



nhsa
Northern Health Science Alliance

A Health Partnership for Northern England



ALDERLEY PARK

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Canadian Inward Mission on Healthy Ageing

Wednesday 21st November 2018,

The Crowne Plaza Manchester Oxford Road, 55 Booth Street West, Manchester M15 6PQ

This exciting symposium, proudly supported by the Northern Health Science Alliance ([theNHSA](#)) and [Alderley Park](#) provides an exciting opportunity for colleagues on an inward mission from Canada to meet experts and thought leaders from the North's healthy ageing innovation ecosystem (local authority, research institutions, SMEs and innovation hubs) for the purpose of:

- * Two-way knowledge exchange in research and development of health tech acceleration and technology adoption
- * Building relationships and research partnership opportunities set to address mutual, international challenges
- * Creating potential channels for future commercial collaboration

Agenda

09.45-10.00	<u>Arrival and Refreshments</u> Please Note That the Symposium Will Commence at 10.00 Prompt
10.00 – 10.10	<u>Chair’s Welcome Address – Paul McGarry, Head of Greater Manchester Ageing Hub,</u> Including <ul style="list-style-type: none"> • Brief introductions by attendees
10.10 – 11.00	<u>Session 1:</u> <ul style="list-style-type: none"> • Setting the scene for the Northern health and life sciences ecosystem (NHS and Alderley Park) • Objectives for the day, have we got them right? • Overview of responses from the pre-event survey • Discussion
11.00 – 11.15	<u>Coffee and Bio Break</u>
11.15 – 12.00	<u>Session 2:</u> <ul style="list-style-type: none"> • Identifying emerging themes from Session 1 • Forming questions for Session 3 Round Tables, nominating Round Table facilitators <p>Note to Attendees: Once all questions are identified, these will be placed on a wall for attendees to mark which ones they would like to be included in session 3. Each attendee marks ONLY 2 questions – most popular 8 questions will feature during afternoon session.</p>
12.00 – 12.45	<u>Lunch: Sit Down Buffet Lunch in The Laureate Restaurant</u>
12.45 – 14.15	<u>Session 3: Thematic Round Tables</u> Attendees will get opportunity to join cabaret-style roundtables each focussing on different thematic questions arising from Session 2, the outcomes of which will feed into session 4. <p>Part A: 12.45 – 13.30</p> <ul style="list-style-type: none"> • 25 minutes to discuss up to 4 thematic questions, with 5 minutes to highlight feedback per group at end of session <p>Part B: 13.30 – 14.15</p> <ul style="list-style-type: none"> • 30 minutes to discuss second set of 4 thematic questions, with 5 minutes to highlight feedback per group at end of session <p>Notes: Findings per question are assigned to short, medium and long-term timeline Timeline will be made from large flip chart paper (time) and post it notes (actions)</p>
14.15 – 14.45	<u>Session 4: Feedback from Workshops</u> <ul style="list-style-type: none"> • In a change to the usual methods of feedback, attendees will collaborate to create a timeline on the wall to map priority areas discussed / points of influence and synergy, with agreed ‘take-home actions’ <p>Note to Attendees: Attendees will be given the opportunity to review all 8 questions and findings, individually signing up to pledges of action in short, medium and longer term</p>
14.45 – 15.15	<u>Chair’s Plenary</u> <ul style="list-style-type: none"> • Plenary of timeline created in Session 4 - priority areas / points of influence and synergy - with agreed ‘take-home actions’

Current Areas of Interest

Policy Led	50+ Healthy Ageing
	Health inequalities
	Health research funding
	Education and stakeholder collaborations
	Promoting evidenced-based decision-making and commercialization
Patient/ Society Led	Behaviour Change and Habit Formation
	Prevention and self-management (falls)
	Patient and population health and social care
	Addressing loneliness and social isolation
	Dementia friendly communities
Research/ Innovation Led	Ageing and brain health innovation
	Knowledge transfer
	Adoption and spread at system level of innovations
	Health technology to support older people manage their own health conditions
	Health technology to support older people remain at home for longer
	Optimizing the health and longevity of the aging population through leading-edge research

Areas Interested in Learning About

Policy Led	Good practice in overcoming societal and institutional ageism
	Evidence informed policy through knowledge translation
	Canadian health and social care system innovations
	Innovations applicable to greater Manchester
Patient/ Society Led	Personalised medicine
	Improved accessibility and quality of primary and community care
	Community-based care and services to children, youth and adults with mental health and/or substance use issues
	Reducing wait times for scheduled surgeries and improving patients' and families' entire process of surgical care
Research/ Innovation Led	Innovations and international partnerships to help accelerate the pace of innovation and the adoption of new solutions
	Seniors with complex medical conditions
	Potential collaborations
	Research interests and platforms in the UK that are open to partnership so that we can extend our research more broadly
	Approaches and technologies that will help retain and improve function
	Approaches and technologies that will help leverage data to support decision-making
	Approaches and technologies that will help have an impact on today's aging population

