UNIVERSITY OF BIRMINGHAM
COLLEGE OF MEDICAL AND DENTAL SCIENCES
PERCAT RESEARCH GALA

PROGRAMME

12.00 -1.00  Registration / Lunch and poster viewing (The Dome Room)
1.00 – 1.15  Welcome from Professor Roy Bicknell (Head of PERCAT)
1.15 – 1.30  David Millar (Immunity & Infection)
             Re-directing the anti-viral T cell response
1.30 – 1.45  Myriam Chimen (Clinical & Experimental Medicine)
             Identity and function of a novel immune-regulatory peptide, PEPITEM
1.45 – 2.00  Shamil Haroon (Health and Population Sciences)
             The use of routine data in primary care to detect undiagnosed COPD
2.00 – 2.15  Pierre Cauchy (Cancer Sciences and Immunity and Infection)
             FLT3-ITD mutations in AML confer a specific gene regulation signature
2.15 – 2.30  Rachel Watkins (Clinical & Experimental Medicine)
             A novel interaction between PBF and cortactin: evidence for a role in thyroid cell
             migration and invasion
2.30 – 2.45  Refreshments – coffee/tea and cakes
2.45 - 4.00  2 poster sessions and judging (The Dome Room)
4.00 - 5.00  Keynote Speaker - Professor Paul McMaster FRCS
             President of Medecins Sans Frontieres (MSF) (UK)
             Medical Research and the Real World
             Prize giving
5.00 onwards  Wine, nibbles and networking

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1. **Ben Babourina-Brooks** - Cancer Sciences
   Investigating the Micro-environment of Childhood Brain Tumours using MRS

2. **Dalan Bailey** - Immunity and Infection
   The peste des petits ruminants virus (PPRV) receptors: ovine SLAM and Nectin-4

3. **Amitava Banerjee** - Clinical and Experimental Medicine
   A prospective study of estimated glomerular filtration rate and outcomes in patients with atrial fibrillation: The Loire Valley Atrial Fibrillation Project

4. **John Campbell** - Immunity and Infection
   Development of a rapid point-of-care test for the diagnosis of myeloma kidney

5. **Joanne Croudace** - Cancer Sciences
   Chemokine-mediated tissue recruitment of CXCR3+ CD4+ T cells plays a major role in the pathogenesis of chronic GVHD

6. **Andy Dickens** - Health and Population Sciences
   The Birmingham COPD Cohort Study - Associations between CAT, lung health and health care utilisation

7. **Craig Doig** - Clinical and Experimental Medicine
   NRK2 and inadequate adaptation of skeletal muscle to changing metabolic demand

8. **Michelle Farquhar** - Cancer Sciences, Immunity and Infection
   Identifying a role for Autotaxin in Hepatitis C Virus infection

9. **Nicola Fletcher** - Immunity and Infection
   Inflammatory cytokines promote viral infection of polarized cells

10. **Alexander Garvin** - Cancer Sciences
    The chromatin associated de-SUMOylase SENP7 regulates DNA repair

11. **Tania Griffin** - Health and Population Sciences
    Fitness and BMI in 5-6 year old children; a study on a sub sample of children from the WAVES study

12. **John Halsall** - Cancer Sciences
    Rapid chromatin reorganisation suppresses aberrant gene expression in response to histone deacetylase inhibitor treatment

13. **Debbie Hardie** - Immunity and Infection
    Analysis of immunohistological images of stromal cell populations in ultrasound guided biopsies of synovium to help predict patient outcomes in rheumatoid arthritis

14. **Rowan Hardy** - Clinical and Experimental Medicine
    Disruption of Mesenchymal Glucocorticoid Signaling Attenuates Embryonic Lung Development and Results in Post Natal Lethality in Mice

15. **Craig Hughes** - Clinical and Experimental Medicine
    The SH2 and kinase domains of Syk are required for platelet ITAM signalling, but not for integrin αIIbβ3 signalling

16. **Charlotte Inman** - Cancer Sciences
    Predicting outcome after stem cell transplant (SCT) from early T-cell reconstitution

17. **Louisa Jeffery** - Immunity and Infection
    Availability of 25-hydroxyvitamin D3 to antigen presenting cells controls the balance between regulatory and inflammatory T cell responses

