Keele SPCR internship projects 2025

Name & email supervisor(s):
Ailish Byrne
Dr Sara Muller
Professor Toby Helliwell
Length and dates of internship:
4 weeks full time equivalent between Monday 9 th June and Friday 26 th September.
Full or part time is possible and weeks need not be consecutive (note Sar Muller, who will oversee
analysis, will not be available weeks beginning 4th and 11th August).
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Host department:
School of Medicine, Keele University
How will the internship be conducted:
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☐ In person at the university
☐ Virtual/ from home
☐ Wittell, From Home ☐ Both are possible, depending on preference of student
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Title internship project:
The search for a prodrome for giant cell arteritis in the primary care record – a CPRD study
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Summary of the internship project: (max 250 words, can include hyperlinks to further
information)
Giant cell arteritis (GCA) is a form of large vessel vasculitis effecting older people. It can cause
serious complications, including blindness. Rapid treatment is required, but when symptoms do
not present in a typical pattern, recognition and timely treatment can be difficult. This internship
will build on previous work using primary care records (from the Clincial Practice Research
Datalink, CPRD) of people with and without a diagnosis of GCA to understand whether results of
common investigations (e.g. blood tests) can be used to increase the suspicion of GCA in people
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Learning objectives:

The intern will

Gain an understanding of the use of medical records in research

Develop skills in the processing and analysis of large dataset

Have opportunities to work with patient partners and or the support charity PMRGCAuk

Any further information:

This project would be ideally suited to a student of data science or other discipline with strong data handling skills.