



UNIVERSITY OF
CAMBRIDGE



INTERNATIONAL BIOMEDICAL
RESEARCH ALLIANCE



NIH OXFORD-CAMBRIDGE
SCHOLARS PROGRAMME
ANNUAL WORKSHOP

POSTER SESSIONS

26 JUNE: 16:00 – 17:30

27 JUNE: 16:00 – 17:00

ARCO BUILDING



WEDNESDAY 26 JUNE 2019
16:00 - 17:30, ARCO BUILDING
THEMES: IMMUNOLOGY & INFECTIONS

THEME: IMMUNOLOGY

Victoria Avanzato	Structurally Conserved Bat IgG Antibodies Show a High Abundance of Sialylated Glycans: Potential Implications for Disease Resistance in Bats
Kathleen Bashant	Real-time deformability cytometry reveals the biophysical kinetics of neutrophil immune function, particularly in the context of lupus
Madeline Epping	Fc Receptor of IgA and IgM is a Novel Candidate Gene for Primary Immunodeficiency
Taylor Farley	Tracking Non-Classical Immune Responses to the Microbiome in Humans
Cameron Gardner	Towards engineered autologous cellular therapies for RAG2 deficiency
Aleksandra Ivovic	Somatic mutation landscape of tissue resident lymphocytes in Primary Sjogren's Syndrome
Jonathan Liang	Fatty acids activate the NLRP3 inflammasome through distinct pathways from canonical NLRP3 triggers
Matthew Mulè	Simultaneous single-cell transcriptome and protein profiling of influenza vaccination responses in humans
Lindsey Rosen	The role of extra-thymic Aire-expressing cells (eTACs) in Aire-regulated autoimmunity
John Shannon	Patrolling ILCs Restrain Mucosal Viral Replication Through Tissue-Wide Delivery of IFN- γ
Zinan Zhang	Human interleukin-2 receptor β mutations associated with defects in immunity and peripheral tolerance

THEME: INFECTIONS

Charles Coomer	Single-cell resolution of metabolic control over HIV-1 entry and a role for membrane lipid order and tension
Jyothi Purushotham	Chimpanzee adenovirus-vectored vaccines for Lassa fever
Jessica van Loben Sels	Profiling the Acquisition and Diversity of Protective Antibodies to Norovirus in a Vietnamese Birth Cohort: Towards Universal Vaccines
Lawrence Wang	A Novel Human Monoclonal Antibody That Is Highly Effective At Preventing Malaria Infection

THURSDAY 27 JUNE 2019
16:00 – 17:00, ARCO BUILDING
THEMES: NEUROSCIENCES/PSYCHOLOGY, CANCER, MOLECULAR AND CELL BIOLOGY & GENETICS

THEME: NEUROSCIENCES/PSYCHOLOGY

Benjamin Badger	Neurons rely on endosomal autophagy for protein turnover
George Heaton	Clathrin-dependent endocytosis is a LRRK2-mediated, Parkinson's disease relevant pathway
Stewart Humble	Phenotypic Screening and Functional Genetics in FTD/ALS
Mindaugas Jonikas	Analysis of Parkinson's disease at a single neuron level
Jacob Levenstein	7T fMRI-fMRS: Investigating measures of BOLD and neurochemical concentrations across time in the human motor cortex
Connie Mackenzie-Scott	Viral overexpression of NPTX2 to improve inhibitory neuronal functioning and rescue plaque pathology in a mouse model of Alzheimer's disease
Christian Márton	Actions and action values differentially shape recurrent dynamics in the corticostriatal system during learning
Laura Palmieri	Interocular contrast differences exploit the relationship between neuronal disparity patterns of activation and perceptual experience.
Margaret Westwater-Wozniak	A within-person examination of stress responses, inhibitory control and food intake in women with eating disorders
Audrey Winkelsas	Targeting the untranslated regions of SMN2 as a therapeutic strategy for SMA

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THEME: MOLECULAR AND CELL BIOLOGY, GENETICS

Adriano Bellotti	Proposed intermittent ion channel trafficking presents speed-stability tradeoff around transport bottlenecks
Allison Meadows	Identifying metabolic immunomodulatory mediators of fasting and refeeding using a multi-omics approach
David Morse	Spatially-segmented single-cell transcriptomics
Ryan Prestil	Extracellular Streptavidin-Binding Peptide (SBP) enables magnetic bead purification of transgenic human iPSCs
Samantha Tilson	Induced Pluripotent Stem Cell Derived Liver Model for the Study of PNPLA3-induced Non-alcoholic Fatty Liver Disease
Alex Waldman	Extreme Outcomes in Multiple Sclerosis: Rare Genetic Variation to the Rescue
Lauren Wedekind	Genome-wide Association Study Identifies Novel Potential Associations with Birth Weight in a Population Indigenous to the Southwestern US

THEME: CANCER

Daniel Bronder	Modeling chromosome instability in ovarian cancer.
Derek Xu	Non-apoptotic caspase activity limits tumor growth and immune cell recruitment
Yifan Zhou	Investigating Age-Related Clonal Hematopoiesis in In Vivo Rhesus Macaque Model