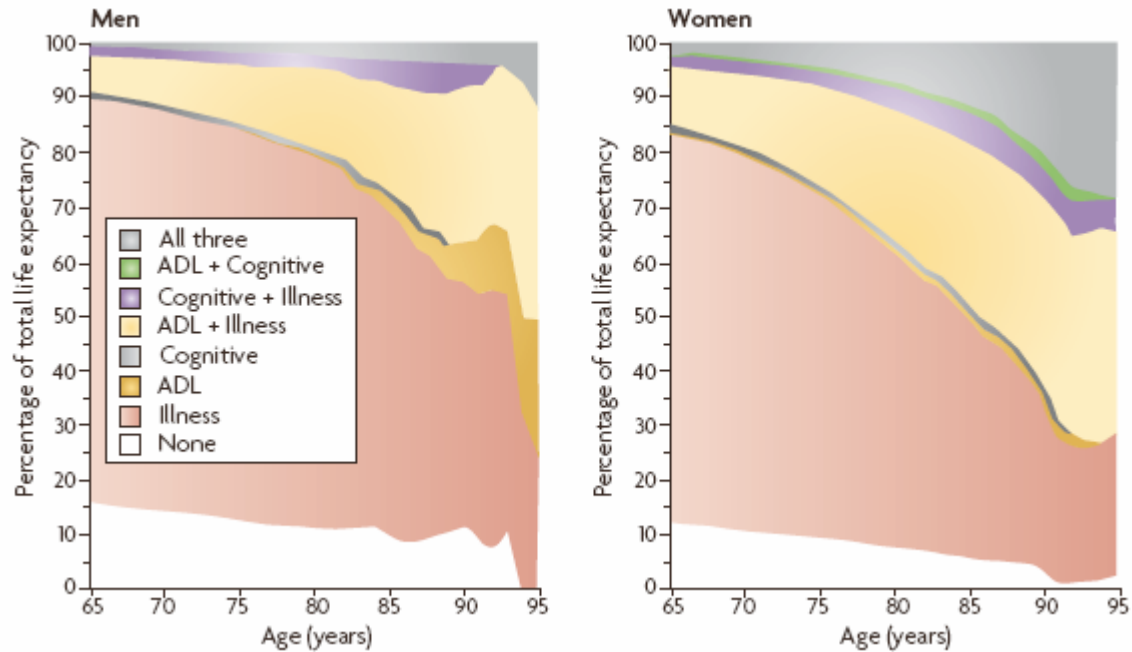


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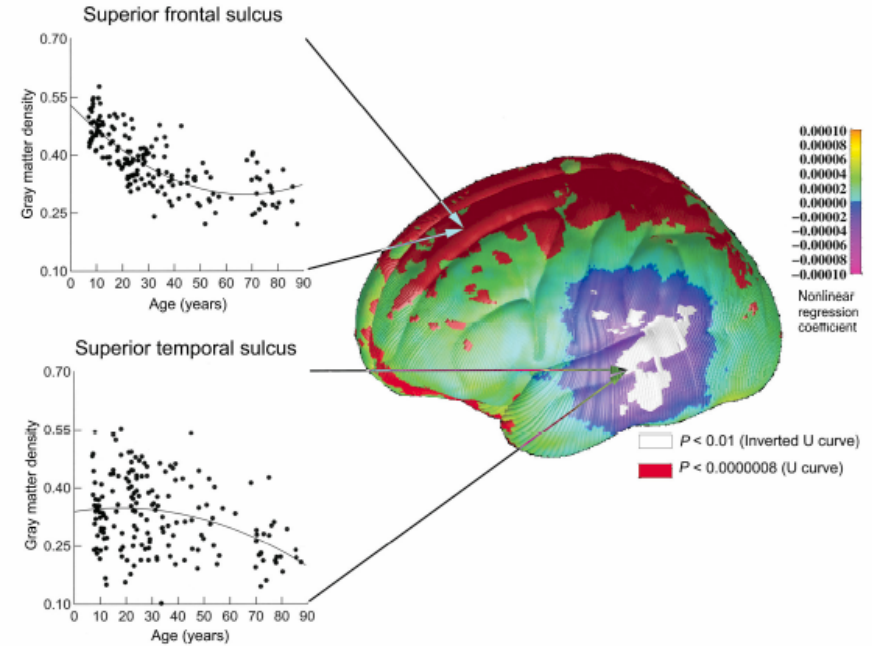
