

KESS 2 Project Application Form 2016 – 17

FOR KESS CENTRAL OFFICE USE ONLY	KESS Project reference number:	BUK2_____
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Once the call is open, please submit the completed application by uploading it here:

<https://www.bangor.ac.uk/doctorsal-school/kess/project-proposals.php.en>

Enquiries: kess2@bangor.ac.uk

Section A – Basic Project Details

1. Type of Scholarship

Please tick:	PhD ✓	MRes	Masters by Research
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Anticipated start date :	October ✓	January
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2. Company and university details

Company name:	Tenovus Cancer Care
Company project supervisor:	Dr Tim Banks
Telephone contact number:	02920 768874
E-mail contact:	Tim.banks@tenovuscancercare.org.uk
University :	University of Wales Trinity Saint David
Department :	School of Psychology
Academic supervisor :	Dr Ceri Phelps
Telephone contact number:	01792 482084
Email:	Ceri.phelps@uwtsd.ac.uk

Second academic supervisor :	Dr Kemi Ademoye (School of Applied Computing)
Telephone contact number:	01792 481000
E-mail contact:	Kemi.ademoye@uwtsd.ac.uk

3. WG grand challenge area :

Welsh Government (WG) grand challenge economic sectors Please indicate which of the following the proposed project link with :	ICT & the Digital Economy Low Carbon, Energy & Environment <u>Life Sciences & Health</u> ✓ Advanced Engineering & Materials Other (please specify)
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4. Identified an eligible student

Have the partners identified an eligible student for this project?

Yes

If yes, please state the name and submit a completed participant application with this application:

Miss Zoe Cooke

If no, do the partners anticipate any problems in recruiting one?

n/a

5. Project Details

5.1	Project Title: The Psychosocial Cancer Evaluation Toolkit: developing a tailored evaluation protocol and research outcome database for the evaluation of cancer support and prevention initiatives.
5.2	a) what is the specific research question being addressed : The overall aim of this PhD studentship is firstly to identify, quantify and map core evaluation outcomes for psychosocial cancer initiatives and secondly, to develop and evaluate the utility of a bespoke computer database offering a user-friendly interface that does not require specialist knowledge or skills to navigate. Accordingly, the specific research question being addressed through this project is: How can we best produce a user-friendly outcomes database that will enable Tenovus and other organisations to rigorously evaluate the relative effectiveness and potential sustainability of psychosocial cancer support and prevention initiatives designed to improve the care of people affected by cancer across Wales? b) what methodologies / approaches / techniques will be used in the project : The proposed project represents a multi-phased mixed methods approach, providing the PhD student with in-depth experience in a number of key research and professional competencies, supported by appropriate training, formal supervision and informal mentoring. The project is ideally suited to a PhD studentship, with the initial phase involving an in-depth systematic review of the existing empirical literature, the second phase involving active engagement with key stakeholders in the co-production of an identified set of outcome measures and preferred design interface, and the final phase involving piloting and both quantitative and qualitative evaluation of the final Toolkit. Phase One (Months One to Six): Systematic literature review: A systematic review of existing outcome measures used in cancer support and prevention initiatives leading to recommendations regarding the psychometrically strongest core outcome measures within this area. During this phase the PhD student will also undergo training in basic computer programming and interface development, supported by the second academic supervisor. Phase Two (Months Six to Twelve): Consensus-building and initial toolkit development: A series of focus groups using Delphi consensus building techniques with key stakeholders and patient groups across the convergence region to establish and agree on a core set of evaluation outcomes

and design preferences for the Toolkit interface and the initial development of the basic toolkit/interface. During this phase, the PhD student will continue to work closely with the School of Applied Computing to develop an appropriate user friendly database, based upon the knowledge gained from the data collected through Phase One and Phase Two.

