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British Embassy
Bucharest



UK-Romania Conference 28 February 2024
“Exploring our AI Potential”

Healthy Ageing: AI - from Cell to Society

Richard Siow FRSB, FESPM

Director, Ageing Research at King's (ARK)

Faculty of Life Sciences & Medicine

King's College London

Visiting Professor, Department of Physiology, Anatomy and Genetics

Medical Sciences Division

University of Oxford

Chair, AI and Health Steering Group

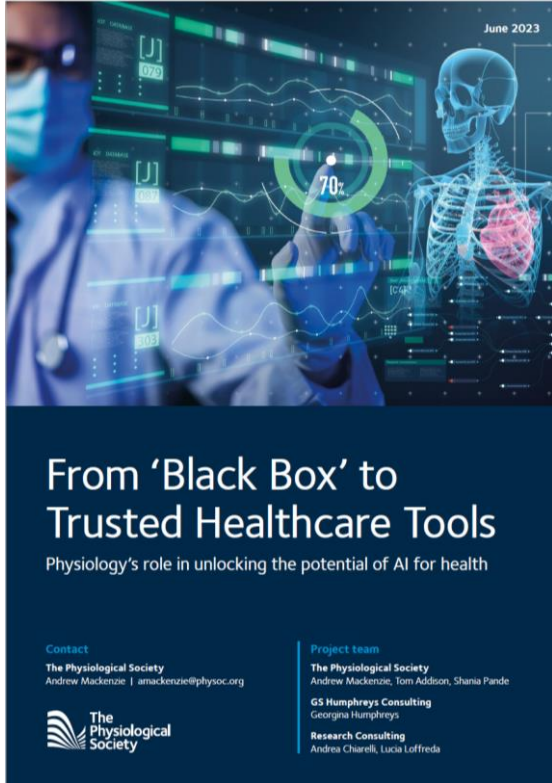
The Physiological Society



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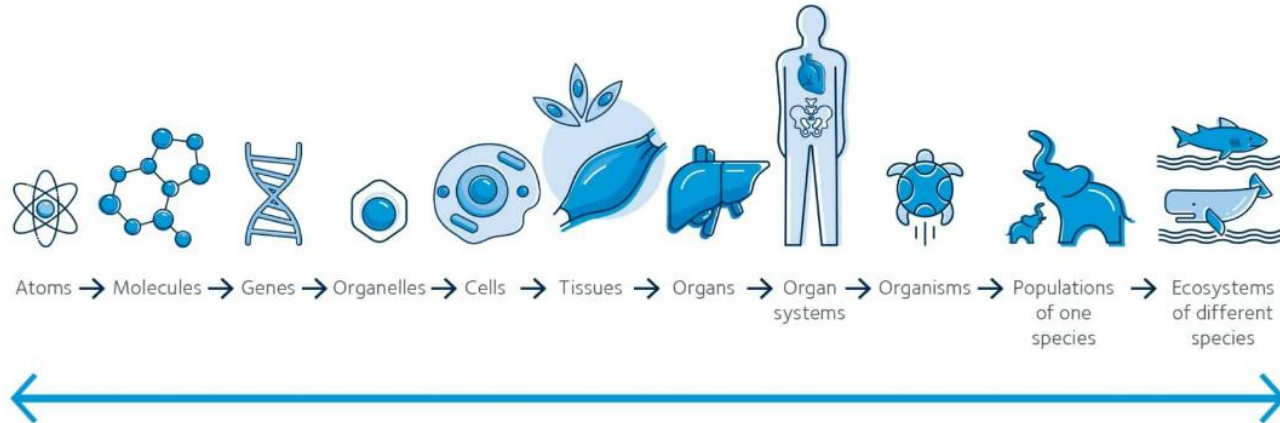
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UK Parliament Report Launch June 2023



Physiology is the Science of Life

- Research in physiology advances our understanding of the mechanisms that control and regulate the behaviour
- Physiology is the science of life, the branch of biology that aims to understand the mechanisms of living things
- Research in physiology helps us to understand how the body works in health and how it responds and adapts to the challenges of everyday life; it also helps us to determine what goes wrong in disease, facilitating the development of new treatments and guidelines for maintaining health

