**Research integrity and ethics**

**2nd October 2019**

Scientific research work, as all human activities, is governed by individual, community and social values. Research ethics provides guidelines for the responsible conduct of research. It involves requirements on daily work, the protection of dignity of study subjects such as humans and animals and the sharing and publication of the information in the research. In addition, it educates and monitors scientists conducting research to ensure a high ethical standard. This introductory course will cover some ethical issues that scientists encounter at their daily work.

**Aim of the course:**

To introduce participants to the ethical principles adopted by the research community, to make participants know the procedure and principals of different ethical committees.

**Who is this workshop for:** PhD candidates in the first half (year 1 and 2) of their PhD trajectory. The group is limited to 20 participants

**Prerequisites:** This workshop has no prerequisites other than working knowledge of English.

**Taught by:**

Michel Georges (GIGA Medical Genomics); Eric Salmon (GIGA CRC in vivo imaging); Athena Demertzi (GIGA Consciousness)

**Course program:**

**9:30- 10:30 Lecture 1. Research integrity (Michel Georges):**

* Research misconduct
* Plagiarism
* Authorship
* Conflicts of interest

**10:40-11:40 Lecture 2. Open science (Athena Demertzi):**

* Public engagement
* Open access
* Science education
* Study preregistration/repositories

**11:50- 12:50 Lecture 3. Ethics of research involving human participants and personal data (Eric Salmon):**

* Role of ethical committees
* Informed consent for participants
* Protection of human subject
* Research on untreated diseases
* Data sharing
* Contact persons