



Ysgoloriaeth Ymchwil PhD KESS Prifysgol De Cymru
University of South Wales KESS PhD Studentship

PDC/USW MAXI 21434

Developing the health workforce in genomics: a longitudinal, cross-Wales, multicentre,
interdisciplinary case study

<p>PhD wedi'i gyllido yw hwn, sy'n cynnwys cyflog hael a ffioedd dysgu, gydag amgylchiadau sydd â digon o adnoddau ar gyfer ysgoloriaeth lwyddiannus.</p>	<p>This is a funded PhD, including a generous stipend and tuition fees, with well-resourced circumstances for a successful scholarship.</p>
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Here is an exciting opportunity to study the processes of education and behaviour change which could lead to entirely new approaches to health professional education.

The selected candidate will apply their research skills and ambition to deliver this very topical project. This mixed methods study, will allow the student to develop transferable knowledge and skills in this most exciting and active field of genomics education research.

This Knowledge Economy Skills Scholarship (KESS) project will be held in the Faculty of Life Sciences and Education at the University of South Wales. KESS is a programme funded by the European Social Fund (ESF) awarded by the Welsh European Funding Office (WEFO) in the Welsh Government. The PhD will be undertaken in association with Genomics Partnership Wales - a newly formed initiative that has been established to ensure a united approach to genomics in Wales. It represents the coming together of a number of organisations including NHS Wales' All Wales Medical Genetics Service, Public Health Wales' Pathogen Genomics Unit and Wales Gene Park, to deliver a programme of work that will enable the ambition and commitment laid out in the Welsh Government's Genomics for Precision Medicine Strategy to be realised.

The project will focus on understanding 'what, when and how' to teach genomics to qualified health professionals. Without appropriate education, the pathway from scientific discovery, through to technological advancement and ultimately to applied changes in the healthcare service may not be fully realised, could deny patients important opportunities and even compromise patient safety, adding to the NHS's financial burden in the process.

The project is backed by Genomics Partnership Wales, whose vision is **"Working together to harness the potential of genomics to improve the health, wellbeing and prosperity of the people of Wales."** Link below for further information:

<https://gov.wales/topics/health/publications/health/strategies/genomics/?lang=en>

Programme of research:

Within the field of genomics, understanding the 'science of genomics education' (what, when and how to teach a subject) has often been overlooked on a global scale. Advances in technology, techniques and developing infrastructure to enable genetic testing and genome sequencing have taken precedence, albeit at the expense of the needs of the broadening workforce. Without the appropriate

education, the pathway from scientific discovery, through to technological advancement and ultimately to applied changes in the healthcare service may not be fully realised, could deny patients important opportunities and even compromise patient safety, adding to the NHS's financial burden in the process. Wales' size and devolved healthcare statues provides the ideal environment to review the genomics education provision of the workforce, and proactively drive the agenda to up-skill current and future generations of the genomics workforce.

Working with Genomics Partnership Wales (GPW), this project will provide a better understanding of how genomics education can become embedded into practice and will offer a model that could be used by other countries internationally as they take forward their own genomic healthcare agendas, positioning Wales as a global leader.

This project aims to understand the range of educational requirements (content and pedagogy) of those working in primary, secondary and tertiary services and affiliated disciplines, and will answer the question: What are the most effective educational interventions that can be used to up-skill the genomics workforce?