Phase Three (Months Twelve to Thirty): Piloting and evaluation of the Psychosocial Cancer Evaluation Toolkit and interface The final toolkit and interface will allow the easy tracking and analysis of core outcome data within and across different initiatives combined with easy to produce summary data in numerical and graphical format. The toolkit may also include hyperlinks to additional data such as patient stories or external resources. In the second stage of Phase Three, the database will undergo rigorous pilot testing for ease of use and acceptability, accuracy of data comparison and analysis, and cost-effectiveness.

In the final six months of the project, alongside the thesis write-up, final revisions will be made to the toolkit and training offered to all Tenovus staff and key identified stakeholders alongside the provision of a simple “how to” guide.

c) what are the specific outputs from this research project :

- 1) It will create a “gold standard” evaluation protocol involving pre-defined psychometrically robust measures that will enable Tenovus to evaluate the extent to which their various cancer support and cancer prevention initiatives improve core cancer outcomes and patient/client experience.
- 2) It will produce a bespoke user-friendly interface where evaluation outcomes can be easily mapped and compared across different initiatives, both within and beyond Tenovus.

d) what is the wider relevance of the research :

With a large number of unique and innovative cancer support and cancer prevention initiatives funded by charities and research organisations within and across the UK that are designed to support a wide range of people affected by cancer, there is a need to identify the most psychometrically robust way of allowing key health outcomes and experience data to be systematically collected, logged, and mapped. Whilst many existing initiatives have been evaluated in terms of impact on cancer outcomes and experience, these have tended to involve a broad range of evaluation methodologies and outcome measures that are rarely directly comparable. Resultantly, it is increasingly difficult for charities and funders to be able to objectively quantify and compare the value of each initiative in terms of impact on core health and psychosocial outcomes. The final product has clear potential for wider implementation and potential future commercial and knowledge transfer value.

5.3	Specify how the work to be carried out in the proposed studentship addresses the identified company need : The proposed project addresses an identified need from Tenovus to be able to more rigorously map outcome and patient experience data to help inform strategic priorities and future research funding decisions. It will enable empirically informed decisions to be made by Tenovus in relation to strategic funding decisions and future cancer care and support provision which will enable Tenovus to best represent and support the needs of cancer patients and their families in line with their strategic priority areas.
5.4	How will the outputs of the proposed project relate to the University's research strategy : The outputs of the proposed project match the University's strategic vision of ensuring that research activity and outcomes influence the evidence base of policies developed in Wales and beyond. The proposed outputs of this project will clearly enable evidence-based decisions to be made by Tenovus and potentially rolled out to other cancer care providers across Wales and beyond. Importantly, the outputs will also contribute to the strategic vision of maximising the potential of the University's innovation and applied research activities in regard to digital learning activities and commercial product design technology. UWTSD research within the School of Psychology includes a focus on the application of psychological theory to understanding, influencing and promoting health and quality of life at an individual, organisational and societal level. Expertise in intervention development and evaluation methodologies, service delivery evaluation, and attitude and behaviour change processes combine to produce innovative and responsive research projects with a clear applied focus. The School has built successful collaborations with Tenovus Cancer Care, ABM and Cardiff and Vale University Health Boards and has strong links with the British Psychological Society's Welsh Branch and Division of Health Psychology (both of which play an important role in influencing health policy at a regional, national and UK level). The Head of School is registered by the Health and Care Professions Council as a practicing psychologist in the area of health psychology. The School of Psychology also offers research and methodological expertise in wider Quality of Life evaluations, with a strong track record of collaboration both within and outside of the University. Expertise within the team includes research ethics (including NHS ethics) experimental methods (measurement of implicit attitudes, psychophysiological measures), quantitative evaluation design (quality of life evaluation, on-line data collection and analysis of online data, randomised trials) and qualitative methods. Recent/current examples include the development and evaluation of virtual reality avatar programme for young people affected by cancer (collaboration with School of Applied Computing) and a quality of life evaluation of the Cerebra Innovation Unit's "Goto Seat" (collaboration with the Faculty of Art & Design).