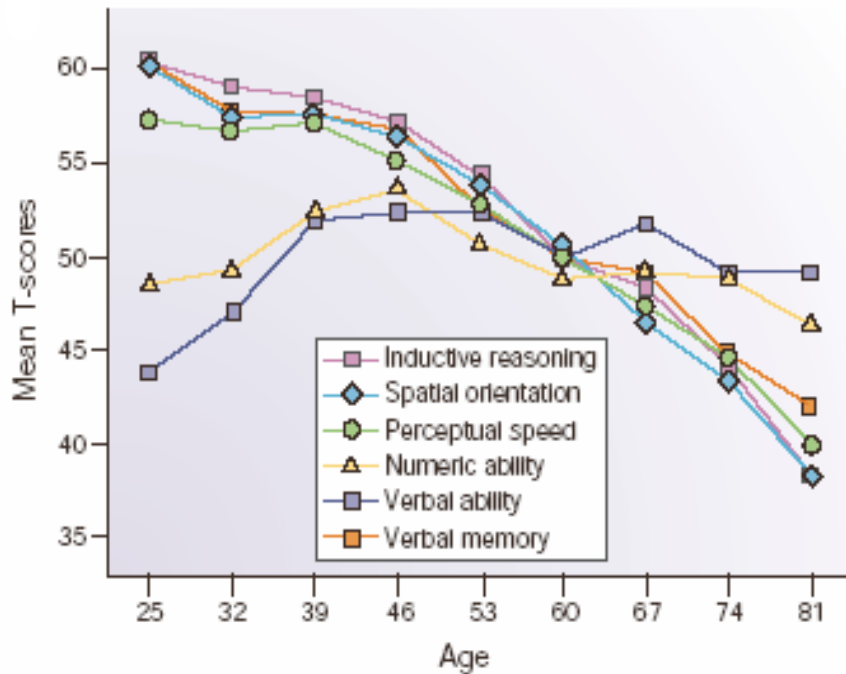
## Rehabilitation in Ageing: Regaining Function and Action



