patient Safety</td>
<td>Medicines Administration</td>
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<tr>
<td>Session Chair</td>
<td>Dr. Nilesh Patel</td>
<td>Prof. Dai John</td>
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<td>11.45 – 12.10</td>
<td>Richard Keers</td>
<td>Liz Breen</td>
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<td>Investigating the quality and safety of discharge prescriptions in mental health hospitals: a prospective multicentre study</td>
<td>Where do they go? Destination Unknown: An exploratory study of the disposal of transdermal drug patches in the private healthcare sector (UK)</td>
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<td>12.10 – 12.35</td>
<td>Christian Thomas</td>
<td>Marie Ronan</td>
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<td>Identifying the challenges of maintaining a good safety culture in community pharmacy using the Manchester Patient Safety Assessment Framework</td>
<td>We push, pump and drip drop, but what are our patients getting? Observation of intravenous medication preparation and administration practices</td>
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<td>12.35 – 13.00</td>
<td>Ruth Miller</td>
<td>Kelly Lefteri</td>
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<td>Modelling unplanned readmission risk in patients admitted to an Acute Medical Unit</td>
<td>Nurse perceptions of medicine administration in Parkinson’s disease</td>
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<td><strong>Session Theme</strong></td>
<td><strong>Education</strong></td>
<td><strong>Potentially inappropriate prescribing I</strong></td>
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<td><strong>Session Chair</strong></td>
<td><strong>Prof. David Wright</strong></td>
<td><strong>Prof. Christine Bond</strong></td>
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<td><strong>11.45 – 12.10</strong></td>
<td><strong>Sam Jee</strong></td>
<td><strong>Barbara Clyne</strong></td>
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<td>Recently registered pharmacy technicians views’ on their education and training experiences in community and hospital pharmacy</td>
<td>Interventions to address potentially inappropriate prescribing in primary care: a systematic review of randomised control trials</td>
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<td><strong>12.10 – 12.35</strong></td>
<td><strong>Michelle King</strong></td>
<td><strong>David O Riordan</strong></td>
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<td>A pilot study of a multidisciplinary clinical pain program provided by the Gold Coast Medicare Local</td>
<td>Prevalence of potentially inappropriate prescribing (PIP) and potentially prescribing omissions (PPO) in older Irish adults: findings from a randomised placebo-controlled trial (TRUST)</td>
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<td><strong>12.35 – 13.00</strong></td>
<td><strong>Penny Lewis</strong></td>
<td><strong>Cathal Cadogan</strong></td>
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<td>Educational Provision for Improving the Prescribing of Junior Doctors</td>
<td>Prescribing appropriate polypharmacy for older people in primary care: a qualitative study of general practitioners’ perceptions and experiences</td>
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13.00 – 14.30  Lunch  Isdell Courtyard, Riddel Hall

13.30 – 14.30  **Attended Poster Sessions 1-3 (See pages X-X for session content)**  Riddel Hall

**Poster Session 1:** *Adherence.*  **Facilitator:** Prof. Bryony Dean Franklin.  
Venue: Lecture Room 1

**Poster Session 2:** *Antimicrobial Stewardship and International Perspectives on Health.*  **Facilitator:** Ms. Beth Allen.  
Venue: Conference Room 1 and 2

**Poster Session 3:** *Education.*  **Facilitator:** Dr Paul McCague.  
Venue: Lecture Room 3
14.30 – 15.30  
**Keynote Presentation**

