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The Implications of the GDPR for Research Involving Genetic Data.

5 October 2017

**Lisbon Conference Room, Lower Ground Floor
Institute for European Studies, VUB
5 Pleinlaan, 1050, Brussels**

In recent decades the amount of genetic data and the potential for its use has increased exponentially. From the use of initial samples containing relatively small amounts of genetic data to the use of genome wide samples (GSWs), researchers often now have the entire human genome at their disposal. This, coupled with increases in computing power and the development of ever more powerful new algorithms now allows researchers to apply a wide variety of data mining tools to discern relationships between genotype and phenotype that would not otherwise be apparent. Whilst the potential research applications are enormous the use of such big data techniques with human genetic data present numerous privacy and data protection challenges.

One of the most important issues for researchers in Europe using such data will be the need to comply with the data protection framework. This will include from May 2018 the new European Data Protection Regulation. This presentation aims to discuss some of the major issues that will arise in the use of Genetic Data for Research. In doing so it will combine legal and data protection expertise (Paul Quinn) with expertise from the world of computational genetics (Liam Quinn – a researcher based at University College London). The aim of this multi-disciplinary session will be to shed new lights on the issues that the GDPR will present and which would not be available from a singular perspective.

12.00-12.30	Arrival and lunch
12:30-13:30	The Implications of the GDPR for Research Using Genetic Data- Prof. Paul Quinn (VUB) and Liam Quinn (UCL)
13:30-14:00:	Open discussion.

The event is free to attend, but registration is required.

info@brusselsprivacyhub.org