

# BAUS SECTION OF ACADEMIC UROLOGY MEETING

**THURSDAY 5 JANUARY 2012**

**08.30 REGISTRATION**

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**.30 GUEST LECTURE – Lecture Theatre 1**

'Tissue Engineering for the Pelvic Floor – Why and How Far Have We Got?'

Professor Sheila MacNeil

Professor of Tissue Engineering, Department of Materials Science and Engineering, University of Sheffield

Introduced by Mr James Catto

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**09.30-09.35 INTRODUCTION AND WELCOME – D96**

Professor Kilian Mellon, Chairman BAUS Section of Academic Urology

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**09.35-11.00 PAPER SESSION 1 – PROSTATE CANCER (12 Papers) (5 min + 2 min) – D96**

**09.35-09.42 U1 LINEAGE TRACKING IN SITU: WHERE ARE THE PROSTATE STEM CELLS? WHAT ARE THEY DOING?**

C Williamson, JK Blackwood, L Greaves, L Wilson, RS Pickard, M Lako, CN Robson, DM

Turnbull, RW Taylor, R Heer

Northern Institute for Cancer Research, Newcastle

**09.42-09.49 U2 THE PROTEIN PS20 INCREASES TUMOURIGENIC POTENTIAL IN PROSTATE CANCER EPITHELIAL CELLS**

OH Hickman, C Galustian C, A Vyakarnam, RA Smith, P Dasgupta

King's College Hospital, London

**09.49-09.56 U3 WFDC1/PS20 INHIBITS EXPANSION OF CD8-T CELLS AND NK CELLS AND EFFECTOR CELL MEDIATED KILLING OF PROSTATE CANCER CELLS IN THE PROSTATE**

Oh Hickman, C Galustian, A Vyakarnam, RA Smith, P Dasgupta

King's College Hospital, London

**09.56-10.03 U4 CIRCULATING MICRORNA SIGNATURES: A NOVEL MINIMALLY INVASIVE BIOMARKER FOR PROSTATE CANCER**

BD Kelly, N Miller, GC Durkan, KJ Sweeney, E Rogers, K Walsh, MJ Kerin

National University of Ireland, Galway

**10.03-10.10 U5 EMT BIOMARKERS IN PROSTATE CANCER PROGRESSION**

H Whiteland (1), S Spencer-Harty (2), H Thomas (2), C Davies (2), P Bose (3), N Fenn (3), C

Urology and (3)

Hospital

(1) School of Medicine, Swansea University, Swansea, Wales (2) Department of Pathology, Singleton Hospital, Swansea Bro Morgannwg University Hospital Trust,

Department of Urology and Pathology, Morriston Hospital, Swansea, Bro Morgannwg University Hospital Trust (4) Departments of Urology and Pathology, University

Wales, Cardiff, Swansea

**10.10-10.17 U6 INDUCED PLURIPOTENT STEM CELL (iPSC) RE-PROGRAMMING IN THE HUMAN PROSTATE**

Heer

D Pal, AC Rigas, SC Williamson, M Moad, J Carr-Wilkinson, L Lako, CN Robson, R

Northern Institute for Cancer Management, Newcastle

**10.17-10.24 U7 URINARY ERG IMMUNOCYTOCHEMISTRY CAN IDENTIFY PROSTATE CANCER PATIENTS PRIOR TO PROSTATE BIOPSY**

P Pal, EJ Hollox, L Cresswell, JH Pringle, R Hew, JG Barwell, JK Mellon, RC Kockelbergh

University Hospitals of Leicester NHS Trust

**10.24-10.31 U8 A NOVEL APPROACH TO TARGETING THE ANDROGEN RECEPTOR IN ANDROGEN INDEPENDENT PROSTATE CANCER, RESULTING IN CELL CYCLE ARREST AND HIGHLY EFFECTIVE APOPTOSIS**

IR Logan, FS Shaheen, L Gaughan, D O'Neill, CN Robson

Northern Institute for Cancer Management, Newcastle

- 10.31-10.38 **U9 THE ROLE OF EPITHELIAL TO MESENCHYMAL TRANSITION (EMT) IN IPS INDUCTION OF HUMAN PROSTATE**  
D Pal, AC Rigas, SC Williamson, M Moad, CN Robson, R Heer  
Northern Institute for Cancer Management, Newcastle
- 10.38-10.45 **U10 RETINOIC ACID RECEPTOR RESPONDER PROTEIN 2 (RARRES2) CAUSES INCREASED CELL PROLIFERATION AND MIGRATION IN PROSTATE CANCER CELLS**  
KG Williams, KM Desai, HS Randeve, K Jefferson, M Ramanjaneya  
University Hospitals Coventry & Warwickshire NHS Trust
- 10.45-10.51 **U11 ASSESSING THE VALIDITY OF THE PROSTATE CANCER PREVENTION TRIAL PROSTATE CANCER RISK CALCULATOR (PCPT-PCRC) IN AN IRISH COHORT**  
DJ Landon, BD Kelly, S Boyce, F Kheradmand, N Nusrat, S Jaffry, M Corcoran, G Durkan, E Rogers, K Walsh  
University College Hospital, Galway and University College Dublin
- 10.51-10.58 **U12 EPHB3 AND EPHB4 RECEPTOR EXPRESSION IN PROSTATE CANCER – A FUTURE DIAGNOSTIC AND PROGNOSTIC MARKER?**  
JW Wall, TS Stonier, CDN Nobes  
University of Bristol