**Rigour in Research – a person-centred approach**

*Professor Brendan McCormack, Queen Margaret University, Edinburgh*

Conference Room 1 and 2  
Riddel Hall

15.30 – 16.45  
**Oral Papers Session 2**

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<td><strong>Session Theme</strong></td>
<td>Patients’ perspectives</td>
<td>Pharmaceutical care</td>
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<td><strong>Session Chair</strong></td>
<td>Prof. Stephen Byrne</td>
<td>Dr. James Desborough</td>
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| **15.30 – 15.55** | Bryony Franklin  
Inpatient electronic prescribing – how involved are inpatients with their medication?  
Nadwa Alkhaldi  
Investigating the impact of medicine information services on patient outcomes: a systematic review |
| **15.55 – 16.20** | Camilla Sowerby  
Exploring the perceptions and experiences of people who use and those that provide a shared care clozapine service  
James Gallagher  
Economic evaluation of a software-supported structured pharmacist medication review in hospitalised older patients |
| **16.20 – 16.45** | Mesa Alsaleh  
Cultural influences affecting illness and medication beliefs amongst elderly Kuwaiti patients with type 2 diabetes in Primary health care setting in Kuwait: A qualitative study  
Jean Patterson  
Feasibility evaluation of an electronic method for documentation of clinical pharmacy interventions and activities in secondary care |
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<td>Pharmaceutical Public Health</td>
<td>Research Methods</td>
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<td>Session Chair</td>
<td>Dr. Cris Ryan</td>
<td>Dr. Catriona Matheson</td>
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<td>15.30 – 15.55</td>
<td>Anita Weidmann General public expectations of a community pharmacy led weight management service offered during smoking cessation</td>
<td>Catherine Shaw The impact of contextual factors on the prescribing of psychoactive drugs with older people: An analysis of treatment culture in nursing homes using an ethnographic approach</td>
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<td>15.55 – 16.20</td>
<td>John Alfa Ebola Virus Disease: understanding how relevant health information is disseminated in Nigeria</td>
<td>Sara Garfield Involving lay researchers in data collection: A descriptive study</td>
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<td>16.20 – 16.45</td>
<td>Emma Gray Outcomes from the Irish national hepatitis C prospective treatment registry</td>
<td>Beth Fylan Gwynn Patients’ medicines management after hospital discharge – a social network analysis</td>
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16.45 **CLOSE**

18.30 Coaches from Malone Lodge for tour of Belfast

19.45 Coaches arrive at Stormont

19.45 Drinks Reception

20.15 Dinner

22.30 Coaches to Malone Lodge
**Friday 17 April 2015**

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<td>09.30 - 10.30</td>
<td>Keynote Presentation</td>
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<td><strong>Researching Hillsborough: Recovering 'Truth', Informing 'Justice', Containing 'Emotion'</strong></td>
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<td><em>Professor Phil Scraton, Queen’s University Belfast</em></td>
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<td>10.30-11.00</td>
<td>Coffee/Tea</td>
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<td>11.00 – 12.30</td>
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<td>Using the RPS Faculty Advanced Pharmacy Framework to support your professional development - mapping evidence of and opportunities for research</td>
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<td>Mrs. Margaret Grayson, Dr. Gail Johnston and Ms. Ruth Boyd</td>
<td>Dr Rachel Roberts, Research Manager, Royal Pharmaceutical Society and Priya Patel, Research Manager, Royal Pharmaceutical Society</td>
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<td>Methodology workshop-can we make better use of what we already know?</td>
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<td>Dr. Helen McAneney</td>
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13.00 – 13.45

Attended Poster Sessions 1-3 (See pages X-X for session content)

**Poster Session 1:** *Patient Safety.* **Facilitator:** Dr. Penny Lewis.  
Venue: Glass Corridor, Riddel Hall

**Poster Session 2:** *Pharmaceutical Care.* **Facilitator:** Dr. Mary Tully  
Venue: Glass Corridor, Riddel Hall

**Poster Session 3:** *Pharmaceutical Services.* **Facilitator:** Dr. Sarah Wilson  
Venue: Glass Corridor, Riddel Hall

13.45 – 15.00

**Oral Papers Session 3**

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<tr>
<td>Session Theme</td>
<td>Pharmacists’ perspectives</td>
<td>Policy into practice</td>
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<td>Session Chair</td>
<td>Dr. Parastou Donyai</td>
<td>Prof. Carmel Hughes</td>
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| 13.45 – 14.10 | Reem Kayyali  
*Are pharmacists ready for research?* | Breda Bourke  
*An evaluation of compliance with medicine related criteria mandated in a national standard for patient discharge summary information* |
| 14.10 – 14.35 | Devina Halsall  
*Engaging the community pharmacy sector in research: Lessons learned from a national study of clinical productivity* | Paul McCague  
*An exploration of the views of key stakeholders on generic drug substitution in Ireland: a qualitative study* |
| 14.35 – 15.00 | Hannah Family  
*A diary study of community pharmacists’ mental workload* | Simon Butterworth  
*An evaluation of NHS Health Checks in community pharmacy; changes in cardiovascular risk factors over one year in patients aged 40-74* |
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| Potentially inappropriate prescribing II | **Kieran Walsh**  
*Improving the appropriateness of prescribing in older patients: a systematic review and meta-analysis of pharmacists' interventions in secondary care settings*  

**Janine Cooper**  
*Potentially inappropriate prescribing in a middle-aged population: a cross-sectional study in Northern Ireland using the Enhanced Prescribing Database*  

