

# Health, the Human Body and Behaviour – 'H2B2'

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ROYAL  
HOLLOWAY  
UNIVERSITY  
OF LONDON

# Health, the Human Body and Behaviour



## Health, the Human Body and Behaviour



George Dickson  
Professor of Molecular Cell Biology  
UK MDEX consortium  
UK HIV-Vaccine consortium  
EU Clinigene Network of Excellence  
European Society of Gene & Cell Therapy  
British Society for Gene Therapy  
European Medicine Agency  
EU, MDC, Gates Foundation, Wellcome

Mark Exworthy  
Professor of Health Policy & Management  
ESRC  
NHS (Dept of Health and NIHR)  
Joseph Rowntree Foundation  
NHS Confederation  
Commonwealth Fund of New York



# Royal Holloway has leading cross-disciplinary research themes

## **Healthcare practice, management and informatics (Management, Economics, Maths, ISG):**

Health economics; knowledge mobilisation and change in health; health education; informatics and security of health and genetics data.

## **Translational biology and therapy for human diseases (Biosciences, Physics and Computer Sciences):**

Gene and cell therapy; rare inherited diseases; muscle and nerve function; infection and immunity; embryonic development; biodiagnostics, and nanotechnologies; food safety.

## **Behavioural psychology and sociology (Psychology, Social Sciences, Geography):**

Clinical and health psychology; brain function and cognition (sensation, perception, motor behaviour); social behaviour in health and disease; cultural geography.

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# Royal Holloway has leading researchers asking questions such as:

How to improve **systems and organisations for healthcare delivery** of in the 21<sup>st</sup> century?

How does **society and culture** shape attitudes towards health?

How do **behavioural variations** among individuals and populations impact on their health status?

How can **cognitive deficits and quality of life** be understood, measured and managed in long term conditions, such as multiple sclerosis, macular degeneration, dementia and in chronic pain?

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# Royal Holloway has leading researchers asking questions such as:

How can advances in **molecular genetics and gene therapy** lead to successful treatments for diseases such as muscular dystrophy, spinal muscular atrophy, Parkinson, motor neuron disease and spinal injury?

How can we develop **newer and safer drugs** for neurological diseases like epilepsy, bipolar disorder, and Alzheimer disease?

How can **new vaccine systems and antibiotics** be developed to counter emerging global healthcare problems like tuberculosis, HIV-AIDS and multiply-resistant pathogens?

Research grants and contracts:

£15,246,000 for 2010/11

£14,451,000 for 2011/12

**School of Biological Sciences ranked 3<sup>rd</sup> in UK**

**Department of Psychology ranked joint 5<sup>th</sup> in UK**

**School of Management in top 20 in UK**

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# H2B2 : Our Approach and Aims

Help to foster conditions for more high quality research

Promote translational research which makes an impact

Engage with relevant internal and external parties and enhance partnership and development activities

Be inclusive → ensure no-one is overlooked

Support grass-roots → enhance existing high quality research

Be collaborative → foster new research collaborations across campus

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