Top Three Priorities

Policy Led	Connected information/data across health & social care
	Developing sustainable models of care for older people
Patient/ Society Led	Prevention (life-course approach)
	Ageism
	Health Inequalities
	Providing solutions to support aging in place
	Caregivers support
	Personalized medicine
	Aging well at home (easily accessible and affordable primary and community care resources)
	Early detection of individuals declining health
	Proactive health management at individual and population levels
	Ageing and the life-course
Research/ Innovation Led	Cognitive health
	Addressing long-term conditions and multi-morbidity in later life
	Readily available and inexpensive evidenced-based trusted technologies to support aging in place
	Retaining, and restoring functional abilities as we age through technology, physical activity, exercise, social engagement, etc.
General	Facilitating the use of existing health research evidence to inform practice and policy making
	Co-developing with seniors on new research based on priorities identified by them
	Understanding why some people age in a healthy fashion and others do not

Possible Collaborations Over the Next 10 Years

Policy Led	Sharing models for innovation acceleration
	Building international programs that offer funding and support to innovators in both regions
	Identifying areas where capacity development is needed that could inform the design of health research funding opportunities and international partnerships
	Share learning/best practice
	Bringing together national and international networks of researchers/clinicians/practitioners from across disciplines to identify ways we might tackle the 'big issues'
	Remove redundancy
Patient/ Society Led	Collaborative research into Ageism Prevention
	Collaborative research into Life course approaches
	Developing advocacy initiatives
	Empower older people and their families
Research/ Innovation Led	Collaborative research into Clinical resilience
	Establishing bi-lateral partnerships that allow us to work together to accelerate the pace and adoption of aging and brain health innovations in Canada and the UK
	Building capacity to co-develop and use health research evidence through knowledge translation (also known as research utilization, implementation science, knowledge mobilization, etc)
	To better understand how to measure health research impact to inform research funding and health care/practice and policy making
	Developing 'living labs' that move away from short-term research projects and/or interventions to recognising the importance of understanding the longer-term impacts of change in practice/behaviour etc.
	Supporting the development of the next generation of researchers through fellowships/internships/and international and cross-disciplinary exchanges
	Accelerate the sharing/commercialization/implementation of evidenced-based technologies or interventions that work to other locations/environments
	Leverage each other's platforms and resources to accelerate research impact
	Utilize knowledge sharing platforms (e.g. the McMaster Optimal Aging Portal) to rapidly disseminate evidence-based information in easy to understand language.

Biographies

Canada

David Stoller

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David is the Senior Marketing Specialist at the Centre for Aging + Brain Health Innovation, located at Baycrest Health Sciences in Toronto. In addition, David is also the Ambassador for the Aging2.0 Toronto Chapter, a volunteer position supporting innovators taking on the biggest challenges and opportunities in aging. Aging2.0 is international, interdisciplinary and intergenerational. Moreover, David is an active public speaker, working with organizations such as the International Federation on Ageing to spread his knowledge about the longevity sector. David holds an MBA from the Richard Ivey School of Business.

Gayle Scarrow

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Gayle Scarrow is the Director, Knowledge Translation at the Michael Smith Foundation for Health Research (MSFHR). She leads the development, implementation, evaluation and ongoing management of MSFHR's knowledge translation plan for the purpose of fostering and accelerating the impact of health research in BC and beyond. She has held numerous roles in health care and health research for the past 30 years including as a radiation technologist, research coordinator, research writer, KT manager and, through her work with MSFHR, as a knowledge user on various research grants to both contribute to the academic KT literature and to inform MSFHR's KT work.

Andrew Sixsmith

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Andrew Sixsmith is Professor and Director of the Gerontology Research Centre at Simon Fraser University (SFU). He has over 20 years of research experience in the area of health and quality of life of older people and in the development of research in technology and aging. He has been a member of the British Society of Gerontology Executive Committee and a representative on the EU's COST-A5 Committee on Ageing and Technology. He is the Chair of the North American Chapter of the International Society for Gerontechnology.

