

Postdoc position in Computational Privacy at Imperial College London's Data Science Institute - Open until the position is filled

The [Computational Privacy Group](#), directed by [Yves-Alexandre de Montjoye](#), at Imperial's [Data Science Institute](#) and [Department of Computing](#) has a funded opening for a Postdoc to work on computational privacy. The group is interested in the original application of computational techniques such as machine learning and statistical physics on large behavioural datasets in order to identify privacy risks. The proximity with key industrial and institutional actors allows the group to explore unique and complex datasets leading to exciting and impactful research. The group's research has been [published](#) in top tier journals such as Science and PNAS.

Ever more individuals and companies have the ability to routinely amass massive amounts of data about individuals and the societies in which they live. Data generated by our technologies has the potential to fundamentally transform the way we fight diseases, design transportation systems, develop new drugs, etc. Improperly used, this data can also lead to deep violations of our privacy and large-scale discrimination. The goal of our work is to develop research and technical solutions allowing data to be used for good in a privacy-conscientious and fair manner.

The research project will be defined in close collaboration with the successful candidate in the area of computational privacy. For example, possible projects could include the development of a rigorous framework to efficiently profile individuals based on behavioural data. The CPG's research projects usually include a mix of theoretical and empirical work. The group also strives for active and constructive collaboration and the candidate will be expected to participate in the group's research and may be expected to help supervise doctoral students.

Candidates are expected to have (or be about to obtain in the near future) a PhD in applied mathematics, computer science, statistics, machine learning or a related quantitative field as well as a strong track-record of publications in leading journals or conferences. Experience working with large datasets is required. A demonstrated interest in the impact of privacy research on society (e.g. personal blog) is a plus.

Contact: deMontjoye@imperial.ac.uk with a CV incl. publication list