

21st Annual Multidisciplinary Research Conference

Sligo University Hospital
Institute of Technology, Sligo
& Virtual Event

Friday, 27th November 2020
0930 to 1630 GMT

The Research & Education Foundation at Sligo University Hospital



In the Pursuit of Excellence

Research & Education Foundation at Sligo University Hospital

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Pat Timpson, REF Chair

We are very pleased to have organized our Research Conference 2020 in its new format and are gratified that so many people have registered to log-in to the proceedings. The Research and Education Foundation (REF) at Sligo University Hospital is a registered charity which was established in 1991 to support research, education and training in health care in the hospital and its catchment area. The Board of the Foundation is comprised of members of SUH staff as well as representatives of our community and regional health-based industries. Their efforts are entirely voluntary and are focused on supporting:-

- Interdisciplinary health based research, education and training that will benefit society,
- Multidisciplinary excellence across the medical and human life sciences.

The Foundation works closely in a symbiotic relationship with SUH; where SUH is primarily engaged in the provision of health care services, the Foundation provides a vehicle for research governance and facilitation as well as supporting education and training. The Board of the Foundation is guided by its Strategic Plan 2019-2023. The enhancement of our collaboration with organizations such as SUH, IT Sligo, Saolta and selected health-care businesses has been a feature of our 2020 activities.

The subject matter for today's conference was self-selecting. And we were determined that in the present Covid environment, we would present the conference remotely on a virtual platform, with the support of IT Sligo, one of our collaborative partners. This format has the additional bonus of enabling the proceedings to reach a much broader audience in real time. We are delighted to have you join us today.

A handwritten signature in blue ink, appearing to read 'P. Timpson'.



John Williams - Research Advisory Committee Chair

Welcome to the Research and Education Foundation's 21st Annual Research Multidisciplinary Conference in Sligo. The theme of this year's conference is: "Covid-19: Challenges, Experiences and Learning".

In the history of humankind it is never more apparent that Health Care workers, engineers, basic and clinical researchers must work together to secure a better and safe future for this planet and its inhabitants. It is imperative to discuss positive approaches towards inculcating best research into the everyday running of our health services. We must continue to grow and adjust; always remaining adaptable, motivated and responsive to the priority of health care issues. Today, you will be addressed by world leaders in the fight against the Covid-19 pandemic. You will hear from a local perspective to a worldview how we addressed the issues we faced, what we learned and what the future holds. We are providing a platform for thought – leaders, academics, researchers and practitioners to share their ideas, learning and views.

I wish to thank the members of the Research Advisory Committee for the hard work they put into organizing this conference, the speakers for their time and sharing their expertise, our sponsors for their unwavering support and thank you for attending.

A handwritten signature in black ink, appearing to read 'John Williams'.

Keynote Speakers



Dr Mike Ryan

Dr Mike Ryan has been at the forefront of managing acute risks to global health for nearly 25 years. He served as Asst Director-General for Emergency Preparedness and Response in WHO's Health Emergencies Programme from 2017 to 2019 having joined WHO in 1996, with the newly established unit to respond to emerging and epidemic disease threats. He has worked in conflict-affected countries and led many responses to high impact epidemics. He is a founding member of the Global Outbreak Alert and Response Network (GOARN),

which has aided the response to hundreds of disease outbreaks around the world. He served as Coordinator of Epidemic Response (2000-2003), Operational Coordinator of WHO's response to the SARS outbreak (2003); as WHO's Director of Global Alert and Response (2005-2011); and was a Senior Advisor on Polio Eradication for the Global Polio Eradication Initiative from 2013 to 2017, deploying to countries in the Middle East.

He completed medical training at the National University of Ireland, Galway, a Master's in Public Health at University College Dublin, and specialist training in communicable disease control at the Health Protection Agency in London and the European Programme for Intervention Epidemiology Training.

Dr. Francois Roman

François Roman is a medical doctor trained as an internal medicine specialist (2004). He obtained a PhD in Biomedical Sciences (2006) from Catholic University of Louvain. He joined GSK Vaccines in 2007 as clinical development manager and has worked since on various clinical development programs (Flu Pandemic, Flu quadrivalent, COPD, HIV, CMV, MERS, Ebola).