**Frank Moriarty**  
*Trends in polypharmacy and prescribing appropriateness from 1997 to 2012*  

**Janet Krska**  
*Medicine-related services: do pharmacists see things the same way as the public?*  

**Oladapo Ogunbayo**  
*“You just forget that the pharmacist is actually there…”: Views of people with long-term conditions (LTCs) on using community pharmacy for self-care support*  

**Stephen Byrne**  
*Economic evaluation of a randomized controlled trial of pharmacist-supervised patient self-testing of warfarin therapy* |

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| 13.45 – 14.10 | **Kieran Walsh**  
Improving the appropriateness of prescribing in older patients: a systematic review and meta-analysis of pharmacists' interventions in secondary care settings  

**Janine Cooper**  
Potentially inappropriate prescribing in a middle-aged population: a cross-sectional study in Northern Ireland using the Enhanced Prescribing Database  

**Frank Moriarty**  
Trends in polypharmacy and prescribing appropriateness from 1997 to 2012  

**Janet Krska**  
Medicine-related services: do pharmacists see things the same way as the public?  

**Oladapo Ogunbayo**  
“You just forget that the pharmacist is actually there…”: Views of people with long-term conditions (LTCs) on using community pharmacy for self-care support  

**Stephen Byrne**  
Economic evaluation of a randomized controlled trial of pharmacist-supervised patient self-testing of warfarin therapy | Coffee |
| 15.00 – 15.20 | Coffee                                                                                          | Riddel Hall                                   |
| 15.20 – 15.45 | Conference Summary, Prizes and Handover                                                          | Conference Room 1 and 2, Riddel Hall          |
Tom Fahey is Professor of General Practice, RCSI Medical School and Principal Investigator of the HRB Centre for Primary Care Research (www.hrbcentreprimarycare.ie), a national research centre with a programme of work that includes medicines management amongst vulnerable patient groups. Academic partners include Trinity College Dublin, Queen’s University Belfast and NUI Galway. He has strong collaborative links with colleagues in Europe through the FP7 TRANSFoRm study, (www.transformproject.eu), that is developing computing systems that will improve patient safety throughout Europe. He is accredited in public health/epidemiology and general practice and previously held academic posts at the Universities of Bristol and Dundee.
Professor Brendan McCormack, Queen Margaret University, Edinburgh

Brendan’s internationally recognised work in person-centred practice development and research has resulted in successful long-term collaborations in Ireland, the UK, Norway, The Netherlands, Canada, Australia and South Africa. His writing and research work focuses on person-centered practice, gerontological nursing, and practice development and he serves on a number of editorial boards, policy committees, and development groups in these areas. He has a particular focus on the use of arts and creativity in healthcare research and development. Brendan has more than 600 published outputs, including 160 peer-reviewed publications and 8 books. He is the Editor of the “International Journal of Older People Nursing”. Brendan is a Fellow of The European Academy of Nursing Science. In 2014 he was made a Fellow of the Royal College of Nursing, awarded the ‘International Nurse Researcher Hall of Fame’ by Sigma Theta Tau International and listed in the Thomson Reuters 3000 most influential researchers globally.
Phil Scraton PhD is Professor of Criminology in the Institute of Criminology and Criminal Justice, School of Law, Queen’s University, Belfast and Director of the Childhood, Transition and Social Justice Initiative. A regular contributor to academic journals and edited collections, his most recent books include: ‘Childhood’ in ‘Crisis’? (Routledge); Hillsborough: The Truth (Mainstream); Beyond September 11: An anthology of dissent (Pluto); Power, Conflict and Criminalisation (Routledge); The Violence of Incarceration (Routledge); The Incarceration of Women (Palgrave Macmillan).

Recent co-authored research reports are: Childhood in Transition: Experiencing Marginalisation and Conflict in Northern Ireland (Save the Children/ Prince’s Trust); The Hurt Inside: The Imprisonment of Women and Girls in Northern Ireland and The Prison Within (both for the Northern Ireland Human Rights Commission); Children’s Rights in Northern Ireland (Northern Ireland Commissioner for Children and Young People); Children of Imprisoned Parents (Danish Institute for Human Rights/ Eurochips).

