

Southampton Medical & Health Research Conference 2017

Programme: Day 1

14 June

9:00	Registration with tea & coffee	
	Lecture Theatre 1	
9:25	Introduction & Welcome Professor Iain Cameron, Dean, Faculty of Medicine & Professor Mandy Fader, Dean, Faculty of Health Sciences	
9:35	Southampton Academy of Research - Kay Mitchell & Professor Jane Lucas	
	Lecture Theatre 1	Lecture Theatre 2
	Stem Cell & Regenerative Medicine Chair: Professor Diana Baralle	Immunology & Infection Chair: Professor Tim Elliott
9:45	A microfluidic approach to image single cells for regenerative medicine Antonio De Grazia	Rapid pathogen identification using microfluidic impedance cytometry Alison Hill
10:00	The effect of bioimemetic mother of pearl oyster, <i>Pinctada maxima</i> , topography on human skeletal stem cell differentiation Shona Waddell	A bioengineered 3-dimensional cell culture platform integrated with microfluidics to address antimicrobial resistance in tuberculosis Magdalena Bielecka
10:15	Human embryonic stem cells utilise the CtBP family of glycolytic sensors to regulate pluripotency Sophie Arthur	Tissue-resident Natural Killer (NK) cell Phenotype in the Human Lung Grace Cooper
10:30	Stem cell differentiation is a stochastic process with memory Patrick Stumpf	GEM T cell responses are modulated by Mycobacterium tuberculosis mycolic acid meromycolate chains Andrew Chancellor
10:45	Break	
	Translational Research Chair: Professor Sue Colley	Cancer Research Chair: Professor Diana Eccles
11:00	Classification of Paediatric Inflammatory Bowel Disease using Machine Learning Enrico Mossotto	Ensemble Random Forest Classifier for predicting myeloproliferative neoplasms subtype using patient's genomic profile Reza Forooshani
11:15	Routine molecular point-of-care testing for respiratory viruses in adults presenting to hospital with acute respiratory illness and its impact on antiviral and side room use: A Pragmatic Randomised Controlled Trial Ahalya Malachira	Narratives of breast cancer decision-making: Exploring reasons for delaying treatment Wan Hasliza Wan Mamat
11:30	PREPARE trial: A randomised double blinded controlled trial of a preconception Omega 3 and Vitamin D rich dietary supplement in couples undergoing assisted reproduction treatment Alexandra Kermack	Exploring the patient's perspectives – how people manage their rehabilitation needs after a diagnosis of advanced lung cancer Catherine Sandsund
11:45	The impact on antibiotic use of routine molecular point-of-care testing for respiratory viruses in adults presenting to hospital with acute respiratory illness: results of a pragmatic randomised controlled trial (ResPOC) Nathan Brendish	Immune modulating properties of chemotherapy in preclinical and in vitro models of neuroblastoma Emily Rose Webb
12:00	Lunch & Poster Session	

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	Lecture Theatre 1	Lecture Theatre 2
	Enterprise and spinning out in UoS Chair: Professor Salim Khakoo	Cancer Research Chair: Professor Mark Cragg
13:15	MRC Confidence in Concept and Proximity to Discovery: Two new Southampton enterprise funding schemes Salim Khakoo and Reuben Wilcock	Lymphoma-mediated resistance to antibody immunotherapy can be reversed by STING activation Lekh Dahal
13:30		miRNA sequencing of primary Chronic Lymphocytic Leukaemia identifies expression signatures associated with B-cell receptor signaling capacity Lindsay Smith
13:45	Boosting the dark side of signal transduction - Repurposing phosphatase activators to suppress antigen receptor signalling in human B-cell cancers Professor Graham Packham	Clinical importance of DNA methylation signatures in chronic lymphocytic leukaemia patients treated with chemo-immunotherapy Harindra Amarasinghe
14:00		The B cell receptor/IL-4 signalling axis and therapeutic implication in chronic lymphocytic leukaemia (CLL) Rachel Dobson
14:15	Experience of Future Worlds Dr Jay Laver	Early increased expression of surface IgM but not of other associated molecules appears to reflect antigen disengagement in CLL patients on ibrutinib therapy Samantha Drennan
14:30	ICURe - From PhD to Entrepreneur Dr Agnieszka Janeczek	Mini presentations by Matthew Rose-Zerelli, Robert Oldham, Daniel Aze and Isabel Madechangu
14:45	Break & Poster Session	
	Enterprise and spinning out in UoS Chair: Professor Sue Colley	Cancer Research Chair: Professor Martin Glennie
15:45	From little acorns: the important of seed corn funding to the enterprise agenda Cheryl Metcalf	Improving the efficacy of anti-CD20 monoclonal antibodies via combination with novel kinase inhibitors Matthew Carter
16:00	Careers in biotechnology and the pharmaceutical industry Nadia Luheshi	Targeting Myc-driven models of aggressive B-cell lymphoma with novel bromodomain inhibitors Thomas Cummin
16:15	Oncology research at Medimmune Robert Wilkinson	A decision support tool for young women with breast cancer choosing whether to have genetic testing for BRCA1 and BRCA Chloe Grimmett
	Lecture Theatre 1	
16:30	BM Projects Prize Award Ceremony Dr Susan Wilson	
16:45	NIHR Southampton Biomedical Research Centre Professor Rob Read	
17:00	Break	
17:15	The Annual Wade Lecture 2017: Medical Science in a Changing World Dr Jeremy Farrar, Director of The Wellcome Trust	

