



## 2016 YCCSA SUMMER SCHOLARSHIP PROJECT SUBMISSION

This form is for prospective project supervisors to submit their projects to be included in the YCCSA Summer Scholarships Programme for 2016.

It is the purpose of the Summer School that any projects submitted are interdisciplinary in nature.

<b>Date</b>	14-12-2015
<b>Supervisors' Names and Departments</b>	Angelika Sebald, Chemistry Alistair Edwards, Computer Science Guy Schofield, TFTV David Mitchell, British Journal of Oral & Maxillofacial Surgery
<b>Project Title</b>	MaxFacts
<b>Project Description</b>	<p>Head and neck (HN) cancer has become a survivable disease for the majority of patients. Hence, living with the often life-changing and lasting consequences of the disease and its treatment(s) moves all kinds of quality of life (QoL) aspects and improved aftercare approaches to the forefront of considerations. In particular, any measures that allow and empower patients to take back control over their lives and look after themselves as well as possible are a major theme <sup>1</sup>. HN cancer patients suffer from a very wide range of difficulties, from oral food intake to speech, and social interactions, intimacy and appearance, with common problems such as malnutrition and depression. Optimising care for patients with such varied and multiple long-term problems is challenging when solely based on appointments in busy clinics.</p> <p>One way to improve this situation for patients (and carers) is to provide easy access to all the – validated – information they may need on a well-designed, easy to use <sup>2,3</sup>, yet information dense website (taking into account that the users often will not be computer literate). A considerable part of the content will have to be video material (covering areas from physiotherapy to oral hygiene and speech &amp; language training to some cooking class).</p> <p>This project aims to bring together all these various strands of expertise and know-how and to translate this into a well designed, encouraging and engaging online tool - MaxFacts.</p>
<b>Required Skills</b>	<p>This project needs combined expertise from two different backgrounds:</p> <ul style="list-style-type: none"> <li>(i) One team member needs to have experience of, and interest in, the design and implementation of websites for users with special needs; willingness to listen to the concerns of patients/users important.</li> <li>(ii) One team member needs to have experience of, and interest in, the creation of suitable video (and other illustrative) content for special needs websites; willingness to listen to the concerns of patients/users important.</li> </ul> <p>Both applicants will be required to collaborate with each other and other professionals involved in the project, hence willingness to work as a team crucially important, as is communication with patients and with health professionals providing content information.</p>
<b>Project Dates</b>	The project starts Monday, 11 July 2016 and finishes Friday, 9 September 2016.

<b>Other Information</b>	
<b>References</b>	<p>1.Rogers SN, El-Sheihka J and Lowe D (2009). The development of a Patient Concerns Inventory (PCI) to help reveal patients concerns in the head and neck clinic. <i>Oral Oncol.</i> <b>45</b>: 555-561.</p> <p>2.Das A, Faxvaag A and Svanæs, D (2011). Interaction design for cancer patients: do we need to take into account the effects of illness and medication? (in) <i>CHI '11 Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems</i>, pp.21-24, doi: 10.1145/1978942.1978946.</p> <p>3.Milne D, Sheeran L, Holmes M, Tidhar G and Aranda S (2012). Trialling a patient-led cancer care website in an acute cancer care setting. <i>Journal of Research in Nursing</i>, <b>17(6)</b>: 538-554.</p>

When complete, please email the form to sarah.christmas@york.ac.uk