# The motivation



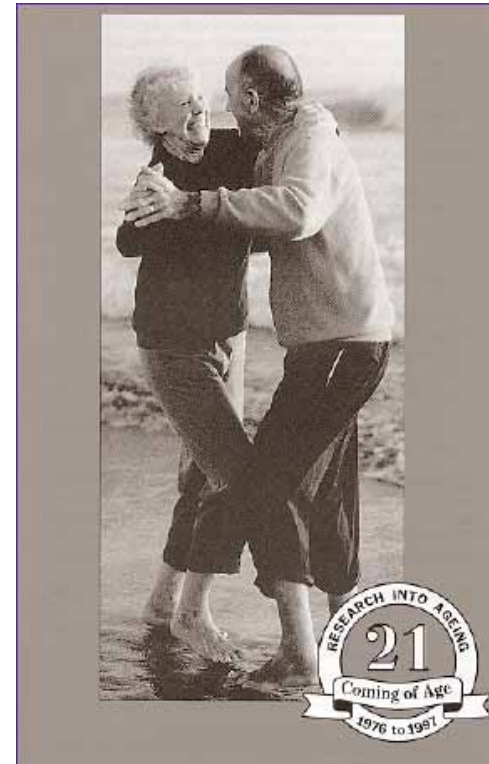
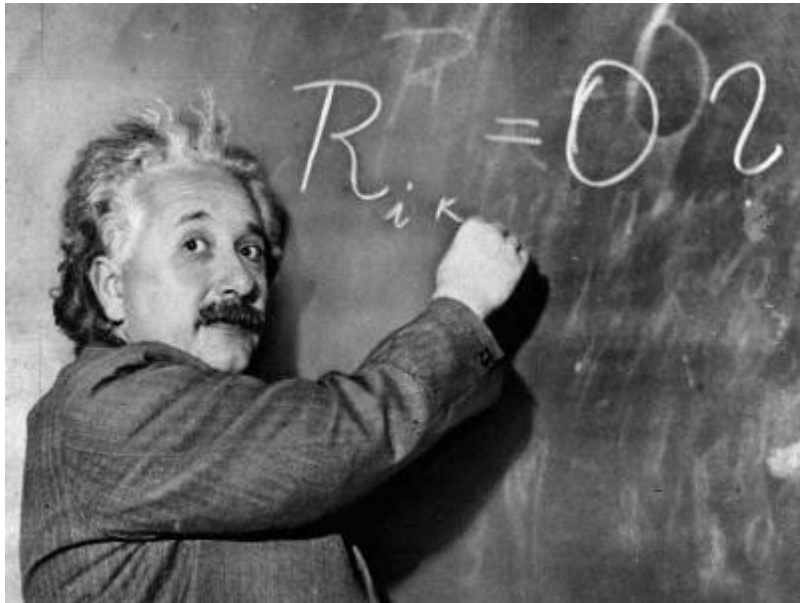
# Ageing: sensory and cognitive skills



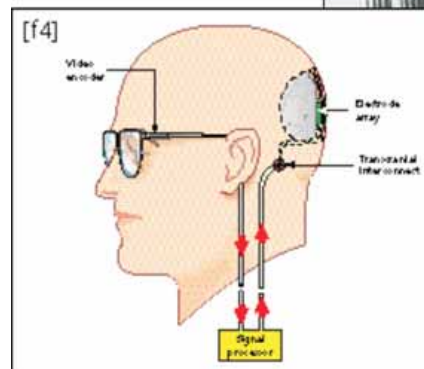
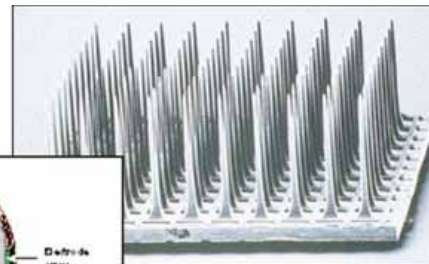
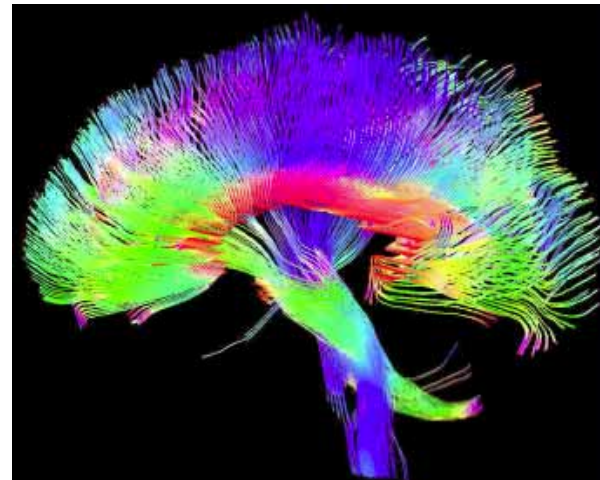
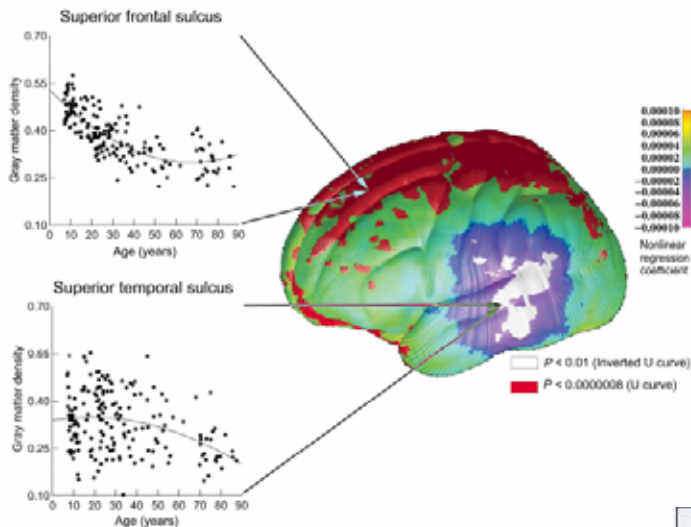
# Ageing: Physical and motor skills