In 2016, he was appointed Clinical and Epidemiological Program Lead for Global Health vaccine programs (Malaria, TB, HIV and Ebola) and for the GSK Vaccines' adjuvant platform. Since April 2020, he also became responsible for clinical oversight of COVID-19 vaccine collaborations at GSK



Keynote Speakers



Professor Luke O'Neill

Professor Luke O'Neill holds the Chair of Biochemistry at Trinity College Dublin where he leads the Inflammation Research Group. He has a PhD in Pharmacology from University of London and carried out Post-Doctoral research at Cambridge U.K. His research is in the area of the molecular basis to inflammation with a particular focus on innate immunity, Toll-like receptors, inflammasomes and metabolic reprogramming in macrophage activation.

In 2018, Clarivate/Thompson Reuters named him as one of the world's most influential scientists, being in the top 1% in Immunology. He is co-founder of Spinout company - Sitryx; while Roche, in one of the largest biotech deals of 2020 recently acquired his other Spinout - Inflazome.

He has won numerous awards for his research including the European Federation of Immunology Societies medal, the International Cytokine and Interferon Society Milstein Award, The Royal Dublin Society Boyle Medal for Scientific Excellence, The Royal Irish Academy Gold Medal for Life sciences. He was elected a Fellow of the Royal Society in 2016. He has also published three bestselling popular science books- 'Humanology: a scientist's guide to our amazing existence', 'The Great Irish Science Book' for children and most recently, 'Never Mind the B*ll*cks, Here's the Science'

Professor Molly Byrne

Molly is a Professor of Health Psychology at the School of Psychology in NUI Galway where she directs the Health Behaviour Change Research Group (HBCRG). This Group is a national hub and internationally recognised centre of excellence in the application of behavioural science to health behavioural intervention development, evaluation and implementation. Molly's research aims to improve population health by developing and promoting an evidence-based behavioural science approach to health behaviour change interventions. She is particularly interested in chronic disease prevention and management.



Molly recently has acted in an advisory capacity as a member of the Behavioural Change Subgroup to the National Public Health Emergency Team (NPHE) for COVID-19. She is a co-investigator on the the International Assessment of COVID-19-related Attitudes, Concerns, Responses and Impacts in Relation to Public Health Policies (iCARE) study (<https://mbmc-cmcm.ca/covid19/>) and the Health Research Board funded study identifying and addressing psychosocial determinants of adherence to physical distancing guidance during the COVID-19 pandemic (<https://hrbopenresearch.org/articles/3-58>).

Covid-19 Challenges, Experiences & Learning

Programme Chair – Dr. Anna Cleminson, Consultant, Palliative Care – SUH

Session 1

Welcome / Acknowledgements – Dr Anna Cleminson	05 min	0930
Open / Grants – Pat Timpson, Chair, REF - Sligo	10 min	0935
Laura Keaver – Nutrition in Oncology setting	10 min	0950
Dr Imran Ali – Treat to Target programme	10 min	1005
Dr Anthony Breslin - Director, Public Health, HSE – NW Public Health, Ireland – An update	25 min	1020
Coffee Break	15 min	1050

Session 2:

Prof Molly Byrne, School of Psychology, NUI Galway The behavioural vaccine: How Behavioural Science is informing the policy response to the COVID-19 pandemic	25 min	1110
SUH – Gen. Mgr. Grainne McCann / POD Prof Nash Patil Managing the COVID-19 response at Sligo University Hospital	15 min	1140
SUH – Dr Katherine Finan, Consultant (Resp) Physician The medical response at SUH to COVID-19	10 min	1200
SUH – Dr Wouter Jonker, Consultant Anaesthetist A tidal wave or a Tsunami? Preparing Sligo ICU for COVID19	10 min	1210
SUH - Joint Q & A	10 min	1220
Dr Mike Ryan, Executive Director, WHO Global outlook – Covid-19	30 min	1240

...Timetable Continued

Lunch	40 min	1320
Session 3:		
Professor Luke O'Neill - Chair of Biochemistry, TCD An update on COVID19	40 min	1340
Dr Francois Roman – Sen Dir., Clin Dev of Vaccines, GSK GSK vaccine efforts on COVID-19	30 min	1430
Dr Una Parsons, Head - School of Engineering & Design, ITS ITS / SUH collaborative responses to Covid-19	25 min	1510
Thanks / Acknowledgements – Dr Anna Cleminson	10 min	1540
Medals – Dr John Williams, Chair, RAC - Sligo	10 min	1550
Close – Dr Brendan McCormack, President, ITS	10 min	1600



