

News story: Biotechnology innovation: apply for business funding

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UK businesses can apply for a share of £2 million for biotechnology projects to reduce global dependence on fossil resources.

Innovate UK has up to £2 million to invest in business projects as part of the European ERA-NET cofund on biotechnologies.

The funding will support UK businesses in joint projects with organisations from other countries to investigate how biotechnology could support sustainable industrial development.

The aim is to help transform the global economy from dependence on fossil raw material to use of more sustainable, bio-based resources.

Projects are expected to include at least one of the following processes:

- synthetic biology
- systems biology
- bioinformatic tools to identify and use metabolic pathways
- biotechnological approaches (possibly in combination with chemical ones)

They should also cover one of the competition's specific research topics, which include:

- sustainable production and conversion of different types of feedstocks and bioresources
 - new products, value-added products and supply services
 - sustainable industrial processes
 - the competition is open, and the deadline for submitting pre-proposals is midday on 2 March 2017
 - projects are expected to last up to 3 years and must include at least 3 partners from different contributing countries
 - businesses could attract up to 70% of their project costs
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[News story: GC collaborates in research about dangers in food supplements](#)

Hidden ingredients in food supplements

Food supplements of herbal origin are now commonly used by many people as part of their personal healthcare regimens and there has been a tremendous growth in the supplies and sales of supplements. However, food supplements are at risk from contamination on a global scale with illegal ingredients.

According to a team of experts from Queen's University Belfast, Kingston University and the Government Chemist at LGC that included Emeritus Professor Duncan Burns, Dr Michael Walker and Professor Declan Naughton, many food supplements contain hidden pharmaceutical ingredients that could be causing serious health risks.

Their research, outlined in a peer-reviewed paper, found that over-the-counter supplements – commonly advertised to treat obesity and erectile dysfunction problems – are labelled as fully herbal but often include potentially dangerous pharmaceutical ingredients, which are not listed on the label.

Professor Burns, Queen's University, explained:

Our review looked at research from right across the globe and questioned the purity of herbal food supplements. We have found that these supplements are often not what customers think they are – they are being deceived into thinking they are getting health benefits from a natural product when actually they are taking a hidden drug.

These products are unlicensed medicines and many people are consuming large quantities without knowing the interactions with other supplements or medicines they may be taking. This is very dangerous and there can be severe side effects.

Health consequences

The research raises serious questions about the safety of slimming supplements (Sibutramine, withdrawn from license in 2010) and undeclared ingredients in erectile dysfunction supplements (Tadalafil, sulfoildenafil). These ingredients can react with other medications, for example those containing nitrates, and cause serious health problems.

Professor Burns noted:

This is a real issue as people suffering from conditions like diabetes, hyperlipidemia and hypertension are frequently prescribed nitrate containing medicines. If they are also taking a herbal supplement to treat erectile dysfunction, they could become very ill.

Next steps

The research paper describes the laboratory methods and techniques that can help with supplement testing in the future to ensure the safety of consumers. It highlights the vital role research and, in particular, techniques like data-mining, can play in informing regulators about current trends in supplement contamination.

Dr Michael Walker commented:

The laboratory tests we describe in our paper will assist regulators to tackle this problem proactively to protect consumers and responsible businesses.

Professor Declan Naughton explained:

This is very important to ensure effective testing strategies and, ultimately, to help keep the public safe.

The research described has been published by the Journal of the Association of Public Analysts (online) and can be accessed [here](#).

[It's about time Justice Secretary Truss stopped mud-slinging and took responsibility – Richard Burgon](#)

Richard Burgon MP, Labour's Shadow Justice Secretary, responding to Justice Secretary Liz Truss's speech at the Centre for Social Justice, said:

"It's about time Justice Secretary Truss stopped mud-slinging and took responsibility. Liz Truss knows full well it is not and never has been Labour's policy to halve the prison population. Labour's policy is to properly fund

and

run our prison and probation service, make the safety of prison staff a top priority and make society safer by jailing those who are a threat to public safety. Labour will make rehabilitation work.

“Conservatives

in power have made a mess of our prison and probation service and have created

the current prisons crisis. This is dangerous for staff, dangerous for inmates

and dangerous for the public. We await with interest the Prisons and Courts Bill which will hopefully have some of the detail Liz Truss’s White Paper failed to provide.”

Ends

[Press release: Report 02/2017: Collision at Plymouth station](#)

Summary

At 15:34 hrs on Sunday 3 April 2016, the 13:39 hrs passenger train service from Penzance to Exeter collided with an empty train which was already waiting in platform 6 at Plymouth station. The collision occurred at a speed of about 15 mph (24 km/h) and resulted in injuries to 48 people and damage to both trains.

The signaller intended that both trains should share the platform because the empty train was to form a service to London and some passengers from the Penzance service were expected to join it. Lift refurbishment work meant that without platform sharing, passengers would have needed to use the stairs and a subway when changing trains. Permissive signalling arrangements were in place at Plymouth to permit two trains to share the same platform.