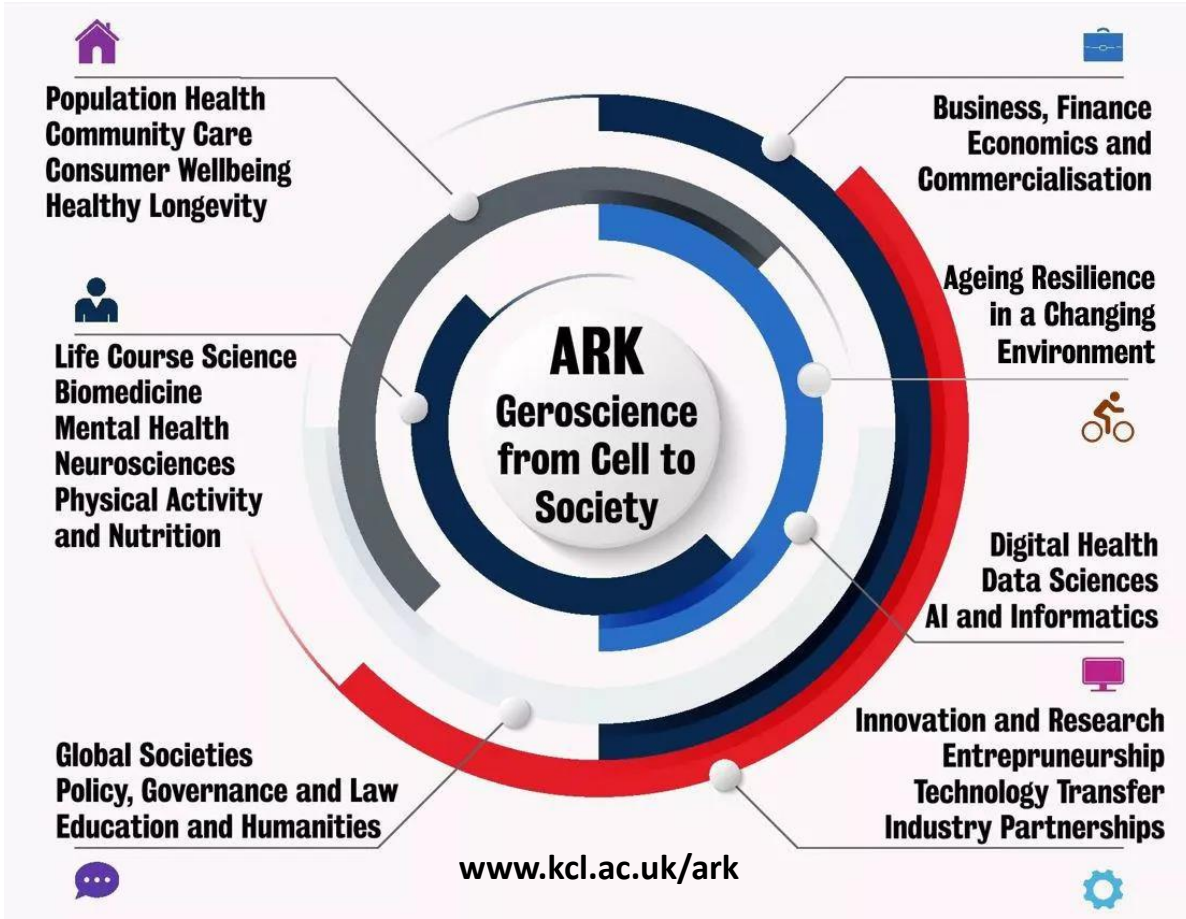


What are the benefits of physiologists working with AI specialists?

- Moving health and wellbeing from ‘sickness service’ to a prevention and early detection approach - Cost-saving for the NHS
- Unpicking the ‘black box’ of AI algorithms to understand how they work and the data they use
- Personalising diets and physical activity in response to DNA and epigenetic information - Role of AI in processing DNA methylation sites in the genome
- Link between mental and physical health
- Developing effective biomarkers for physical and mental health / wellbeing – prevention

For more information, please visit:

www.physoc.org/policy/public-health-and-ageing/physiology-ai-framework-taskforce





UK – Romania Collaborations in Health & AI

Ageing Research at King's College London
richard.slow@kcl.ac.uk

