

12th Invest in ME Research International Biomedical Research into ME Colloquium 2023

BRMEC12 PROGRAMME – Day 1

31st May 2023

Time	Session	Presenter
08:15 Arrival Refreshments		
09:00	Welcome to BRMEC12	Chair: Simon Carding, Quadram Institute
Modelling: Professor Elisa Oltra, Catholic University of Valencia, Spain		
09:20	Pathophysiological basis of fibromyalgia	David Andersson, KCL
09:40	Development of a novel mouse model for ME/CFS	Gunnar Gottschalk, Simmaron Research
10:00	<i>Chaired Discussion</i>	
Immunology and Autoimmunity : Chair Dr Amolak Bansal		
10:15	Immunogenetic studies of ME/CFS	Marte Viken University of Oslo / EMERG
10:35	Autoimmunity compromising Se transport in people with ME	Lutz Schomburg Charité University Hospital
10:55	<i>Chaired Discussion</i>	
11:05	BREAK	
Host Virus Interaction Chair: Tom Wileman		
11:35	COVID-UPP: Understanding the post-viral phase: Phenotyping comparison of ME and long covid from CDC study	Nancy Klimas, Nova Southeastern University, USA
11:55	ME/CFS and Long COVID: NIH STUDY	Avindra Nath, NIH, USA
12:20	Post-covid ME and Comparative Studies	Jonas Bergquist University of Uppsala / EMERG
12:40	Long Covid to ME/CFS Transition	Alain Moreau Université de Montréal
13:00	<i>Chaired Discussion</i>	
13:15	LUNCH	
14:10	Herpesvirus reactivation as a trigger for ME/CFS	Bhupesh Prusty University of Würzburg
14:30	Neurological infection and developing models	James Stewart University of Liverpool
15:00	<i>Chaired Discussion:</i>	
15:10	BREAK	
Microbiome: Chair Professor Simon Carding, Quadram Institute, UK		
15:40	Multi-'omics of host-microbiome interactions in short- and long-term ME/CFS	Julia Oh Jackson Laboratory, USA
16:00	Deficient butyrate-producing capacity in the gut microbiome is associated with bacterial network disturbances and fatigue symptoms in ME/CFS	Brent Williams Columbia University, USA
16:20	Antibody responses against human microbiota flagellins in ME/CFS	Thomas Vogl Medical University of Vienna
16:40	Gut complications in autonomic dysfunction associated with Postural Tachycardia Syndrome	Qasim Aziz Queen Mary University London
17:10	<i>Chaired Discussion</i>	
17:30	Overflow	
17:50	<i>Summary Day 1 – Chaired Discussion</i>	
18.00	<i>Adjourn - Discussions continue at the informal Researchers' Evening</i>	

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BRMEC12 PROGRAMME – Day 2 1st JUNE 2023

Time	Session	Presenter
<i>08.15 Arrival Refreshments</i>		
09:00	Welcome to <i>BRMEC12</i> Day 2	Chair: Simon Carding Quadram Institute / EMERG
Mitochondrial Dysfunction and Metabolomics: Chair: Rikke Olsen, Aarhus University		
09:20	ME/CFS and Long COVID: Insights from Invasive Cardiopulmonary Exercise Testing	David Systrom Harvard Medical School, USA
09:40	Metabolic Modeling in ME/CFS and COVID	Wenzhong Xiao Harvard Medical School, USA
10:00	Metabolic profiling and associations to clinical data in ME	Karl Johan Tronstad University of Bergen / EMERG
10:20	Plasma Proteomics in ME	Maureen Hanson Cornell University, USA
10:40	Sex-dependent Transcriptional Changes in Patients with ME/CFS in Response to Exercise – pilot study	Lubov Nathanson, Nova Southeastern University, USA
11:00	<i>BREAK</i>	
11:25	Mitochondrial myopathies in long COVID	Hatice Tankisi, Aarhus Univ. Denmark
11:45	<i>Chaired Discussion:</i>	
Imaging: Chair: Professor Angela Vincent		
12:05	Neurological and Ion Channel Disturbances in ME and Long COVID	Kiran Thapaliya, NCNED, Australia
12:25	<i>Chaired Discussion:</i>	
<i>12:35 LUNCH</i>		
Network and Systems Biology Approaches:		
13:35	AI and Stratification of Patients into Subgroups Based on Genetic Profile	Tamas Korcsmaros, Imperial College London
14:00	The interferon-alpha-itaconate shunt hypothesis for the pathogenesis of ME	Robert Phair, Integrative Bioinformatics, Inc., USA
14:25	<i>Tbc</i>	Ron Davis, Stanford Genome, USA
14:50	<i>Chaired Discussion:</i>	
Therapies and Treatments: Chair Dr Jesper Mehlsen, Copenhagen University Hospital		
15:05	Research on severely ill ME patients	Professor Ola Didrik Saugstad University of Oslo
<i>15:25 Refreshments</i>		
15:55	Toward uniform treatment regimen	Dr Jesper Mehlsen Copenhagen University Hospital
16:20	<i>Chaired Discussion</i>	
16:30	Using Red Light Therapy to Enhance Mitochondrial Function in People with ME	Glen Jeffery, UCL, UK
16:50	Development of a therapeutic compound for ME/CFS and Long Haul COVID	Bradlee Heckmann, University of South Florida
16:50	<i>Chaired Discussion</i>	
17:10	<i>Overflow and Summary and Chaired Group Discussion BRMEC12</i>	
18.00	<i>Adjourn Discussions continue at the IIMEC15 Pre-Conference dinner</i>	