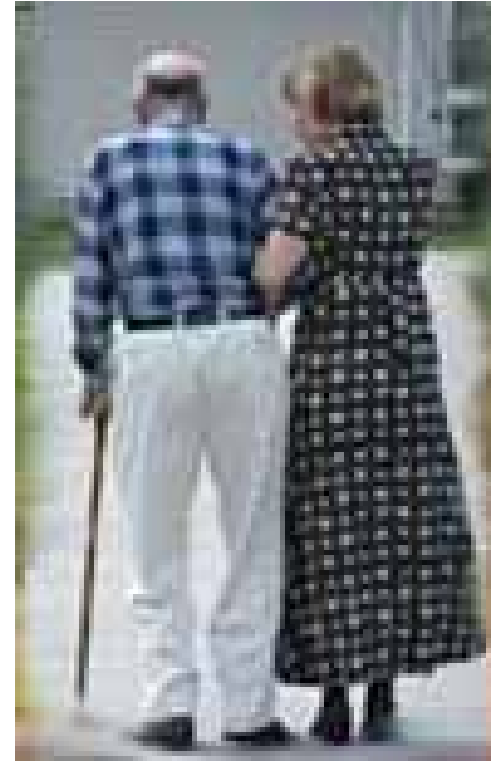
# Rehabilitation in Ageing: Regaining Function and Action



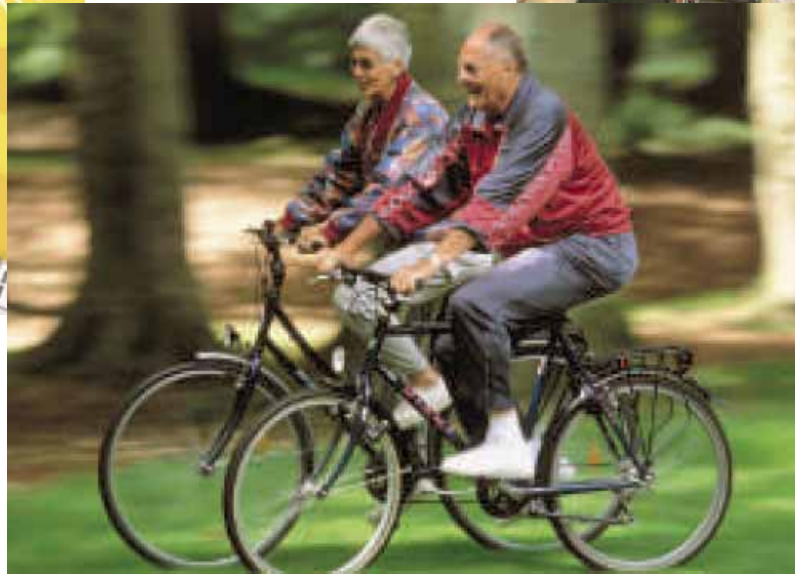
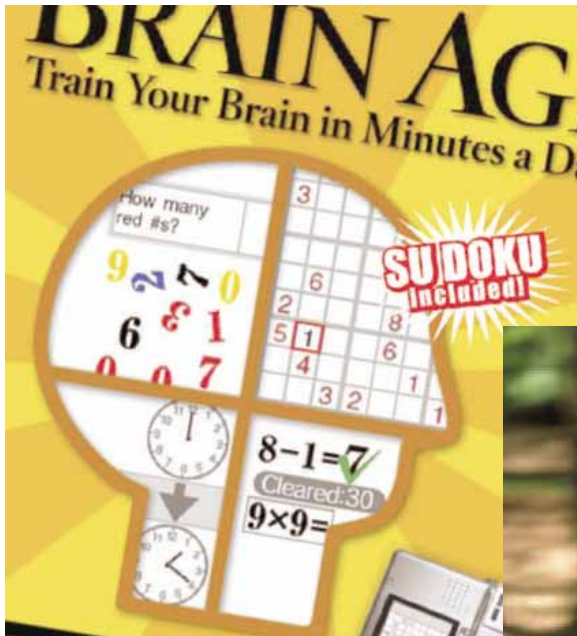
# How does the brain change during healthy ageing or disease?



