

# Multiple Sclerosis Masterclass 2022

Advances in Multiple Sclerosis Research and Care in the Digital Age

The Joint All-Ireland and Northern Ireland MS

Research Network Symposium

12-13<sup>th</sup> September 2022

Queen's University Belfast and online

[FREE registration](#)

MS Masterclass 2022: Monday 12 <sup>th</sup> September		
Afternoon Session		Chair – Dr Yvonne Dombrowski
13:00	<b>Welcome and chairs' opening remarks</b>	<b>Prof Denise Fitzgerald</b> Queen's University Belfast, UK <b>Dr Una FitzGerald</b> National University of Ireland, Galway, Ireland
13:10	<b>Targeting mitochondria to protect acutely demyelinated axons in MS</b>	<b>Dr Don Mahad</b> University of Edinburgh, UK
13:50	<b>Selected Short Talk: Botanically-derived highly purified cannabidiol and <math>\Delta 9</math> tetrahydrocannabinol, and their 1:1 combination, modulate toll-like receptor 3 and 4 signalling in immune cells from people with multiple sclerosis</b>	<b>Dr Eric Downer</b> Trinity College Dublin, Ireland
14:00	<b>Neuro-glial interactions at the nodes of Ranvier and their roles in health and disease (virtual)</b>	<b>Dr Anne Desmazières</b> Sorbonne Université, Inserm, Paris Brain Institute, France
14:40	<i>Break</i>	
15:00	<b>Selected Short Talk: A preliminary in silico model of convection and diffusion of transcranially delivered drugs in cerebrospinal fluid</b>	<b>Jack Hampson</b> National University of Ireland, Galway, Ireland
15:10	<b>Opportunities and challenges in big data: lessons from the Big MS Data Network (virtual)</b>	<b>Prof Tim Spelman</b> MSBase Registry, Australia
15:50	<b>Selected Short Talk: Ageing impairs the regenerative capacity of regulatory T cells in the central nervous system</b>	<b>Dr Alerie Guzman de la Fuente</b> Institute of Health and Biomedical Research of Alicante and CSIC-UMH Neuroscience Institute of Alicante (ISABIAL), Spain
16:00	<b>Selected Short Talk: Modulation of neuro-inflammation in murine immune-competent brain organoids</b>	<b>Julia di Stefano</b> University of Antwerp, Belgium
16:30	<b>Closing remarks</b>	

MS Masterclass 2022: Tuesday 13 <sup>th</sup> September		
Morning Session		Chair – Dr Stella Hughes
9:00	<b>Opening remarks</b>	<b>Dr Gavin McDonnell</b> Belfast Health and Social Care Trust, UK
9:10	<b>Contemporary Clinical Trials in MS</b>	<b>Dr Emma Tallantyre</b> Cardiff University, UK

9:50	<b>A Clinical Perspective on MS Registries</b>	<b>Dr Orla Gray</b> South Eastern Health and Social Care Trust; Ulster Hospital, Belfast, UK
10:30	<b>Selected Short talk: Preliminary efficacy and feasibility of a Cognitive Occupation-Based programme for people with Multiple Sclerosis (COB-MS)</b>	<b>Dr Sinead Hynes</b> National University of Ireland, Galway, Ireland
10:40	<i>Break</i>	
11:00	<b>How big data from MS (and experimental) studies influences clinical practice</b>	<b>Prof Melinda Magyari</b> The Danish Multiple Sclerosis Registry, Denmark
11:40	<b>Selected Short Talk: Transcriptomic analysis validation with multiplex RNAscope of meningeal and perivascular inflammation in a Multiple Sclerosis post-mortem case</b>	<b>Dr Rachael Kee</b> Queen's University of Belfast, UK
11:50	<i>Lunch and Poster Session</i>	
13:00	<b>Keynote Lecture: Change is underway – Implementing &amp; trialling MS interventions</b> <b>Chair: Dr Imre Lengyel</b>	<b>Prof Klaus Schmierer</b> Blizard Institute, Queen Mary University of London; The Royal London Hospital, Barts Health NHS Trust, UK
14:00	<b>Closing remarks and Prizes</b>	<b>Dr Imre Lengyel</b> Queen's University Belfast, UK

**Free Registration:** <https://share.medall.org/events/nimsrn-aims-rn-joint-symposium>

**Late breaking abstracts open for submission until 7<sup>th</sup> September, 12pm**

**With thanks to our funders:**

