

## **2024 Innovation Through Future Care Approaches to Healthy Aging – Funded Projects**

### **1. Designing digital services for new models of senior care**

Led by Drs. Matt Ratto (University of Toronto) and John Vines (ACRC), this team is addressing the barriers to implementing digital interventions that support new care models for older adults. The project facilitates novel exchanges of findings between researchers from two different geographic contexts that will inform the development of knowledge sharing and toolkits to support future digital services for new models of senior care globally.

### **2. Enhancing dementia care with music-based interventions**

Drs. Andrew Sixsmith (Simon Fraser University), Amy Clements-Cortes (University of Toronto) and Katie Overy (ACRC) are leading an interdisciplinary research team in an early-stage project that maps out future research and development to explore music-based interventions for dementia care and how they can have a positive impact on the well-being, health, cognition and social participation of older people living with dementia, both in acute care settings, and in long-term care and other environments.

### **3. An international approach to strengthen AI in dementia care**

Drs. Babak Taati (KITE- Toronto Rehab at UHN and University of Toronto), Andrea Iaboni (KITE- Toronto Rehab at UHN and University of Toronto), and Ram Ramamoorthy (ACRC) are organizing a joint workshop to explore the application of AI in dementia care. The two-day workshop on May 5-6, 2025, in Toronto will foster international collaboration in developing AI-based technologies that can improve the quality of life and care for people living with dementia in both community and residential care settings.

### **4. Evaluating digital health technologies for older adults in care homes**

Drs. Jeffrey Jutai (University of Ottawa), Kathrin Cresswell (ACRC), and Susan Shenkin (ACRC) are establishing an international collaborative, transdisciplinary network to identify existing evaluation frameworks that guide the best use of digital health solutions for older adults living in care homes. They aim to maximize the positive impacts of digital solutions in care homes and provide technology developers guidance on how to design solutions for older adults in care settings effectively.