5.5	Describe the potential economic benefit of the proposed project to the Convergence region : Recent statistics from the Wales Cancer Surveillance and Intelligence Unit report a total of 19,088 new cases of cancer in Wales in 2015, a 10% increase from ten years previously in 2005. There are also recognised areas of higher incidence and poorer health engagement within the region, especially amongst social disadvantaged populations, which suggests current psychosocial cancer support interventions may not be reaching, or considered appropriate within, certain populations. The proposed outputs will therefore provide an innovative technological toolkit which will represent an easily accessible and cost-effective resource for evaluating the sustainability and impact of existing and future psychosocial cancer interventions within the convergence region and beyond. The proposed project demonstrates a commitment to retaining and supporting new researchers who are keen to remain in the area of applied health research, providing valuable experience of collaborating with external organisations and key stakeholders beyond the traditional university sector and in understanding the real world impact of cancer interventions for a diverse population across the region. Through working closely with Tenovus the company will also increase its own research skills and awareness and encourage continued high quality knowledge transfer.
5.6	Describe the wider additional benefits of this collaboration to the Convergence region (West Wales and the Valleys) : The “added value” of the proposed collaboration to the region are threefold: 1) The project activities entails active engagement with key stakeholders and patient groups within the convergence region, thereby demonstrating a commitment to engaging the wider community in the process of research and intervention development and evaluation. 2) This collaboration will bring a number of additional benefits to the region which is seeking to strengthen its contribution to the wider health agenda 3) It will be possible to adapt the bespoke toolkit to be used by other health organisations wishing to map cancer-related outcomes across Wales and beyond, thus maximising ongoing dissemination activities and enhancing opportunities for future funding. UWTSD is currently developing a major portfolio of health and well-being initiatives designed to meet the well-being of Future Generations Act’s goal to create ‘A healthier Wales’ and is working with partners to look at innovative multi-disciplinary health, social care and well-being responses, including the creation of the Wales Centre for Rural Health in Lampeter which would meet the need identified in the ARCH prospectus and more widely. To develop this agenda, UWTSD has established two new Fellowships, based in Wales Centre for Rural Health, to explore the application of systems-thinking for sustainable health and well-being in changing rural environments. The work of the School of Psychology, and the Psychosocial Cancer Evaluation Toolkit project, will work within this broader context. The Fellows at UWTSD will review the relevance of systems theory, particularly the Cynefin Framework, to challenge the conceptual thinking about health, care, and well-being for people living in rural areas. They will also explore the dynamic potential and perspectives on systems thinking for delivering health goals equitably and effectively, adapt

	relevant metrics for healthy resilient communities and examine how current systems link acute and long-term care to identify where some of the key blockages and challenges lie in rural West Wales. It is expected that the analysis of linkages should identify weaknesses and enable improved design of sound synergistic system-ready interventions for strengthening health systems, enabling policy-makers and practitioners to accelerate change for the better in rural areas of West Wales.
5.7	Give details of the proposed supervision arrangements for the project, both academic and company, including the roles and experience (e.g. number of PhDs supervised to completion) of each member of the supervisory team : Lead academic supervisor : Dr Ceri Phelps will oversee the day-to-day supervision of the PhD student. Dr Phelps has supervised four PhD students to completion with another PhD student due to submit in October 2017. Dr Phelps has also successfully supervised a number of junior level research assistants on previous Tenovus projects, including the applicant in question for this PhD studentship, and has an excellent understanding of the supervision requirements for applied research of this nature. Second academic supervisor : Dr Kemi Ademoye will be the second academic supervisor overseeing the supervision of the PhD student. Dr Ademoye has been a lecturer in the School of Applied Computing since 2012 and prior to that worked in industry for several years, managing and delivering software solutions across various industries including the Airline, Marketing, Finance and Oil and Gas sectors. Dr Ademoye is currently supervising two PhD students. Company supervisor : Dr Tim Banks. Dr Banks is Research Manager at Tenovus Cancer Care. He is currently company supervisor for five KESS studentships (4 PhD and 1 MPhil).
5.8	Give brief details of the academic supervisor's track record of undertaking collaborative research and knowledge transfer projects with external partners : Dr Ceri Phelps has a strong track record of successful research collaborations both within the University Sector, with NHS collaborators, with charities and with community organisations. She has previously been funded by Tenovus on two occasions through its Innovation Grant Scheme in relation to projects involving intervention development and evaluation; both projects involving significant collaboration with Tenovus and other University departments. Of particular relevance to this application is our Tenovus-funded C:EVOLVE project, which involved a collaboration between the School of Psychology, School of Applied Computing, Tenovus Cancer Support Services and a local comprehensive school. Over the last 12 months Dr Phelps has been actively involved in supporting the Tenovus ManVan initiative, both as a project steering group member and as a researcher aiding with the evaluation of data and has also recently received funding from the Tenovus Cancer Support team to evaluate the impact of their nurse-led telephone callback service, due to be completed in August 2017.