The signaller misjudged the amount of space available behind the London train and wrongly believed there was room for the Penzance train. He was aware that the platform sharing arrangement required an unusual form of permissive working, but did not communicate this to the Penzance train driver, and the rules did not require him to do so.

The Penzance train driver incorrectly believed he would not be sharing a platform with the London train. There was insufficient distance to stop his train by the time he realised his mistake and had applied the emergency brake.

Great Western Railway, the operator of both trains, and Network Rail the

owner of the infrastructure, had not identified the risk of a collision due to the combination of an unusual form of permissive working, the track alignment on the approach to Plymouth station, and an inexperienced driver.

Recommendations

The RAIB has made three recommendations. The first, addressed to Great Western Railway and possibly also relevant to other train operators, seeks improvements to the training and assessment of new drivers. The second, also addressed to Great Western Railway and possibly relevant to other train operators, arises from difficulties encountered during passenger evacuation and seeks improvements to emergency door release controls. The third recommendation, addressed to Network Rail and to be undertaken with the assistance of appropriate train operating companies, seeks a review of permissive working arrangements at stations.

Two learning points stress the care needed by drivers when undertaking permissive moves, and the value of preventing passengers boarding or alighting from trains when permissive movements are taking place in the same platform.

Simon French, Chief Inspector of Rail Accidents said:

This collision caused great distress to the large numbers of passengers and staff involved, particularly those who suffered injuries. It occurred when a train was routed into a platform that was already occupied by a stationary high speed train. This form of train working, known as permissive platform working is not unusual on the UK's busy network and is usually performed safely. Platform sharing allows trains to be joined together or, as was intended in this case, can facilitate the easy movement of passengers between connecting train services.

This accident reinforces the need for drivers to take great care when signalled into an occupied platform – assumptions should never be made about the length of platform that is unoccupied. This learning applies to all drivers but is particularly applicable to those who are inexperienced or new to a route. For this reason we have today issued a recommendation to Great Western Railway concerning the training and assessment of new drivers to better prepare them for permissive platform working. I am also urging other train operators to think about how well they prepare their drivers for similar circumstances.

Although the RAIB recognises the need for permissive working in station platforms, we have recommended that Network Rail, in conjunction with train operators, carries out a review of the way it is implemented at all stations where permissive platform working is currently authorised. This should include an assessment of a range of risk factors, including the information provided to the signallers when deciding whether or not to route a train into an

occupied platform.

Notes to editors

1. The sole purpose of RAIB investigations is to prevent future accidents and incidents and improve railway safety. RAIB does not establish blame, liability or carry out prosecutions.
2. RAIB operates, as far as possible, in an open and transparent manner. While our investigations are completely independent of the railway industry, we do maintain close liaison with railway companies and if we discover matters that may affect the safety of the railway, we make sure that information about them is circulated to the right people as soon as possible, and certainly long before publication of our final report.
3. For media enquiries, please call 01932 440015.

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[News story: Berlin Embassy reception for Edinburgh International Film Festival](#)

The British Embassy Berlin this week [10 February 2017] hosted this year's Berlinale reception to celebrate the 70th anniversary year of the Edinburgh International Film Festival (EIFF).

Scottish Secretary David Mundell and British Ambassador to Germany Sir Sebastian Wood held the event at the embassy for the first time. The reception is key to engaging the world's film industry in Edinburgh's film festival. The EIFF runs from 21 June to 2 July in the city.

David Mundell said:

This is a momentous year for the EIFF, as it celebrates its 70th anniversary. It focuses the world's cinema industry on Scotland, while showcasing some of the most interesting and entertaining

films in the world.

I am very pleased that the UK Government hosted EIFF's Berlinale reception at the British Embassy. The world's film industry will be gathered in Berlin, making it a great opportunity to show off this year's EIFF. I hope that many will be able to join us in Edinburgh for the festival in June.

Sir Sebastian Wood said:

This evening we are celebrating two major international film festivals: the Berlinale and the Edinburgh International Film Festival (EIFF). In its 70th anniversary year, the EIFF will no doubt have a particularly exciting programme on offer this summer. So I am delighted to be able to welcome the Secretary of State for Scotland, David Mundell, among our guests here in the Embassy this evening.

It is also great to see Danny Boyle's 'T2 Trainspotting' have its international premiere in Berlin – hopefully the sequel will be just as successful as its predecessor.

Edinburgh's festivals are hugely important in economic terms, as well as putting Scotland and the UK on the international cultural map. In 2015 it was estimated that the Edinburgh festivals generated £313m of additional expenditure in the Scottish economy.

While in Berlin Mr Mundell also met the Aberdeen-based James Hutton Institute at the Fruit Logistica agri show, and met academics from the Freie University to hear about their partnership with Glasgow University.

Mr Mundell was in Berlin on the second day of a two-day programme of European engagements on economic, social and cultural matters.