

# Biography

Dr Gabrielle Samuel (Gabby) is a social scientist whose main research interests relate to the ethical issues associated with big data and AI in the health arena.

Specifically, Gabby is particularly interested in the environmental impacts of big data and AI technologies, particularly as they pertain to health research. Related to this, Gabby currently holds a Wellcome Fellowship, which is exploring the environmental sustainability of data-driven health research using a case-study of genomics and digital phenotyping in the UK. She is also a co-Investigator on a ESPRC collaborative project PARIS-DE (Design Principles and Responsible Innovation for a Sustainable Digital Economy) Led by [Professor Gordon Blair](#) at Lancaster. The project focuses on the carbon emissions of ICT technology, with the goal of ensuring alignment with [Paris climate targets](#) that seek to limit temperature increases to 1.5 degrees Celsius.

Gabby is also interested in the ethical and social issues associated with innovative health technologies more generally, as well as those associated with innovative research methodologies. Her research, which draws mainly on qualitative research methods, has explored ethical and social issues spanning a range of innovative biotechnologies, including biobanking, genomics and other genetic databases, forensic/health genetic technologies, and AI health technologies. With relation to this, currently, Gabby works one data a week at UK Biobank, seconded to the University of Oxford, where she is Senior Research Fellow exploring the ethical dimensions of UK Biobank.

Gabby has an extensive track record of publishing in high quality internationally-renowned peer-reviewed journals.

Gabby teaches on the Masters courses, *Critical Policy Research* and *AI, big data and algorithms*. She supervises both undergraduate and Masters dissertations. She is an Associate Editor for the *Journal of Empirical Research on Human Research Ethics*, and has acted as a peer reviewer for a range of other journals and funding bodies.

## Research Interests

- Innovative health technologies (including genomics, biobanking)
- Sustainability
- Ethical issues
- Qualitative research
- Social media/AI research ethics