5.9	If applicable, briefly outline any ethical issues associated with the project, and how these will be fully considered and addressed if the KESS 2 scholarship is awarded: The lead academic supervisor has substantial experience in research ethics, having been a committee member of an NHS research ethics committee and Faculty Chair of Research Ethics. The ethical issues associated with this project relate primarily to issues of appropriate consent, online data protection and confidentiality. The PhD proposal will be scrutinized by the University's Research Ethics Committee following initial approval from the School of Psychology's Research Ethics Committee to ensure that all aspects of the project meet the British Psychological Society's (BPS) Code of Human Research Ethics and other related documentation. Ensuring all elements of the project meet the BPS codes of conduct will be a key element of the studentship and an important researcher development area for the PhD student to ensure continued membership of the BPS for future registration professional development.
6.0	How does this project address the Wellbeing of Future Generations as outlined in the Wellbeing of Future Generations Wales (2015) Act : The proposed project clearly addresses a number of key elements of the Wellbeing of Future Generations Act by developing a research tool that will enable the potential sustainability of cancer support initiatives to be systematically evaluated. The need to be able to assess sustainability through systematic evaluation of the long-term viability of health interventions is recognised as being increasingly important in order to enable funders, policy makers and health-care providers to make appropriate decisions about resource allocation (Swerissen & Crisp, 2004; Higgins & Green, 2011). The toolkit/interface designed through this project will increase the potential for strategic decisions about research funding and findings for cancer care initiatives to be focused around the ongoing provision of care that recognises the need for equity of access for the diverse populations of Wales. In particular, recent initiatives within Tenovus have recognised the need to provide more appropriate and easily accessible psychological support for younger people affected by cancer, as well as older generations (both of these having been reflected in recent successful funding to Dr Phelps through the Tenovus Innovation Grant Scheme), and also to socially disadvantaged populations across Wales through the ManVan project. The proposed project will provide valuable data to ensure that such provision can be evaluated and compared across key criteria that reflect the need to ensure equity and fairness on clinical and psychosocial outcomes identified by key stakeholders. Swerissen H., & Crisp, B.R. (2004). The sustainability of health promotion interventions for different levels of social organization. <i>Health Promotion International</i>. 19(1):123-30. Higgins, J.P.T., & Green, S. (editors). <i>Cochrane Handbook for Systematic Reviews of Interventions</i> Version 5.1.0 [updated March 2011]. The Cochrane Collaboration, 2011. Available from www.handbook.cochrane.org.

6.1	Please identify any specific training / support the student will need to complete the project : The PhD student will benefit from direct access to the School of Psychology experimental laboratories and the School of Applied Computing training facilities for web-based database development. The student will be supported by the Vitae Researcher Development Framework and UWTSD's commitment to the postgraduate research student experience. The student will be expected to present work appropriately to a variety of academic and non-academic audiences and to engage in all required PhD training opportunities. Specific training requirements are: • Completion of a 10 credit "Introduction to Computer Programming" module within the School of Applied Computing to develop experience of up-to-date techniques and current technologies. • Completion of the 40 credit MSc Applied Social & Health Psychology module "Applied Research, Ethics & Analysis" within the School of Psychology to ensure training in systematic literature reviews and psychometric evaluation and analysis • Specific training in Delphi consensus-building focus group techniques
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6. Conflict of interest

Are you related or connected with anyone employed by the University, with any member of the University Council, or with any member of the company partnered with this project ?

