

## Summer Vacation Studentship 2016

The King's Health Partners faculty of healthcare improvement is pleased to launch the 2016 summer studentships. They will support students up to £250 per week for up to four weeks.

This opportunity provides invaluable experience of working with patient safety quality improvement projects and should be of interest to any student who wishes to develop their health profession career in areas related to patient safety and quality improvement within the university and NHS sectors.

Interested students are encouraged to regularly visit the King's Health Partners website to view available projects.

Please fill in the fields below and send the form to [educationacademy@kcl.ac.uk](mailto:educationacademy@kcl.ac.uk). Students will be able to see the project entry on the King's Health Partners website ([www.kingshealthpartners.org](http://www.kingshealthpartners.org)).

Students will be allocated to projects on a first come first served basis.

Thank you for supporting the King's Health Partners faculty of healthcare improvement summer vacation studentships.

<b>Title</b>	Improving paediatric IV Fluid Practice at Evelina London Children's Hospital (ELCH)
<b>Background</b>	<p>Every day, children and young people are prescribed IV fluid therapy for a variety of reasons. However, there is mounting evidence that many staff who prescribe IV fluids know neither the likely fluid and electrolyte needs of individual patients, nor the specific composition of the many choices of IV fluids available to them. Monitoring children and young people is often challenging: it may be difficult to assess urine output accurately, and blood tests can be painful, distressing and difficult to repeat. Assessment and monitoring is often suboptimal, and fluid and electrolyte status may not be recorded accurately. Changes in patients' fluid needs may not be reassessed appropriately or at the correct intervals, which can lead to fluids being prescribed incorrectly.</p> <p>Complications of IV fluid therapy can lead to mortality and significant morbidity.</p> <p>In December 2015, NICE issued guidance on the use of IV fluid use for children and young people. This guidance concentrates on both the composition of fluids in use, the ways they are delivered and the clinical monitoring that should take place. From both a governance perspective and from a clinical safety perspective it is essential that we review and analyse our practice to ensure fluid management is safe for our patients.</p>
<b>Aims of the project</b>	To review, and instigate improvements to, the use and monitoring of IV fluids for children in the hospital setting

<b>Objectives</b> (e.g. Assess prevalence of smoking in medical school and submit for publication based on success of project)	1. Pan-hospital audit of current practice regarding management of IV Fluid therapy for children at ELCH against national NICE standards, including <ol style="list-style-type: none"> <li>a. Assessing the appropriateness of the fluids in use</li> <li>b. Assessing the monitoring of fluids management and appropriateness of changes made.</li> </ol> 2. Design and test first cycle of quality improvement initiative to improve fluid therapy management, based on analysis of audit outcomes			
<b>Skills to be acquired</b> (e.g. Data analysis, ELISA, PCR, Literature review, etc.)	Data analysis for national audit and for local quality improvement Quality Improvement methodology			
<b>Project Type</b> (Please mark with "X")	Audit ( <input checked="" type="checkbox"/> )	Lab based ( <input type="checkbox"/> )	Review ( <input type="checkbox"/> )	Other ( <input type="checkbox"/> )
<b>Start Date and expected duration of the project</b>	July 2016 – 4 weeks			
<b>Project Description and Supervisor Contact Details</b>	Steve Tomlin, Consultant Pharmacist Alice Roueché, Consultant Paediatrician			