Seed Grant Awardees - 2020

- 1 Helen O'Connor - Optimisation of laboratory workflow using a molecular ePlex (GenMark Diagnostics) system for rapid detection of sepsis enabling better antimicrobial stewardship
- 2 Ena Jordan - Never too early to start reflecting!
- 3 Hilary Cullinan - Can a Progressive Resistance Training programme improve Sarcopenia markers in a rehabilitation setting compared to standard Physiotherapy care alone?
- 4 Margaret Given - Distraction of the peri-operative nurse in the operating room
- 5 Mel Corbett - Age related changes in the middle ear
- 6 Thomas Crotty - Adenoids, Paranasal Sinus and Middle Ear Reservoir for SARS-CoV-2



Posters - 2020

1. Loneliness and social isolation in attendees of a Psychiatry of Old Age Service in North West of Ireland: preliminary findings of a cross-sectional study during the COVID- 19 pandemic.
Clodagh Rushe (Liscarney House, Department of Psychiatry of Later Life Sligo / Mayo University Hospital); Bernadette Kevin (Department of Psychiatry, Letterkenny University Hospital); Ericka Maye, Gavin Sweeney, Aislinn Gannon, Donna Wilkie, Kevin McLoughlin, Valerie Cogan, Vincent Melvin, Eimear Maguire, Sonn Patel, Marguerite Cryan, Geraldine McCarthy, Catherine Dolan (Liscarney House, Department of Psychiatry of Later Life, Sligo)
2. "Prevalence of Orthorexia Nervosa in a Sample of Patients Attending Sligo/Leitrim Mental Health Services with a Diagnosis of Eating Disorder"
Ignazio Graffeo, Mary Harron, Edmond O'Mahony (St Columba's Hospital – Sligo / Leitrim Mental Health Services)
3. Questioning the usefulness of CDAI as a measure of disease activity in a Treat to Target Programme.
Imran Ali, Emma Ison, Muhammad Tauseef Ghaffar, Luke Conroy, Noreen Harrington, Carmel Silke, Miriam O'Sullivan, Bryan Whelan
4. Does time to remission differ depending on route of administration of Methotrexate in an Early Arthritis Treat to Target (T2T) cohort?
Imran Ali, Emma Ison, Muhammad Tauseef Ghaffar, Luke Conroy, Noreen Harrington, Carmel Silke, Miriam O'Sullivan, Bryan Whelan
5. Effectiveness of a nurse led Treat to Target (T2T) model in achieving remission for Early Rheumatoid Arthritis patients in a real-world setting.
Imran Ali, Muhammad Tauseef Ghaffar, Noreen Harrington, Carmel Silke, Miriam O'Sullivan, Bryan Whelan
6. A survey of skin cancer knowledge and sun protection practices within cohabiting heterosexual couples.
E. Keeling, S. Daly, D.B. McKenna
7. Safety & Sustainability: A Win-Win for Neuraxial Anaesthesia
Therese O' Connor, Maeve Leonard, Lauren Hughes, SUH
8. Unique clinical and pathologic features of poorly differentiated primary pleuro-pulmonary synovial sarcoma
Paul Hartel, Histopathology, SUH; John Parker, Pulmonary Medicine, WVU
9. COVID-19 innovation experience – An evaluation of the use of tele-psychiatry by CAMHS clinicians in the Sligo/Leitrim Mental Health Services
Petra McLoughlin, Claire Veitch, Child and Adolescent Mental Health Services, Sligo Leitrim Mental Health Services
10. Did Covid19 REsTRAIN the use of Seclusion in SLMHS? Review of Seclusion Usage in a Six-month period pre and post the occurrence of COVID-19.
Petra McLoughlin, Ramona Novac, Kathy Byrne, Edmond O'Mahony, Dept of Psychiatry; Sligo Leitrim Mental Health Services
11. Patient and staff satisfaction with remote psychiatry assessments using mobile tablets in long-stay facilities in rural North-West Ireland.
Sonn Patel, Ericka Maye, Aislinn Gannon, Marguerite Cryan, Catherine Dolana, Geraldine McCarthy
12. Do it yourself (DIY) related extremity injuries during the period of enforced lockdown after the outbreak of Covid-19 Pandemic
Usman Alvi, Satish Kutty, Department of Orthopaedics and Traumatology, SUH
13. Orthopaedic Fracture Clinic Documentation in Need of Fixation?
Muhammad Bilal Tahir, Satish Kutty, SUH
14. Dedicated Baby Hip Team improves service delivery of Ultrasound screening for developmental dysplasia of hips for infants in Sligo
Karl James, Consultant Radiologist; Roisin Cannon, Clinical Specialist Sonographer; Donna Kavanagh, Clinical Specialist Sonographer; William Gaine, Consultant Orthopaedic Surgeon; Rachel Wirtz, Clinical specialist Paediatric Physiotherapist; Derek Wynne, Senior Paediatric Physiotherapist; SUH
15. An Unusual transcapsular fracture of the femur secondary to osteonecrosis
Muhammad Bilal Tahir, Satish Kutty, SUH
16. A Latent Class Analysis of Nutrition Impact Symptoms in Cancer Survivors
Laura Keaver, Department of Health and Nutritional Science, ITS; Catherine McHugh, SUH; Christopher McLaughlin, Ulster University