No

Any possible conflicts of interests must be declared here :

none

7. Proposal Approval

KESS2 is seeking funding from the European Social Fund (ESF), supported by the European Union. To meet the terms of the funder and the Welsh European Funding Office (WEFO), KESS 2 scholarships will operate with a range of special conditions and administrative obligations. Key points are set out below, and further detailed advice will be provided to successful projects. Please contact Dr Penny Dowdney in the Doctoral School with any queries (p.j.dowdney@bangor.ac.uk) : 01248 382266)

- Timesheets: The University is required to contribute match funding to the KESS 2 Programme consisting of supervisory staff time. **All academic supervisors must complete timesheets each month** evidencing their supervisory time supporting this project. Staff that are 100% funded from other grant sources are not eligible to provide timesheets /supervisory time.
- Student eligibility: Eligible students must have a **home or work address in the Convergence area** at the time they accept the KESS 2 scholarship from the University, as well as the legal right to live and work in the UK. Eligibility cannot be 'self-declared' and must be supported by original documentary evidence provided on request to the KESS 2 Central admin team.
- Postgraduate Skills Development Award: KESS 2 requires students to **achieve a Postgraduate Skills Development Award** in addition to their academic qualification. The PSDA is awarded by Bangor University, following the KESS Scholar's achievement of 40 credits (for PhD) or 20 credits (for MRes) of skills training and attendance at a mandatory residential KESS Graduate School. The University Doctoral School will provide advice and support.
- Reporting and submission requirements: KESS 2 will have additional reporting requirements including production of quarterly progress reports and achievement of 'outputs' within time periods determined by the KESS 2 programme (including **PhD submission within 6 months of the end of the funded period**).

Academic Supervisor approval: _____ Date: _____

Head of School approval: _____ Date: _____

School / College Director of graduate studies approval: _____ Date: _____

College approval(Director of Research): _____ Date: _____



Section B – Company details (Eligibility)

Company contact details :		Dr	
Title:			
First Name:		Tim	
Surname:		Banks	
Job title:		Research Manger	
Company name :		Tenovus Cancer Care	
Address (in convergence area) :		9th Floor, Gleider House,	
Address 1:			
Address 2:		Ty Glas Road	
Town/city:		Cardiff	
County :		Cardiff	
Post code :		CF14 5BD	
Telephone number :		02920 768874	
Alternative telephone number :		02920 768787	
E-mail address :		Tim.banks@tenovuscancercare.org.uk	
Website :		www.tenovuscancercare.org.uk	
Company registration number :		Registered charity number 1054015	
Business activity / sector e.g. agriculture, engineering, builder etc. :		Medical	
Number of employees: 262	Full time: 154	Part-time: 108	Seasonal:

Start-up (less than two years old) :	No
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Social enterprise :				No
VAT Number, if appropriate :				VAT No: 123325551
Is turnover less than 50m euro :				Yes
Annual turnover in £s	Latest period	Last Audited period	Prior Audited period	
£8,726,304	04/2016- 03/2017	04/2015 – 03/2016	04/2014 – 03/2015	
Is the company's balance sheet more than 43m Euro :				No
Is the company independent i.e. no participation in other enterprises and no enterprise has participation in yours : Please confirm if you have a holding of less than 25% of the capital or voting rights (whichever is the higher) in one or more other enterprises and/or outsiders do not have a stake of 25% or more of the capital or voting rights (whichever is the higher) in your enterprise.				No No
Do you collaborate with learning providers?				No
Is your business adopting or improving equality & diversity strategies and monitoring systems				Yes
Is your business adopting or improving sustainable development strategies and monitoring systems				No
Has the company partner participated in any of the following schemes?				
GO Wales Student and Graduate Placements				Yes
Knowledge Transfer Partnerships (KTP)				No
Research Council sponsored Industrial CASE Award				No
Previous rounds of KESS scholarships				Yes
Other (please give details):				
How did you find out about KESS e.g. website, university, Business support, agency, other. Please specify:				RCBC Wales