He was a member of the Hillsborough Independent Panel (2010-2012) and primary author of the ground-breaking Hillsborough: The Report of the Independent Panel (2012). This research received the Vice-Chancellor’s inaugural award for research impact and was runner-up in the 2013 THES UK Research Project of the Year. In 2014 an ESPN/BBC documentary based on his Hillsborough research was nominated for an EMMY.
WORKSHOP INFORMATION

Title: Making good research excellent - Improving pharmacy practice research through rigorous patient and public involvement

Venue: Conference Room 1 and 2

Facilitators:
Mrs. Margaret Grayson, Chair, Northern Ireland Cancer Research Consumer Forum
Dr. Gail Johnston, HSC Research and Development Division, Public Health Agency
Ms. Ruth Boyd, Cancer Research UK Senior Nurse, NI Cancer Trials Centre, Belfast HSC Trust

Content: This workshop will explore Patient and Public Involvement (PPI) in research. It will utilize a series of interactive exercises and short presentations from PPI representatives and researchers to provide practical tips on how to involve patients and the public as equal partners in the research process.

At the end of this workshop participants will be able to:
- Describe the difference between involvement, participation and engagement
- Define ways in which patients, carers and public can be involved at different stages in the research cycle
- Explain how PPI can improve the design of research studies and enhance research quality
- Articulate PPI for their own research projects and funding applications.
Title: Using the RPS Faculty Advanced Pharmacy Framework to support your professional development - mapping evidence of and opportunities for research

Venue: Lecture Room 1

Facilitators:

Dr Rachel Roberts, Research Manager, Royal Pharmaceutical Society
Ms. Priya Patel, Research Manager, Royal Pharmaceutical Society

Content: The aim of this workshop is to explore the knowledge, skills, experience and behaviours pharmacy researchers can and are mapping against the developmental descriptors for the seven competencies with the Research & Evaluation cluster; highlighting gaps in participants’ knowledge and experience and exploring professional development opportunities, for example Research Ready accreditation for community pharmacy, to address these.

At the end of the session workshop participants will be able to:

- Identify their existing knowledge, skills, experience and behaviours which can be used to populate the Research & Evaluation Cluster of the Advanced Pharmacy Framework
- Identify learning needs and opportunities which can be used to target professional development and generate a Professional Development Plan.

Attending this workshop will give participants the opportunity to work with their peers to explore their research careers to date, and share experiences and ideas of how to progress.
**Academic Career development for early career researchers** *(Particularly aimed at those nearing the end of their PhD and/or having 1-2 years of postdoctoral experience)*

**Venue:** Lecture Room 2

**Facilitator:**

Ms Rebecca Boyd, Senior Careers Consultant (Postgraduate Research Students), Queen’s University Belfast

**Content:** This workshop will consider key criteria for academic career development for those at the formative stage of their careers. We will consider models for strategic planning and maximising opportunities within the context of what top research institutions look for. The workshop will help assess, through discussion and exercises, what skills and experiences are required and how they can be developed. This will be followed by addressing six key areas that should be the focus for progression in research careers:

1. What kind of academic career you want
2. How to develop your brand and academic profile
3. Focusing your research vision and strategy
4. Getting started with publications and funding pipelines
5. Developing your networking skills
6. How to gain relevant additional experience to enhance your prospects
Methodology workshop—can we make better use of what we already know?

Venue: Lecture Room 3

Facilitator:

Dr. Helen McAneney, Lecturer in Research Methodology, All-Ireland Hub for Trials Methodology Research, Queen’s University Belfast

Content: This workshop will explore novel methodologies which can be embedded in other rigorous study designs, in the context of the establishment of MRC-funded Methodology Hubs. It will consist of a short presentation followed by series of interactive exercises led by a member of staff from the All-Ireland Hub for Trials Methodology Research. At the end of this workshop, participants will:

- Be aware of the role and functioning of Methodology Hubs
- Understand novel methodologies employed by the All-Ireland Methodology Hub
- Define a ‘Study Within A Trial’ (SWAT)
- Outline how novel methodologies could apply to their own research.
Poster Sessions

Thursday Poster Session 1, Lecture Room 1
Facilitator: Prof. Bryony Dean Franklin

**Adherence**

*Maria Kelly* – Knowledge, attitudes and beliefs of patients and carers regarding medication adherence, a review of qualitative literature

*Joan Macleod* – A baseline survey of the supply of multi-compartment compliance aids from community pharmacies in Aberdeen

*Hadar Zaman* – An investigation of the knowledge and practice of healthcare professionals relating to the use of transdermal patches. Room for improvement?

