

# The Inaugural Big Data Institute Symposium

*Seminar Rooms | Big Data Institute | Li Ka Shing Centre for Health Innovation and Discovery*

*Wednesday 26 April 2017 | 10:00 - 16:00*

## Programme

- 09:30 Registration and coffee in the atrium
- 10:00 **Gil McVean:** Welcome and goals for the meeting
- 10:20 **Short scientific talks**  
**Tom Nichols:** The statistical analysis of large-scale neuroimaging data  
**Sarah Parish:** Searching for causality in dementia and ageing  
**Mark Sheehan:** The ethics of biomedical big data research  
**Cecilia Lindgren:** Dissecting pathways of genetic risk in obesity  
**Chris Hinds:** Measuring cognitive phenotypes through patient-interactive systems
- 12:00 **Working lunch:** Breakout sessions on how to create a successful environment for science
- 13:30 **Open problems in biomedical big data**  
**Chris Holmes:** How should biomedical research use machine learning?  
**Katherine Battle and Peter Gething:** What resolution do we need for mapping spatio-temporal dynamics of infectious disease?  
**Jonathan Emberson:** Conducting large cohort studies in low and middle-income countries
- 14:30 **Short scientific talks**  
**Peter Scarborough and Richie Harrington:** Learning about diet from supermarket data  
**Sonja Lehtinen and Christophe Fraser:** The evolution of antibiotic resistance  
**Will Herrington:** Scaling clinical phenotype evaluation and adjudication in cohort data
- 15:30 Feedback from breakout sessions
- 16:00 Tea and cakes in the atrium

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## Get Involved

**Watch:** YouTube live stream <https://youtu.be/CsXNbjdhTZE>

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