# Why does a Fall turn Healthy Older People into Frail Older People?



# Is physical and mental exercise good for your health?



# Can research change public health approaches?



➤ **Health services research at Care Homes**

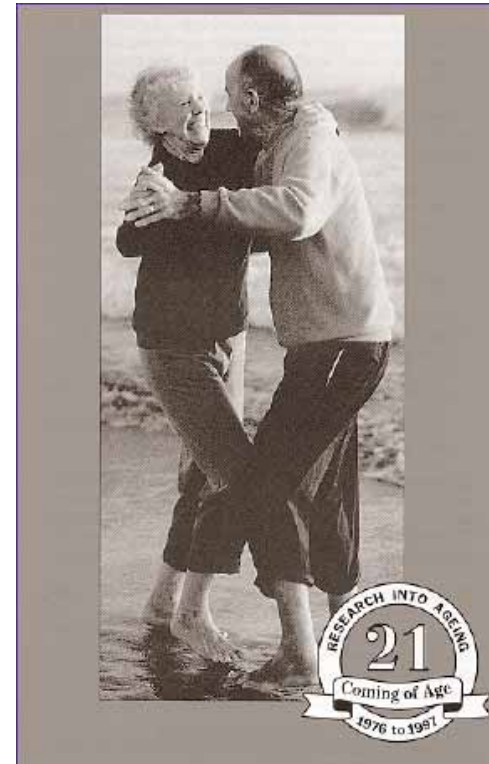
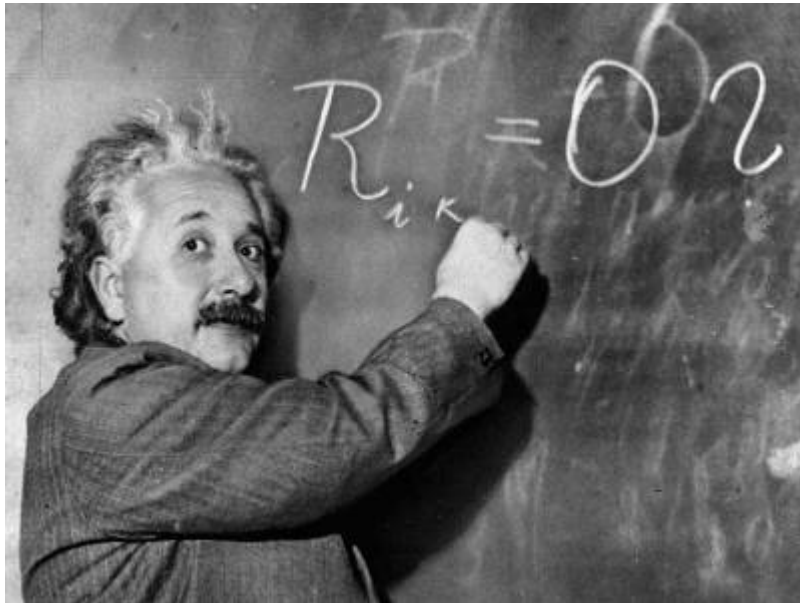
➤ **Modelling health care systems: The Virtual Hospital**