Posters - 2020

17. Providing nutrition advice in the oncology setting: A survey of current practice, awareness of guidelines and training needs of Irish healthcare professionals in three hospitals
Laura Keaver, Department of Health and Nutritional Science, ITS; Catherine McHugh, SUH; Pauline Connolly, Cavan-Monaghan Hospital; Janice Richmond, Letterkenny Hospital
18. The Effectiveness of Dialectical Behavioural Therapy in Patients Diagnosed with Borderline Personality Disorder in a Community Mental Health Service
O'Halloran, Joanne & Mc Greal, Catherine
19. Examining the acceptability and perceived usefulness of an Attachment Awareness Group – Intellectual Disability for residential Care Staff delivered remotely during Covid-19 by MHID Service
McBride Ciara, Watters, Johnny
20. Attendance at Phase III Cardiac Rehabilitation: the effect on Psychosocial Health and Caregiver Burden in Patients and Spouses
McGlone Conal, McBride Ciara
21. Role of Telemedicine in Stroke Rehabilitation: Past, Present and Future.
Claire Smyth
22. The effect on the physiotherapy services following the introduction of Baby Hip Team in Sligo University Hospital 2019
Derek Wynne, Senior Paediatric Physiotherapist; Rachel Wirtz, Clinical Specialist Paediatric Physiotherapist; Physiotherapy Department; Sheila Kiely, Physiotherapy Manager III, SUH
23. What are the effects of Pilates in the post stroke population? A Systematic Literature Review & Meta-analysis of randomised controlled trials
Eimear Cronin, St. John's Hospital, ITS; Patrick Broderick, ITSligo; Helen Clarke, SUH, Kenneth Monaghan, ITS
24. An interpretative phenomenological study of the lived experience of female parents/guardians of young males (aged 15-24), who have intellectual disability and autism spectrum disorder, regarding transition from child services to adult ones
Johnny Watters, Senior Clinical Psychologist, Psychology Department & Mental Health of Intellectual Disability, Sligo Leitrim Mental Health Service, HSE; Jonathan Egan, Deputy Director of the Doctorate of Psychological Science in Clinical Psychology, School of Psychology, NUIG
25. An Exploration of the Perceptions of Health and Wellness using a Participatory Action Research (PAR) approach amongst Children within a Primary School Setting.
Margaret Mc Loone, Eva Capasso, Department of Health & Nutritional Sciences, Faculty of Science, ITS
26. The Discord between Self-Perceptions and Reality: Attitudes and Perceptions of Breastfeeding amongst Women Living in a Rural Community in the North West of Ireland.
Kaera Mc Ginley, Margaret Mc Loone, Department of Health & Nutritional Sciences, Faculty of Science, ITS
27. Service Users Feedback on Advanced Midwifery Practice Care in Sligo University Hospital
Roisin Lennon, Deirdre Ward, SUH
28. An Ounce of Prevention is better than a Pound of Cure!
Roisin Lennon, Heather Langan, Marie Farry, SUH
29. Staff Perception toward Social Integration for People with Intellectual Disabilities
Shane Curry, Gail Cummins, Louise McBride, Nursing / Health and Social Care Department, LYIT
30. Are Clients Satisfied with Integrated Care? Client Feedback on Discharge from a domiciliary based multidisciplinary Integrated Care Service in county Sligo.
Elaine Cannon, Sharon Porter
31. Standardisation of Comprehensive Geriatric Assessment across integrated care for Older Persons Service.
Aislinn Gannon, CNS Digital Transformation. Sophie Alookaran, Advanced Nurse Practitioner - Older Persons
32. Clinical Audit and Review of Compliance with Sarcopenia Guidelines during Routine Physiotherapy Care on a Gerontology Rehabilitation Ward
Wayne McNulty, Hilary Cullinan, Physiotherapy Department, St John's Hospital, Sligo
33. Novel characterisation of baseline myocardial lymphocytic infiltrate in non-viral lymphocytic myocarditis cases
Karen Leydon, Liam O'Grady, Paul Hartel, SUH

The Research and Education Foundation acknowledges the valuable contribution of our Sponsors to the continued success of this event

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