Revolutionizing Medicine through Machine Learning – Brilliant PhD students wanted!

Machine learning is set to transform the world. The Van der Schaar lab is the world leading group developing new theories and methods in machine learning for healthcare and medicine. We are searching for outstanding PhD students who wish to become future leaders in this field to join our vibrant and exciting research group.

We are a multi-national group of individuals who have achieved the top grades at the best universities in their country. The lab is led by Prof. Mihaela van der Schaar who is the John Humphrey Plummer Professor of Machine Learning, Artificial Intelligence and Medicine, Cambridge University and a Turing Faculty Fellow at the Alan Turing Institute in London.

Our research in machine learning spans a diverse range of topics – from new deep learning theory and algorithms to methods for causal inference, graphical models, statistical machine learning, time series data, interpretable machine learning and reinforcement learning.

Successful candidates should have top grades from the best universities in their countries, an excellent mathematical background and preferably experience in machine learning (see below for more details). They should also be committed to research with a societal impact – revolutionize healthcare and medicine. No knowledge of medicine or biology is required.

Applications are invited for 3.5-4 years PhD positions. They should be submitted to either the Department of Applied Mathematics and Theoretical Physics (DAMTP) (preferred) or Department of Engineering at the University of Cambridge. Please mention Prof. van der Schaar’s name in your application. The studentship is fully funded by Prof. van der Schaar’s various funding sources for the entire duration of the PhD; the funding covers both home and international fees in addition to living costs/stipend. Interviews will take place in December 2019 and January 2020.

Applicants should hold (or be predicted to achieve) the equivalent of a first-class undergraduate degree with honors in a course with a strong quantitative component (e.g. engineering, computer science, mathematics, economics, etc.). Admission is competitive, and most successful applicants have a first-class degree or the equivalent and preferably a master’s degree. Research experience in machine learning is desirable, so please provide links to publications, reports or code in the application if these are available.

Our lab is located in a beautiful building in the Center for Mathematical Sciences, which received numerous architectural awards (see https://en.wikipedia.org/wiki/Centre_for_Mathematical_Sciences_(Cambridge)

For more information about Prof. van der Schaar and our research group - see our lab website at: http://vanderschaar-lab.com