

## Project proposal template – Faculty studentships Summer 2014

<i>Project title</i>	<input type="text" value="Pharmaceutical Analysis to Support Ambulatory Chemotherapy"/>	<i>Director of Study</i>	<input type="text" value="Dr Shereen Nabhani"/>
<i>Second Supervisor</i>	<input type="text" value="Dr Stephen Barton"/>	<i>School</i>	<input type="text" value="Pharmacy and Chem"/>
<i>Other members of supervisory team</i>	<input type="text" value="Dr Julian Swinden"/>	<i>Any requirements from applicant (eg degree in specific subject area)</i>	<input type="text" value="Knowledge of analytical techniques."/>

**Project summary  
(max 1,000 characters)**

With the advent of elastomeric devices and the growing principle of healthcare management, ambulatory chemotherapy (AC) is the preferred choice for the treatment of many chronic diseases including cancer. Ambulatory chemotherapy services have made a significant positive impact on patients’ quality of life, their clinical outcomes, staff workload and hospitals/NHS costs. Despite all of these advantages, the use of AC is not widespread due to limited published studies surrounding stability, safety etc. The aim of this studentship is to evaluate current patient care pathways for chemotherapy regimen and study the possibility of incorporating AC using stability studies of the anticancer drugs in these elastomeric pumps. In addition, the accuracy and precision of these pumps will be studied and patients’ perception of their new care pathway (AC) will be evaluated. This research will be conducted in collaboration with companies and hospitals across the UK.