# SPARC Workshop

## Rehabilitation in Ageing: Regaining Function and Action



# Rehabilitation in Ageing: Regaining Function and Action



# **How can research help?**

**Detailed and precise screening and diagnosis  
for treatment targeted to individual needs**

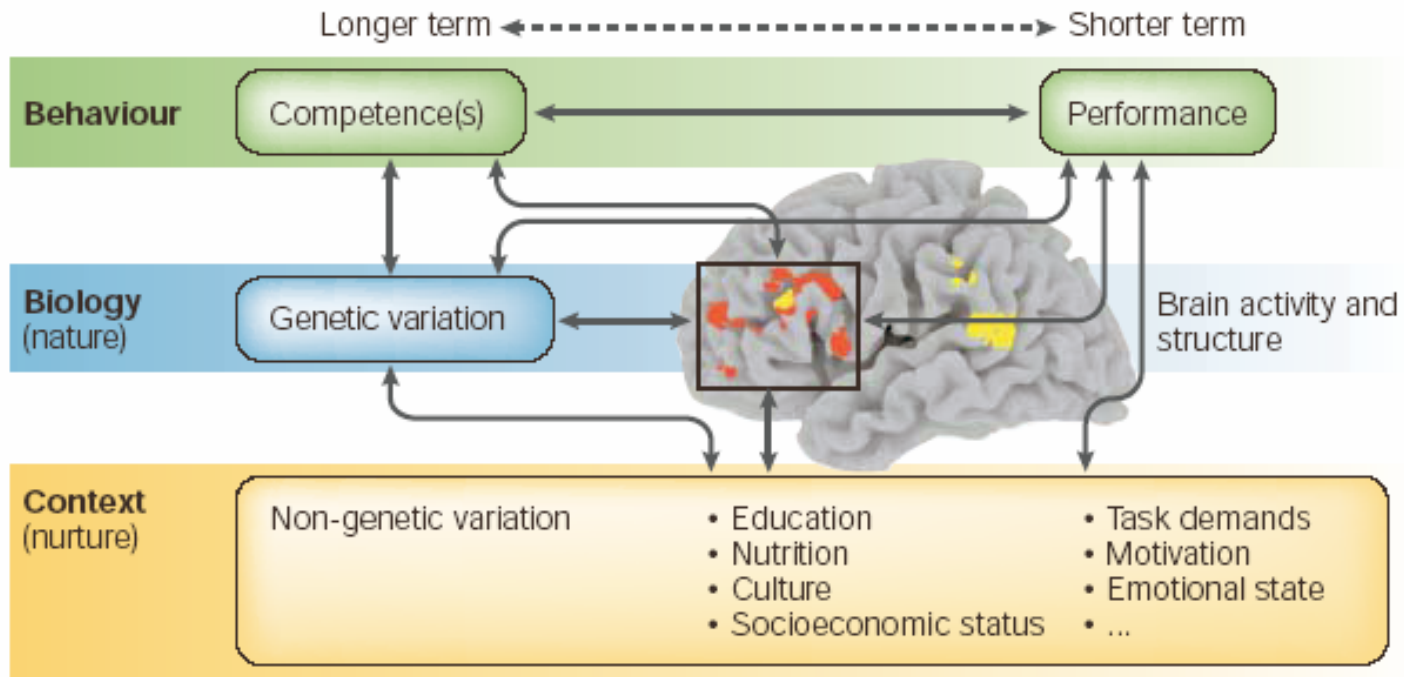
**Body and Brain Exercise**

**Rewiring the human brain with the help of imaging  
and neural prosthesis**

**Research and Intervention at Care Homes**

**Mathematical modelling of Health Care Systems**

# Targeting the whole organism



# Thanks



**Prof Peter Lansley**  
**Verity Smith, Jo Quarry**

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**Sarah Rappaport**

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**for Health, Well-being and Development**

**Our volunteers**