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Programme: Day 2

15 June

10:00	Registration with tea & coffee	
	Lecture Theatre 1	
10:20	Introduction & Welcome Fiona Dalton, Chief Executive, University Hospital Southampton	
10:30	Crossing the Third Translational Gap – Implementation Science Professor Carl May	
	Lecture Theatre 1	Lecture Theatre 2
	Respiratory, Allergy & Nutrition Chair: Professor Ratko Djukanovic	Biomedical Research in Southampton Chair: Professor Dan Bader
10:45	Maternal protein restriction around conception is associated with offspring adult short-term and long-term memory deficits Joanna Gould	Sorting skeletal stem cells from human bone marrow using a novel label-free microfluidic approach Miguel Xavier
11:00	“My goal is staying alive for the next year”: A qualitative interview study exploring perceptions of goals amongst people with COPD Rachael Summers	The identification of potential biomarkers relevant to metastasis in cutaneous squamous cell carcinoma by mass spectrometry based proteomics Andy Shapanis
11:15	Soluble ADAM33 promotes susceptibility for allergic asthma via a non-type-2 immune response Joanne Kelly	Collective cellular mechanosensing Camelia Tusan
11:30	Mini presentations by Chloe Rose, David Smart and Ella Baker	Mini presentations by Emma Lofthouse, Nevena Krstic and Brogan Ashley
11:45	Lunch & poster session	
	Respiratory, Allergy & Nutrition Chair: Professor Philip Calder	Dementia & Ageing Chair: Professor Roxana Carare
13:00	Treatment resistance in severe asthma: what do the cells tell us? Clair Barber	Effects of maternal high-fat diet (HFD) on cell populations in the cortex and hippocampus of the adult offspring mouse brain Diego Ojeda-Pedraza
13:15	The effect of a maternal vitamin D depleted diet during gestation on the behaviour and activity of young adult mouse offspring Lisa Jones	Imaging Care Requirements: Use of Functional HMPAO-SPECT Scanning to Predict Caregiver Burden Angus Prosser
13:30	Palliative and end of life care conversations in COPD - a systematic literature review Nuno Tavares	First stage of a Core Outcome Set to evaluate physical activity interventions for people with dementia Ana-Carolina Goncalves
13:45	Use of a contactless optical device (Structured Light Plethysmography (SLP)) to quantify and record breathing parameters Panagiotis Sakkatos	Haemoglobin scavenging kinetics in the CSF after subarachnoid haemorrhage Matthew Morton
14:00	Poster session	

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	Population to Patients: Southampton to the World Chair: Professor Cyrus Cooper	Dementia & Ageing Chair: Professor Jackie Bridges
15:15	Unsupported decision-making: families' experiences of taking their dying relatives home from critical care units in China Yanxia Lin	Neuro LTC: Assessing Baseline Factors and Critical Events in Long Term Neurological Conditions Sarah Fearn
15:30	The INTERGROWTH-21st Neurodevelopment Assessment Package: Measuring early child development by non-specialists in 8 countries Michelle Fernandes	Relationships between markers of inflammaging and bone microarchitecture: findings from the Hertfordshire Cohort Study Nicholas Fuggle
15:45	From data to action to reduce child mortality in Africa: avoidable factors are more important than cause of death Merlin Willcox	Implementation of routine grip strength measurement among older inpatients on admission to hospital: identifying facilitators and barriers using Normalisation Process Theory (NPT) Kinda Ibrahim
16:00	The association of nurses' shift work characteristics and sickness absence Chiara Dall'Ora	Mini presentations by Mari Carmen Portillo, Jay Amin and Stephen Lim
16:15	Patient experiences of treatment in lung cancer: a systematic review and qualitative meta-synthesis Kate Lippiett	Observing people with dementia at meal times in acute hospital wards - phase 1 of PhD study Naomi Gallant
	Lecture Theatre 1	
16:30	Academy of Medical Sciences Dr Helen Munn, Executive Director, Academy of Medical Sciences	
16:45	Prize Ceremony Professor John Holloway	
17:00	End of Conference	