Laura Harrington

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Dr Laura Harrington is the Managing Director of the McMaster Institute for Research on Aging and the Labarge Centre for Mobility in Aging at McMaster University. Laura completed her Ph.D. in chemistry in 2004 and worked in the field as a research scientist and laboratory manager for several years before joining the Faculty of Health Sciences as a Project and Managing Director, with a focus on initiatives tied to University or Faculty strategy. In 2016, Laura completed her MBA, and currently works with McMaster researchers to build partnerships, facilitate and advance interdisciplinary collaboration, and raise the profile of the University's research platforms in aging.

Plinio Morita

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Dr Plinio Morita is an Assistant Professor at the School of Public Health and Health Systems, University of Waterloo. He is also the Director of the Ubiquitous Health Technology Lab (UbiLab), focusing on population level surveillance, remote patient monitoring (RPM), and personalized medicine technologies research to be used to prevent unnecessary visits to hospitals and drive healthcare system toward community care and telehealth. He also holds research scientist positions with University of Waterloo's Institute for Aging and the Centre for Global eHealth Innovation, Techna Institute, at University Health Network.

Yusra Uzair

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Yusra is Head of Science, Innovation and Policy at the British Consulate in Toronto. As part of the foreign and Commonwealth office's Science and Innovation network (SIN), Yusra scopes and facilitates collaborations between UK and Canadian institutions across various sectors, including UK Grand Challenges. She leads on the Ontario- UK MOU on Transformative Technologies activities as well as supporting the broader work of the Consulate in Toronto.

Previously, Yusra has worked for the Canadian government in economic development policy and government relations, managed health and education programs for a non-profit in Peru and led various community development initiatives dealing with a variety of issues such as newcomer integration, and citizen engagement. She graduated from Carleton University with an Honours Bachelor in Public Affairs and Policy Management, specializing in International Development. Yusra is a member of the World Economic Forum's young leaders Global Shaper Community at the Toronto Hub.

North of England

Chair: Paul McGarry

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Paul is the Head of the Greater Manchester Ageing Hub, part of the Greater Manchester Combined Authority tasked with making Greater Manchester the UK's first Age Friendly city region. Since 2003 he has led the Age Friendly Manchester Programme at Manchester City Council, formerly called Valuing Older People. Under Paul's leadership, Manchester became the first UK city to achieve WHO Age Friendly status and was a founding member of both the WHO's Global Network of Age-Friendly Cities and Communities and the UK Network of Age-Friendly Cities. Paul holds a Research Fellowship in sociology at the University of Manchester.

Keith Miller

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Keith is Life Science Specialist at Alderley Park and is an independent consultant passionate about supporting inward investment into the UK and the North in Particular.

Alderley Park offers exceptional bioscience facilities for R&D focussed life science companies at every stage of their life-cycle, from start-up to global corporate.

Keith has also worked as the first life science specialist for UK Department for International Trade with a focus on the Northern Powerhouse. Before that Keith led the life science sector at MIDAS - Manchester's Inward Investment Agency.

Keith has over 27 years of experience in the pharmaceutical industry most recently for AZ, where he particularly enjoyed working on the commercial/R&D interface. Keith's teams provided the commercial input into the pre-phase II respiratory portfolio and commercial due diligence on licensing and acquisitions in the area.

Prior to that, Keith was based in the US leading the emerging Neuroscience portfolio teams for AZ. Keith has a BSc in Pharmacology and an AKC from King's College London and an MBA from Henley Management College. Keith is co-author of a number of health economic publications.

In addition to his work for Alderley Park, Keith is also currently retained as Director of Strategic Alliances Europe for Molecular Pathology Laboratory Network Inc.

Elaine Wilson

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Elaine heads up business development for Alderley Park's Mereside campus. Mereside campus is part of Manchester Science Partnerships, one of the leading science and technology park operators in Europe. Offering 1m sq. ft state-of-the-art chemistry, biology and pathology labs, dedicated incubator facilities and a range of shared scientific services, Alderley Park is the ideal place to support pioneering innovation.

In this role, Elaine's engagement, communication and customer relationship skills are critical for enabling the vision the campus to continue its growth and become one of the most significant life science parks in the UK and Europe.

Elaine graduated with a degree in Civil Engineering and achieved her Chartered Engineering status early in my career. On achieving her Chartered Engineering status Elaine continued to develop her professional and leadership skills, allowing her to explore different career paths. Elaine proactively and successfully diversified her career and moved into non-Engineering roles including project management, change management, construction management, ethical and business compliance, and business process outsourcing. These roles have been predominantly in the pharmaceutical industries.