<p>Ysgoloriaeth ymchwil:</p> <p>Bydd yr ysgoloriaeth ymchwil yn cynnwys ffioedd ar gyfer rhaglen PhD llawn-amser am flwyddyn ac yn talu cyflog o oddeutu £14k flwyddyn. Mae hefyd tua £9k gostau cymorth ar gael i'r prosiect ar gyfer treuliau, teithio, mân offer, hyfforddiant (gan gynnwys Ysgol Raddedig KESS) a mynychu cynadleddau.</p> <p>Mae'r cyfle ar gael o 1 Ebrill 2019.</p>	<p>Studentship:</p> <p>The studentship will cover the fees for a full-time PhD programme and pay a stipend of circa £14kp.a. There is also around £9k project support costs available for consumables, travel, minor equipment, training (including the KESS Grad School) and conference attendance.</p> <p>The position is available from 1st April 2019.</p>
<p>Cymhwyster Myfyrwr:</p> <p>I fod yn gymwys i gael ysgoloriaeth ymchwil KESS, mae'n rhaid:</p> <ul style="list-style-type: none"> • cael cyfeiriad cartref yn yr ardal Dwyrain Cymru (manylion isod)* ar adeg cofrestru. • bod gennych hawl i ymgymryd â gwaith cyflogedig yn ardal Dwyrain Cymru * ar ôl cwblhau'r ysgoloriaeth. • bod y Brifysgol yn eich ystyried yn fyfyrwr 'cartref' neu 'UE' at ddibenion ffioedd dysgu yn unol â chanllawiau'r Brifysgol. • eich bod yn bodloni meini prawf mynediad Prifysgol De Cymru: gweler isod, <i>cymwysterau a phrofiad a'r broses ymgeisio</i> <p><i>*Mae Dwyrain Cymru yn ardal sy'n cwmpasu: Bro Morgannwg / Caerdydd / Casnewydd/ Sir Fynwy/ Powys/ Wrecsam/ Sir Y Fflint</i></p>	<p>Eligibility of Student:</p> <p>To be eligible to hold a KESS studentship, you must:</p> <ul style="list-style-type: none"> • have a home address in East Wales area (details below)* at the time of registration. • have the right to take up paid work in the East Wales area* on completion of the scholarship. • be classified by the University as 'home' or 'EU' for tuition fees purposes according to the University's guidelines. • satisfy University of South Wales's admissions criteria: see below, <i>qualifications and experience and application process</i> <p><i>*East Wales area covers: Vale of Glamorgan / Cardiff/ Newport/ Monmouthshire/ Powys/ Wrexham/ Flintshire</i></p>

Cymwysterau a phrofiad: Bydd gan ymgeiswyr cymwys:	Qualifications and experience: Eligible applicants will:
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- Have a degree (2i or higher) in an appropriate discipline for example genetics/genomics/applied biology/**biological sciences**, education, psychology or health qualification (e.g. nurse, doctor, midwife)
- Possess a reasonable understanding of research methods (both quantitative and qualitative)
- Be highly self-motivated, with capacity to learn and develop new skills and techniques
- Have well-developed and positively collaborative interpersonal skills
- Have an ability to deliver technical reports and communicate findings
- Be willing to travel and work in clinical settings

<p>Y Broses Ymgeisio:</p> <p>I lawrlwytho'r pecyn ymgeisio, ewch i: Pecyn Ymgeisio Cyfranogwr</p> <p>Am unrhyw ymholiadau ynghylch cymhwysedd, cysylltwch â: Tîm KESS, Gwasanaethau Ymchwil ac Arloesedd, Prifysgol De Cymru: kess@decymru.ac.uk Ffôn: 01443 482578</p> <p>Ar gyfer ymholiadau anffurfiol neu ragor o wybodaeth am y rhaglen, cysylltwch â: Dr Emma Tonkin (emma.tonkin@decymru.ac.uk).</p> <p>Rhagor o wybodaeth: http://staff.southwales.ac.uk/users/1002-etonkin</p>	<p>Application Process:</p> <p>To download an application package, please visit: Participant Application Package</p> <p>For any queries on eligibility, please contact: KESS Team at Research and Innovation Services, University of South Wales: kess@southwales.ac.uk Tel: 01443 482578</p> <p>For informal enquiries or further programme information, please contact: Dr Emma Tonkin (emma.tonkin@southwales.ac.uk).</p> <p>Further information at: http://staff.southwales.ac.uk/users/1002-etonkin</p>
<p>Dyddiad cau ar gyfer ceisiadau: Hanner nos Dydd Sul 27 Ionawr 2019</p> <p><i>Cynhelir cyfweiliadau yn ystod yr wythnos yn dechrau (i'w gadarnhau)</i></p>	<p>Closing date for applications: midnight Sunday 27th January 2019</p> <p><i>Interviews will be held w/c (TBC)</i></p>
<p><i>Mae Ysgoloriaethau Sgiliau Economi Gwybodaeth (KESS) yn fenter sgiliau lefel uwch ar draws Cymru a arweinir gan Brifysgol Bangor ar ran y sector AU yng Nghymru. Fe'i cyllidir yn rhannol gan raglen gydgyfeirio Cronfa Gymdeithasol Ewropeaidd (ESF) Llywodraeth Cymru ar gyfer Dwyrain Cymru.</i></p>	<p><i>Knowledge Economy Skills Scholarships (KESS) is a pan-Wales higher-level skills initiative led by Bangor University on behalf of the HE sector in Wales. It is part funded by the Welsh Government's European Social Fund (ESF) programme for East Wales.</i></p>

Please note: This scholarship is advertised subject to funding confirmation