Grants Awarded

Project Summary

DATa Analytics for PAtient Scheduling (DATAPAS)

Özgür Şimşek, Senior Lecturer, University of Bath - £19,998

Rheumatological treatment is a complex process of medical intervention that can last months if not years, depending on the range of conditions and how they manifest in the individual. The front line of engagement with such complex conditions occurs at the point of contact between consultant specialist and patient. In this respect, patient-consultant contact time is a crucial medical resource. This, in itself, is a highly complex logistical exercise which compounds a number of visible and latent factors. The aim of this project is to utilise ultra-modern techniques of artificial intelligence and machine learning to "learn" better ways of scheduling points of contact with patients. This is done by understanding the aforementioned latent features that are inherently embedded in a large base of historical data that has been collected by the Royal National Hospital for Rheumatic Diseases. This project is an exciting collaboration between practicing rheumatology consultants and machine learning experts at the University of Bath.