Graham Armitage MBE

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Graham is the Operations Director of the National Innovation Centre for Ageing, responsible for the strategy, design, development and delivery of its innovation support programme. This programme seeks to help innovators to more easily access the knowledge and connections needed to create and scale innovative products and services in response to global ageing.

Graham's 30-year management and leadership career in a variety of private and public sector roles, including 12 years in senior roles fostering the development of an increasingly innovation focused aspect to Newcastle University's unique portfolio of Ageing research, has given him strong operational leadership skills and a significant understanding of the wide range of issues and opportunities arising from global ageing. He has delivered a number of key ageing and innovation related projects and was part of the team that prepared the case for funding for the National Innovation Centre. He leads Newcastle University's participation in EIT Health, Europe's leading innovation initiative in life-long health and active ageing, where he is a board member of the UK Ireland co-location centre, with responsibility for education strategy. He led the application for European Innovation Partnership in Active and Healthy Ageing Reference Site status for North East England and is an active participant in the establishment of a UK Reference Site network.

Lee Omar

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Lee is the Founder and CEO of Red Ninja Studios, a design led technology company, that co-creates technology using their expertise in artificial intelligence, data science, Internet of Things, smart cities, electrical engineering and app development. Lee has led the design and development of several digital health products that have been co-created by the NHS, Red Ninja and patients. Lee has also created technology that optimises ambulance response times, by controlling traffic lights in cities in real time to prioritise ambulance routes.

Lee has recently 'spun-out' a digital health product company – 'Safe Steps', that reduces falls for the ageing population, part of the NHS Digital Health Accelerator programme.

Lee advises governments, including the President of India on Smart Cities Led teams that created IoT products in healthcare, transport, energy and urban planning sectors.

Lee is on the NHS England sponsored 'Insight Programme' that Identifies high quality candidates to become Non-Executives on NHS Trust boards and is in training to become a Non-Executive Director at Liverpool Heart and Chest NHS Trust and Lancashire Care NHS Trust. Before founding Red Ninja, he worked in the Human Rights sector for 11 years, empowering refugees to build new lives. In his spare time, he is studying for a PhD in the design of digital health applications that leverage artificial intelligence.

Chris Hepworth

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Chris is a Business Engagement Officer at The University of Manchester, with over 10 years' relationship management experience in Higher Education. His role supports a range of activities to facilitate mutually beneficial partnerships for the University with industry, the public sector and charitable organisations, matching the skills of University research with the requirements of industry or societal needs. Chris is the Business engagement lead for Healthy Ageing and works closely with the Manchester Institute for Collaborative Research on Ageing (MICRA), in strengthen existing partnership and building new ones in the area of ageing research.

Dai Roberts

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Dai is Senior Programme Development Lead at Health Innovation Manchester (HInM), one of fifteen NHS England funded Academic Health Science Networks across England. Dai designs and delivers quality improvement and implementation programmes at Greater Manchester system level. This is in close partnership with GM health economy colleagues, including provider and commissioning organisations, GM strategic partners, pharma and national colleagues. Work programmes are driven by the national AHSN network and the GM system. Dai particularly focuses on a range of medicines optimisation and quality improvement programmes, as part of the national AHSN network and Greater Manchester health and social care system. The largest of these is our Greater Manchester Hepatitis C elimination programme. Dai is also delivering a Frailty-Falls-Fragility project with colleagues across Tameside, reducing frailty related falls fractures through proactive case finding and referral for intervention and support. This now aligns with the GM frailty charter and aspirations for digital transformation

Luc DeWitte

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Luc is a Professor of Health Services Research in the School of Health and Related Research (SchARR) at the University of Sheffield. His research is on healthcare innovations using technology, with a focus on long term care. He moved from the Netherlands to Sheffield in October 2016. In the Netherlands he was a professor of care technology at two universities, and director of a large innovation network with about 35 partners in health and social care, industry and academia. He also chaired the management board of the national Centre for Care Technology Research, a collaboration of four large institutions in the Netherlands. In Sheffield he works in the Centre for Assistive Technology and Connected Healthcare, trying to contribute to building an innovation ecosystem here as well. Alongside his work in Sheffield and the Netherlands he work on a research and development programme in India called 'Health in Slums' that focuses on improving the living situation and access to affordable healthcare for people in low resource settings.

Luc's main interest is in how technology can help to develop sustainable healthcare models. He has a special interest in assistive technology for people with disabilities, a field he has worked in his whole career. He also does research into the potential of robotics in health and social care and in the application of digital health technologies to support people with a chronic disease or disability to self-manage their health. He has supervised more than 30 PhD students in these fields and is currently supervisor of 12 international PhD students. He has co-authored more than 250 publications.