Please identify the company need that this KESS 2 project will address.	One of Tenovus' four strategic aims for the next 5 years is "to conduct and fund research to improve cancer outcomes and experiences". This proposal has the potential to lead to benefits in both outcome and experience of cancer patients and therefore fits exactly this strategic goal of the charity.
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Please identify how the project could potentially have a positive impact on the business e.g. increased sales, development of new product, new jobs created, etc.	This project has the potential to have a large impact in the manner in which service are determined, funded, measured and developed in order to maximise impact and efficiencies for the cancer patient.
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Conflicts of interest	Are you, or any partner directors / trustees / employees, related to or connected with anyone employed by the University (in particular, the KESS 2 project or the research group involved in this project) ? No Any possible conflicts of interest must be declared here :
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Declaration	I declare that the details given on this form are true to the best of my knowledge.  Signed: _____ Date: <u>15.05.17</u> Position within company: <u>Research Manager</u> _____
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Equal Opportunities

This information relates to the company supervisor and is collected for statistical purposes only.
Please put ✓ in the relevant boxes :

Title (Mr, Mrs, Ms, Miss, Dr) :	Dr
Surname :	Banks
First Name(s) :	Timothy Michael
Date of Birth dd/mm/yyyy :	17/11/1982

Gender	Male X	Female
Disabled	Yes If yes, nature of disability	No X
Work limiting health condition?	Yes	No X
Lone parent	Yes	No X

Understand Welsh	Yes	No X
Speak Welsh	Yes	No X
Read Welsh	Yes	No X
Write Welsh	Yes	No X

I would describe my ethnicity as:			
Black		White	
Black British		British	
Black English		English	
Black Irish		Irish	
Black Scottish		Scottish	
Black Welsh		Welsh	X
Caribbean		Any other White background, please specify:	
African			
Any other Black background, please specify:		Dual Heritage:	
		White and Black Caribbean	
Asian		White and Black African	
Asian British		White and Asian	

Asian English		Any other dual heritage background, please specify	
Asian Irish		Gypsy	
Asian Scottish		Traveller	
Asian Welsh		Romany	
Indian			
Pakistani			
Bangladeshi			
Chinese			
Any other Asian background, please specify:			
If you would prefer to describe your ethnic origin in another way, please do so:			

Section C – Budget

Please ensure that you have completed the project budget form (excel spreadsheet) and attached it here.
We would like to set a preliminary budget with a final budget to be submitted once the student's needs have been assessed.

Please see attached EXCEL spreadsheet

For KESS 2 central office use only

<i>KESS Project reference number:</i>	BUK2_____
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Research project proposal meets the grand challenge area :

- ICT & Digital Economy
- Low Carbon, Energy & Environment
- Life Sciences & Health
- Advanced Engineering & Materials

Signed :

Print name : _____
KESS 2 Wales Project Manager

Date : _____

Financial :

Company credit check :

Approved / Not approved

Comments :

Signed :

Print name : _____
Project Accountant

Date : _____

Company Eligibility :

SME definition satisfied :

Yes / No

Company has an operational base within the Convergence Area
OR Research activity is within convergence

Yes / No

Based on the information provided above and as per the company details contained in the project proposal, this SME meets the eligibility criteria and is accepted / not accepted as being eligible to participate in the KESS 2 European Social Fund project.

Signed :





Ysgoloriaethau Sgiliau Economi Gwybodaeth
Knowledge Economy Skills Scholarships



Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

Print name : _____

KESS 2 Wales Project Manager / KESS 2 Wales
Project co-ordinator

Date : _____