18. **Rebecca Jones** - Cancer Sciences
    BRCA2 and RAD51 promote double-strand break formation and cell death in response to Gemcitabine

19. **Sarah Kohe** - Cancer Sciences
    Validation of a Molecular Classification of Retinoblastoma

20. **Panagiotis Kotsantis** - Cancer Sciences
    Role of transcription in oncogene-induced replication stress

21. **Marc Lenoir** - Cancer Sciences
    Viral infection controlled by Alix Ca+2-dependent LBPA-binding

22. **Evaggelia Liaskou** - Immunity and Infection
    Are CD28-ve T cells Key Players In PSC Etiopathogenesis? Increased Frequency of CD4+CD28- and CD8+CD28- T Cell Populations In Human Primary Sclerosing Cholangitis
23. **Elizabeth Marsh** - Cancer Sciences
   An essential role for the Human Papillomavirus E6-PDZ binding function in the virus life cycle
24. **Jonathan W Mueller** - Clinical and Experimental Medicine
   Sulfation pathways in health and disease
25. **Kyoko Nakamura** - Immunity and Infection
   Differential requirement for CCR4 in the maintenance but not establishment of the invariant Vγ5+
dendritic epidermal T-cell pool
26. **Leyre Navarro-Nunez** - Clinical and Experimental Medicine
   Characterization of the platelet adhesion to lymphatic endothelial cells and recombinant podoplanin
   under flow
27. **Peter Noy** - Immunity and Infection
   CLEC14A: Angiogenic and tumour regulator
28. **Nadine Obier** - Cancer Sciences
   Transcriptional programming of chromatin during early hematopoietic development
29. **Colette O’Shaughnessy** - Immunity and Infection
   Antibody-dependent cell-mediated killing of nontyphoidal Salmonella in HIV-infected Malawian adults
30. **Alice Pollitt** - Clinical and Experimental Medicine
   Platelet CLEC-2-mediated clustering of podoplanin regulates adhesion
31. **John J Reynolds** - Cancer Sciences
   Characterisation of a novel gene with a potential role in the Fanconi anaemia tumour suppressor
   pathway
32. **Charlotte Rutledge** - Cancer Sciences
   Identification of Cell Cycle-Specific Histone Modification Patterns
33. **James Sheppard** – Health and Population Sciences
   Is it safe to wake up? Defining the prognostic value of the morning blood pressure surge in clinical
   practice
34. **Shishir Shetty** - Immunity and Infection
   Comparison of lymphocyte recruitment mechanisms across human hepatic sinusoidal endothelium
   from normal and chronically inflamed livers
35. **Vicki Smith** - Clinical and Experimental Medicine
   PBF is a novel regulator of the thyroid hormone transporter MCT8
36. **Angela Taylor** - Clinical and Experimental Medicine
   Prevention of adrenal crisis in stress (The PACS Study): Serum Cortisol during elective surgery and
   acute trauma in comparison to “stress dose” hydrocortisone administration in adrenal insufficiency
37. **Samantha Tull** - Immunity and Infection
   ECSCR- an Unique Endothelial Cell Surface Glycoprotein
38. **Vasanthy Vigneswara** - Clinical and Experimental Medicine
   Combined suppression of caspase-2 and -6 protects retinal ganglion cells from apoptosis and promotes
   axon regeneration through CNTF-mediated JAK/STAT signalling pathway
39. **Chris Weston** - Immunity and Infection
   Vascular Adhesion Protein-1 (VAP-1): A key player in the modulation of hepatic fibrosis
40. **Andrea White** - Immunity and Infection
    Development and function of the thymic medulla
41. **Clara Yates** - Clinical and Experimental Medicine
    A comparison of flow cytometry and nanoparticle tracking analysis to enumerate plasma MV load in
    trauma patients
42. **Lorraine Yeo** - Immunity and Infection
    A novel pro-inflammatory B cell population in rheumatoid arthritis can be identified by expression of
    FcRL4

**Kate Mahoney** – Vitae Hub Manager
Researcher Development Framework – Structure and Content

A complete list of abstracts will shortly be available on the PERCAT website [www.birmingham.ac.uk/percat](http://www.birmingham.ac.uk/percat)