Luc is president of the Association for the Advancement of Assistive Technology in Europe and editor of the journal Technology and Disability. He is also member of the board of governors of a large elderly care organisation with 25 locations in Eindhoven, the Netherlands, and of the Sheffield Teaching Hospitals.

Christine Milligan

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Christine is Professor in the Division of Health Research in the Faculty of Health and Medicine. She is the founder and Co-Director of Lancaster University's multi-disciplinary Centre for Ageing Research. A widely published social scientist, Christine's research interests focus around innovative approaches to addressing loneliness and social isolation amongst older people; technologies to support self-care amongst older people, and the development of dementia friendly environments. Christine has over a hundred books, journal articles and book chapters to her name. In her current research she is the Lancaster University lead for the Lancashire Care Innovation Alliance (LCIA) Testbed. The LCIA is one of seven Test Beds funded by NHS England, the LCIA is focused on the use of combinatorial health technologies to support older people with long-term conditions to remain longer in their own homes and better self-manage their own care. Her other current research involves work with the Third Sector around the development of dementia friendly spaces; and addressing loneliness and social isolation amongst older people living in rural and remote areas. Christine sits on numerous Grant award panels including the International Science Advisory Panel for the New Zealand National Science Challenge for Ageing Well; the Health Service Executive of Southern Ireland International Panel of Experts Health and Positive Ageing Initiative; and the Alzheimer's Society Grant Award Making Panel. She is an editor of the International Journal of Health and Place and sits on the editorial board of several other international journals.

Jane McDermott

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Jane has over 15 years' experience of programme and project management in the fields of falls prevention, active ageing, education and social inclusion. Currently, Jane is employed within the Healthy Ageing Research Group at the University of Manchester, she provides leadership on a range of multi-million-pound grants (European Commission, NIHR, Centre for Ageing Better, PHE). Jane is passionate about ensuring successful delivery through robust programme design that includes effective pathways to impact and implementation. She is Director of the European Union Falls Festival and contributes to the wider work of the Healthy Ageing Research Group including: behaviour change and habit formation; promotion of physical activity; novel technologies and their role in health management; falls prevention; health inequalities; ageing across the life-course and health economics. In January 2019, Jane will take up a 6-month post as Programme Development Manager Healthy Ageing at the Centre for Ageing Better in London where she will develop and deliver national and local programmes addressing the Healthy Ageing strategic priority. She also works as a freelance consultant specialising in leadership/executive coaching, open space technology, training and events working with a range of third party, not-for-profit and charitable organisations. Outside of work Jane and her family are foster parents to early career Paralympic swimmers based at the British Para-Olympic National Performance Centre in Manchester.

Event Support Biographies

Nicki Wilson

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Nicki is Chief of Staff at the Northern Health Science Alliance (the NHSA), the Mission of which is to establish the North of England as an internationally recognised health research system. The NHSA was founded in 2011 by the CEOs of eight Northern England NHS Teaching Hospitals, eight Deans of Northern University medical schools and the four CEOs/MDs of the Academic Health Science Networks (AHSNs) located in the North.

As well as linking our commercial partners to NHS and academic partners within the North, and beyond, the NHSA supports a number of pan-regional strategic projects across the Alliance, primarily in precision medicine, data for health and healthy ageing.

Nicki's role as Chief of Staff provides a formal mechanism of operational and strategic leadership to the CEO and the NHSA staff. With a proven track record as a strategist and possessing impeccable organisational and interpersonal skills, her role ensures that the activity of the NHSA is streamlined and aligned to the priorities of the CEO and the NHSA Board. Acting as a 'right hand' to the NHSA CEO, Nicola additionally assists Executive and Non-Executive Board Members in a variety of ways, supports the NHSA core team's functions and handles the day-to-day management of operational matters.

Nicki also leads on the NHSA's pan-regional programme in active and healthy ageing, 'AHA North'.

Outside of her NHSA role, Nicki is a [Prince's Trust](#) Local Ambassador (North) in the field of Health and Wellbeing. Local Ambassadors are chosen by The Prince's Trust for being extremely successful in their professions, portraying leadership qualities such as hard work, discipline, tenacity and incredible talent, thereby serving as positive role models through their dedication and achievements to the young adults that The Prince's Trust supports.

Appreciation and acknowledgement is extended to University of Manchester, for the generous support and time given to the event coordinators by Jane McDermott, Tom Hickman and Egle Gliaudelyte from the Healthy Ageing Research Group, and Victoria Phillipson (Business Development Officer) for the preparation of the data from the pre-symposium survey.