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**11.00-11.30 COFFEE AND TRADE EXHIBITION** – *Foyer/Clinical Skills Centre*

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- 11.30-12.15 PAPER SESSION 2 – INFECTION AND BENIGN DISEASE** (6 Papers) (5 min + 2 min) – *D96*
- 11.30-11.37 **U13 UROPATHOGEN PATTERN AND ANTIBIOTIC RESISTANCE OF CATHETER ASSOCIATED URINARY TRACT INFECTIONS IN A UK UNIVERSITY HOSPITAL**  
AL Lam, H Salem, N Kadi, H Ratan  
Nottingham Medical School
- 11.37-11.44 **U14 THE ANTI-MICROBIAL PEPTIDE BETA-DEFENSIN-2 PROTECTS THE BLADDER AGAINST FLAGELLATED ESCHERICHIA COLI**  
ASM Ali, M Lanz, CL Townes, C Varley, BS M-Falero, T Stanly, WA Robson, J Southgate, J Hall, RS Pickard  
Newcastle University
- 11.44-11.51 **U15 ASSESSMENT OF A VARIABLE STRESS RIG TO IMPROVE THE PROPERTIES OF A TISSUE ENGINEERED PROSTHESIS FOR USE IN STRESS URINARY INCONTINENCE AND PELVIC ORGAN PROLAPSE**  
A Mangera, S Roman, A Bullock, CR Chapple, S MacNeil  
University of Sheffield
- 11.51-11.58 **U16 ASSESSMENT OF URINARY LACTOFERRIN AS A SURROGATE MARKER FOR URINARY TRACT INFECTION IN PATIENTS WITH LOWER URINARY TRACT SYMPTOMS**  
TG Brenton, K Gill, JG Malone-Lee  
University College London Medical School
- 11.58-12.05 **U17 AN INNATE IMMUNE RESPONSE TO MOTILE E. COLI IS EXHIBITED BY BOTH BLADDER AND VAGINAL CELLS**  
BS M-Falero, ASM Ali, M Lanz, CL Townes, RS Pickard, J Hall  
Newcastle University
- 12.05-12.12 U18 ROLE OF INTERSTITIAL CELLS OF CAJAL LIKE CELLS IN HUMAN NEUROGENIC DETRUSOR OVERACTIVITY**  
JH Seth, A Sahai, T Lashley, J Panicker, MS Khan, P Dasgupta, C Fowler  
National Hospital for Neurology and Neurosurgery

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**12.15-13.00 GUEST LECTURE** – *D96*  
Professor Robert Lechler  
Vice-Principal and Executive Director of King's Health Partners Academic Health Sciences Centre, King's College Hospital, London

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**13.00-14.00 LUNCH AND TRADE EXHIBITION - Foyer**

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**14.00-15.20 PLENARY SESSION 2 FOR THE PATEY PRIZE (7 papers) (7min + 3 min) – Lecture Theatre 1**

Chairs: Professor J Andrew Bradley and Professor Cliff Shearman

**14.00-14.10 CO- O8 INTERLEUKIN-15 POTENTIATES CD8 AND NK EFFECTOR CELL EXPANSION AND TUMOUR KILLING IN PROSTATE CANCER-PERIPHERAL BLOOD MONONUCLEAR CULTURES**

OE Elhage, C Galustian, O Ukimura, I Gill, RA Smith, P Dasgupta  
King's College London

**14.10-14.20 O9 BLOOD BASED ASSAY FOR EARLY DETECTION OF COLORECTAL ADENOMA AND CARCINOMA**

MI Aslam (1,2), M Patel (1,2), B Singh (1,2), JH Pringle (2), JS Jameson (1)  
(1) Department of Colorectal Surgery, Leicester General Hospital, University Hospitals of Leicester NHS Trust (2) Department of Cancer Studies and Molecular Medicine, University of Leicester

**14.20-14.30 O10 DISRUPTION OF EATING PATTERNS AND INTESTINAL GLUCOSE SENSING IN OBESITY-INDUCED DIABETES**

H Y Bhutta (1,3), T Deelman (1,3), DB Rhoads (2,3), A Tavakkolizadeh (1,3)  
(1) Brigham and Women's Hospital, (2) Massachusetts General Hospital, (3) Harvard Medical School

**14.30-14.40 O11 SURGICAL STRESS INCREASES MUSCLE PYRUVATE DEHYDROGENASE KINASE-4 MRNA EXPRESSION AND IMPAIRS MUSCLE PYRUVATE DEHYDROGENASE COMPLEX ACTIVITY, AND MAY UNDERLIE POSTOPERATIVE MUSCLE INSULIN RESISTANCE**

KK Varadhan (1), D Constantin-Teodosiu (2), D Constantin (2), R Atkins (2), \*PL Greenhaff\*(2), \*DN Lobo\* (1) [\*Joint senior authors]  
(1) Nottingham Digestive Diseases Centre, NIHR Biomedical Research Unit, Nottingham University Hospitals Queen's Medical Centre, Nottingham, UK (2) Centre for Integrated Systems Biology and Medicine School of Biomedical Sciences, University of Nottingham, Nottingham, UK.

