

<p>Name & email supervisor(s): Christina Derksen, Suzanne Scott,</p>
<p>Length of internship and when it could take place: 4-8 weeks (full- or part-time), starting from May 2024</p>
<p>Host department: Centre for Primary Care and Public Health, Queen Mary University of London</p>
<p>How will the internship be conducted:</p> <p><input type="checkbox"/> In person at the university <input type="checkbox"/> Virtual/ from home <input checked="" type="checkbox"/> Both are possible, depending on preference of student</p>
<p>Title internship project: Computerised clinical decision support systems for the detection of disease in primary care</p>
<p>Summary of the internship project: <i>(max 250 words, can include hyperlinks to further information)</i></p> <p>In the UK, primary care acts as the first point of contact for patients, thus holding a crucial gatekeeping role for diagnosis and referral. Early diagnosis is crucial for timely intervention and management of a variety of chronic conditions. Clinical decision support (CDS) tools have been developed to help primary care physicians differentiate between several possible serious conditions that need immediate further investigation and treatment, and more benign conditions. For example, QCancer (https://www.qcancer.org/) assesses the risk of a patient currently having cancer based on a variety of symptoms. Despite potential benefits, these tools are often not fully implemented in primary care settings and thus the effectiveness of CDS tools is limited. Barriers in primary care settings could include a lack of integration into existing workflows, technical issues, a lack of training or mistrust towards tools, and the wider context of the healthcare system.</p> <p>The intern will assist clinical and behavioural scientists in the CanDetect project (https://www.candetect.org/) to review the most up-to-date literature regarding barriers and facilitators to use of computerised CDSS for disease detection in primary care, with a specific focus on cancer-specific tools. This will be used to develop recommendations for future tool development and implementation.</p> <p>The intern will work closely with researchers to support the systematic review including the full-text assessment, data extraction and assessment of risk of bias. The intern will participate in all CanDetect meetings to get an overview of the research in the programme in addition to the wider work within the Centre.</p>
<p>Learning objectives:</p> <ul style="list-style-type: none"> - Learn how to conduct a systematic review, synthesise and analyse data (full training will be provided) - Practical experience of assessing full-text papers, data extraction and assessing risk of bias - Be part of a research team and gain insights into research currently being carried out in the CanDetect project. - Support writing a manuscript presenting the findings of the systematic review.

Any further information:

The research currently being undertaken in the group is part of the Cancer Research UK's Programme Award for "CANDETECT: Accelerating detection of upper gastro-intestinal (UGI) cancers using a multi-cancer early detection platform in primary care".