

Faculty of Health Sciences and Sport

Each research challenge will be supported by experienced leadership and a critical mass of interdisciplinary researchers.

Key contact: Professor Ashley Shepherd, Deputy Dean, Faculty of Health Sciences and Sport
ashley.shepherd@stir.ac.uk

<i>Healthier Lives, Longer Lives</i>			
Research Missions	Healthy Living	Healthcare and communities	Active Living
Research Challenges:	Tackling the impact of unhealthy commodities (such as tobacco, alcohol, ultra-processed food and beverages, gambling, and fossil fuels) and environments on people's lives.	Enabling health and healthcare delivery in NHS and community settings to meet people's needs.	Improving people's health, social, and environmental wellbeing through sport and physical activity across the lifespan.
Research Leadership	Prof. Niamh Fitzgerald: Director WHO Collaborating Centre and Institute of Social Marketing and Health	Prof. Margaret Maxwell: Director: Nursing Midwifery and Allied Health Professions Research Unit (funded by CSO till March 2024. The Unit will rebrand with a new name currently under consultation)	Dr Paul Dimeo: Head of Sport
Interdisciplinary Research Expertise	We draw together researchers and practitioners in public health, policy, communications, biomedical and social sciences	We draw together researchers, clinicians and practitioners in health and social care, digital innovation, data science and AI	The research groups within academic sport conducts innovative research from cells to systems that improves human health, wellbeing, and performance.
Examples of Research Methodological Expertise	Critical marketing research – analysis; public health trials; measurement of second hand smoke and other airborne exposures; health effects and prevention of obesity, physical inactivity and sedentary behaviour; evaluation of the health of particularly marginalised populations	Evidence synthesis, advanced qualitative research methods, intervention development, complex intervention evaluation, theory-led evaluation, co-production, PPI, consensus methodology, big data analyses, process evaluation. health behaviour change, feasibility/RCT design.	Genetics and molecular biology; muscle function and strength assessment; biophysiological to psychological wellbeing assessment; physical activity, dietary and digital assessment and interventions; coproduction; health behaviour change, feasibility/RCT design

Involvement	We will actively involve service users, clinicians, patients, and the public in all Logie projects. Challenge areas already have strong patient and public involvement. We will build on this through the development of a dedicated Patient and Public Involvement Group to advise researchers within Logie on grant development. Funds will be allocated to support this activity.		
Outcomes and Impact	We will work on reducing the respiratory burden from inhaling second-hand smoke	We will focus on addressing inequalities in and decreasing life expectancy through the development and evaluation of interventions to support healthy living and illness/disease prevention	We will work to promote physical activity and nutrition to improve health and well-being across the lifespan, enable well-being in and through physical activity, fitness, and community sport activities
	We will provide evidence on implementation of new restrictions on alcohol marketing, pricing, and availability	We will help address global, national, and local demand and delivery issues in health and social care services	We will enhance social and environmental well-being through the engagement and performance of people in relevant organisations and systems.
	We will reduce the burden of tobacco smoking on vulnerable populations	We will improve outcomes for people accessing services	We will work to enable well-being in and through physical activity, fitness, and community sport activities
	We will provide evidence on implementation of healthy eating policies, guidance, and practices	We will provide evidence on the effectiveness and efficacy of health interventions, including understanding when they work, for whom and in what circumstances	