**14.40-14.50 O12 THE TUMOUR SUPPRESSOR GENE, AIMP3 SENSITISES BLADDER CANCER TO CHEMO/RADIOTHERAPY IN VITRO AND IS A PROGNOSTIC MARKER FOR OVERALL SURVIVAL IN PATIENTS TREATED WITH RADIOTHERAPY FOR MUSCLE INVASIVE DISEASE**

PMS Gurung, M Williamson, C West, N Counsell, A Feber, P deWinter, T Powles, A Freeman, P Hoskins, JRW Masters, JD Kelly  
University College London

**14.50-15.00 O13 OESOPHAGEAL ADENOCARCINOMA TARGETED THERAPY: VEGF AS A CO-TARGET WITH IGF1R INHIBITION**

CI Donohoe, EP Stok, E Daly, J Lysaght, J O'Sullivan, GP Pidgeon, JV Reynolds  
(1) Dept of Surgery, Trinity College Dublin, St James' Hospital, Dublin, Ireland (2) Dept of Pathology, Beaumont Hospital. Royal College of Surgeons, Dublin, Ireland

**15.00-15.10 O14 NORMALIZATION OF THE PRO-THROMBOTIC DIATHESIS IN PATIENTS WITH ABDOMINAL AORTIC ANEURYSM (AAA) FOLLOWING ENDOVASCULAR (EVAR) AND OPEN ANEURYSM REPAIR (OAR)**

MF Abdelhamid (1,2), RSM Davies (1,2), DJ Adam (1), RK Vohra (2), AW Bradbury (1)  
(1) University Department of Vascular Surgery, Heart of England NHS Foundation Trust, Birmingham, UK (2) Department of Vascular Surgery, University Hospital Birmingham NHS Foundation Trust, Birmingham, UK

**15.10-15.20 O15 REPIGMENTATION OF CUTANEOUS SCARS IN BLACK AND WHITE SKIN: AN OBSERVATIONAL STUDY**

S Chadwick, MWJ Ferguson, M Shah  
Central Manchester University Hospitals and University of Manchester

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<b>15.20-15.50</b>	<b>COFFEE AND TRADE EXHIBITION</b> – <i>Foyer/Clinical Skills Centre</i>
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<b>15.50-16.20</b>	<b>PAPER SESSION 3 – BLADDER AND RENAL (4 Papers) (5 min + 2 min)</b> – <i>D96</i>
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15.50-15.57	<p><b>U19 RENAL DIFFERENTIATION FROM ADULT SPERMATOGONIAL STEM CELLS</b>  AC Rigas, SC Williamson, A Kennedy, A El-Sherif, NA Soomro, CDA Brown, CN Robson, R Heer  Newcastle University</p>
15.57-16.04	<p><b>U20 P21-ACTIVATED KINASES (PAKS) IN UROTHELIAL CANCER</b>  AF Ismail, CM Wells, P Dasgupta  King’s College Hospital, London</p>
16.04-16.11	<p><b>U21 PATIENT SATISFACTION WITH LASER ABLATION OF RECURRENT SUPERFICIAL TUMOURS OF THE BLADDER VIA A FLEXIBLE CYSTOSCOPE UNDER LOCAL ANAESTHESIA</b>  NK Kadi, H Salem, A Perahca  Royal Derby Hospital</p>
16.11-16.18	<p><b>U22 A PILOT STUDY OF COMPLEMENT CASCADE ACTIVATION AS A MARKER FOR RECOVERY FOLLOWING MAJOR ABDOMINAL SURGERY</b>  AM Shaw (1), B van Vuuren (1), JS McGrath (2), I Daniels (2)  (1) College of Life and Environmental Science, University of Exeter (2) Exeter Surgical Health Services Research Unit, Department of Surgery, Royal Devon and Exeter NHS Trust</p>

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<b>16.20-16.50</b>	<p><b>JOHN FARNDON MEMORIAL LECTURE</b> – <i>Lecture Theatre 1</i>  ‘Science and Survival in Military Casualties’  Professor Sir Keith Porter  Professor of Clinical Traumatology, University of Birmingham  Chairs: Professor J Andrew Bradley and Mr Frank Smith</p>
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<b>16.50-17.20</b>	<p><b>PRESENTATION OF PRIZES</b> – <i>Lecture Theatre 1</i>  Professor J Andrew Bradley</p>
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