*Cristin Ryan* – Defining the content of a theory-based intervention to Change AdhereNce to treatment in BonchiEctasis (CAN-BE): a systematic approach using the Theoretical Domains Framework and behavioural change techniques

*Katie MacLure* – Use of multi-compartment compliance aids in residents of very sheltered housing in north east Scotland: initial case study findings

*Parastou Donyai* – Identifying opportunity as the barrier to ADHD drug holidays: application of the behavioural change wheel

Thursday Poster Session 2, Conference Room 1 and 2
Facilitator: Ms. Beth Allen

**Antimicrobial Stewardship and International Perspectives on Health**

*Claire Trochez* – Public knowledge and awareness of antibiotic use – A survey from South West London

*Akinrinade Akintoye* – Rational use of antibiotics for respiratory tract infections: findings from a secondary healthcare facility in Abuja

*Derek Stewart* – Antimicrobial stewardship activities in hospitals in Ireland and the United Kingdom: a comparison of two national cross-sectional surveys.

*Abdulllah Al Hamid* – An exploration of the contributory factors leading to medicine-related problems from the perspectives of adult patients with cardiovascular diseases and/or diabetes mellitus in Saudi Arabia

*Karen Cardwell* – Prevalence of potentially inappropriate prescribing in Māori and non-Māori populations living in advanced age: a longitudinal study

Thursday Poster Session 3, Lecture Room 3
Facilitator: Dr. Paul McCague

**Education**

*Peter McKee* – A quantitative evaluation of the understanding and attitudes of pre-registration pharmacists in relation to an evidence-based approach to over-the-counter consultations

*Laura McEwen-Smith* – What is the effect on pre-registration pharmacist OSCE pass/fail scores when a specific and weighted communication skills assessment is used?

*Dai John* – Evaluating pharmacy and medicine therapeutics and prescribing interprofessional education (IPE) in the period 2011/2012 to 2013/2014 at undergraduate level at one UK university

*Maria Allinson* – The Practice Pharmacist in Action - Evaluation of a teaching module
Jessica Thompson – A pilot study to investigate the design, implementation and effectiveness of two clinical case studies and the associated, evaluative research instruments

Jennifer Silverthorne – Using portraiture as a method to describe professional formation: where is the rigour?

Friday Poster Session 1, Glass Corridor, Riddel Hall
Facilitator: Dr. Penny Lewis

**Patient Safety**
Louise Hughes – How do community pharmacists distinguish between minor and serious adverse drug reactions?
Karamjit Khangura – Omitted medicines in hospital: Assessing the scale of the problem and the potential for patient harm
Emma Kirkham – Factors which influence prescribing of lithium: views and perceptions of consultant psychiatrists
Jaheeda Gangannagaripalli – Evaluation of electronic prescribing in an intensive care unit: A Qualitative Study
Sarah Upton – A preliminary study identifying prescription factors associated with readmission

Friday Poster Session 2, Glass Corridor, Riddel Hall
Facilitator: Dr. Mary Tully

**Pharmaceutical Care**
Marion Cross – Omitted medicines: a snap shot evaluation to inform service development at a university hospital
Jean Patterson – Views and experiences of clinical pharmacists on an electronic method for documentation of clinical pharmacy activities in secondary care
Aideen O’Kane – Cytomegalovirus disease management in renal transplant patients: role of the renal pharmacist
Anna Millar – A qualitative study of community pharmacists’ awareness of and involvement with intermediate care facilities in Northern Ireland

Friday Poster Session 3, Glass Corridor, Riddel Hall
Facilitator: Dr. Sarah Wilson

**Pharmaceutical Services**
Efi Mantzourani - Exploring stakeholders’ perceptions of the Common Ailments Scheme (CAS) in community pharmacies in Wales
Catriona Matheson – Community pharmacy service for drug misusers: Measuring service delivery over two decades
Sally Jacobs – Organisational factors associated with variation in dispensing and medicine use review (MUR) activity in a sample of English community pharmacies
Rachel Mullen – Community pharmacists’ knowledge and experience of oncology treatment: A survey of the Midlands and North England
Trudi McIntosh – Why are non-medical prescribers not prescribing? Qualitative interviews with pharmacists and nurses.
Committee Details

Local Organising Committee
Carmel Hughes  Chair, Queen’s University Belfast
Cristin Ryan  Queen’s University Belfast
Duncan Walsh  Pharmacy Research UK

2015 Steering Committee
Christine Bond  University of Aberdeen
Stephen Byrne  University College Cork
James Desborough  University of East Anglia
Parastou Donyai  Reading University
Carmel Hughes  Queen’s University Belfast
Deborah Layton  Drug Safety Research Unit (DSRU), Southampton
Rosemary Lim  Reading University
Catriona Matheson  University of Aberdeen
Nilesh Patel  Reading University
Rachel Roberts  Pharmacy Research UK /Royal Pharmaceutical Society
Cristin Ryan  Queen’s University Belfast
Sarah Wilson  University of Central Lancashire