

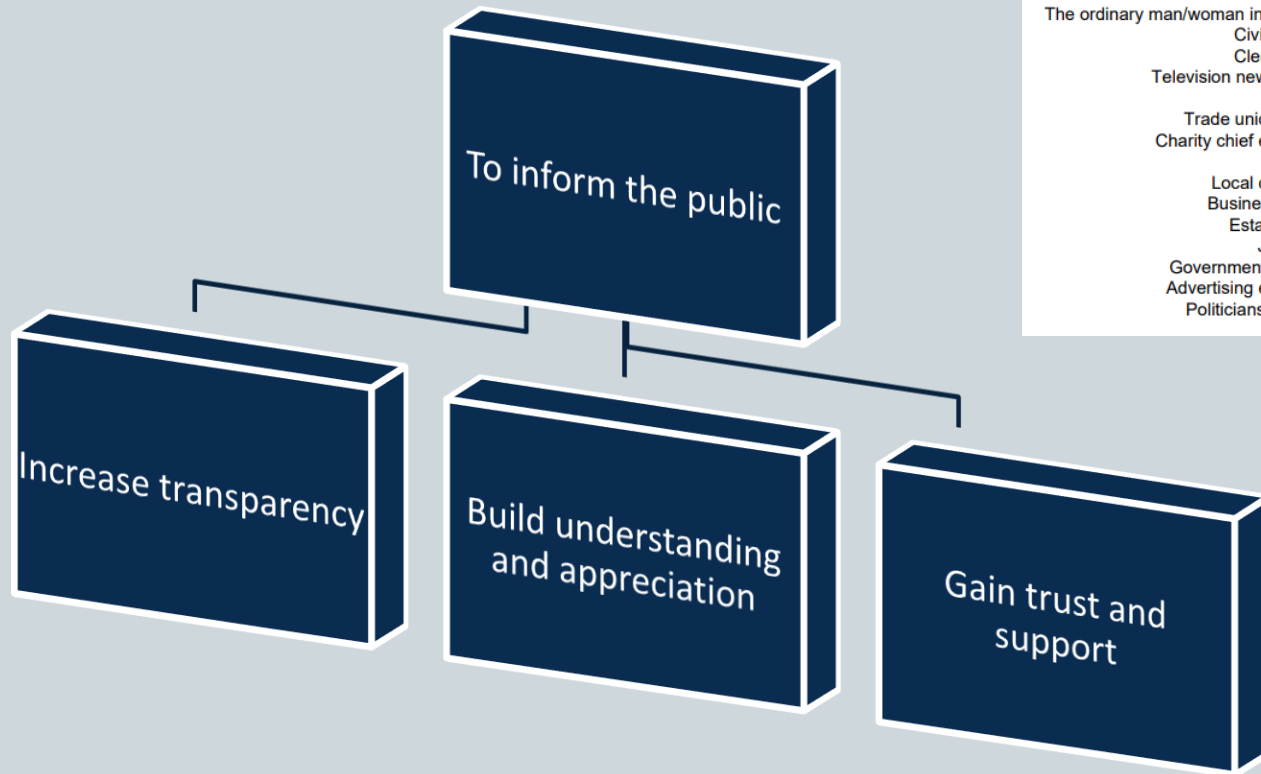
# Outreach and Engagement as a student.

Ella Hubber



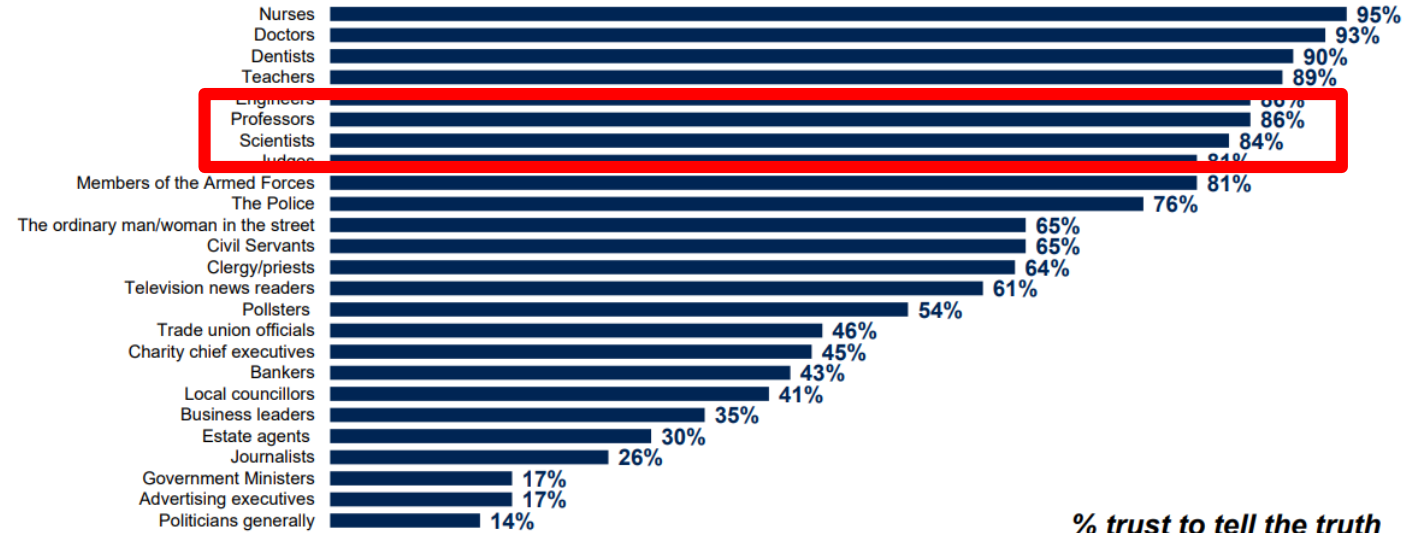
**Diabetes  
Research  
Group**

# Why is Public Engagement important?



## Veracity Index 2019 – all professions

“Now I will read you a list of different types of people. For each would you tell me if you generally trust them to tell the truth, or not?”



% trust to tell the truth

# MMR safe? Baloney. This is one scandal that's getting worse

**S**INCE Dr Andrew Wakefield first triggered the furore over a possible link between autism, bowel disease and the measles, mumps and rubella triple jab in 1998, the controversy has not died away. Now a study by respected Cochrane library has said, on the basis of 31 pieces of research into the possible side-effects of MMR, that it found no association between MMR and autism. Cue a frenzy of gloating. Wakefield's enemies, denunciations of those in the newspaper who took concerns seriously and that we apologise for creating what left children unvaccinated.



way to do so is to conduct large-scale clinical trials, which the Government has consistently refused to do. Hopes of examining the existing clinical evidence were pinned on the legal case being brought by parents claiming compensation on behalf of children said to have been damaged by the vaccine. But this case foundered when the

**How to eat, drink and stay healthy**

yourhealth starts page 31



**12 DAYS OF CHRISTMAS CHAOS IN BA STRIKE**  
SEE PAGE SEVEN

# 100 REASONS WHY GLOBAL WARMING IS NATURAL

'No proof that human activity is to blame'



# CANCER DANGER IN BACON

Eating processed meat is as bad as smoking

**REGULARLY** eating bacon, burgers, sausages or ham causes bowel cancer, health chiefs revealed yesterday. The stark warning was issued by the World Health Organisation, by Mark Reynolds after scientists officially linked cancer with eating processed meats for the first time. Foods like hot dogs and bacon will now be placed in the same category as plutonium and smoking as things that definitely cause cancer. And medics are now urging us to ditch our BLTs, replacing them with the likes of a bean salad. After

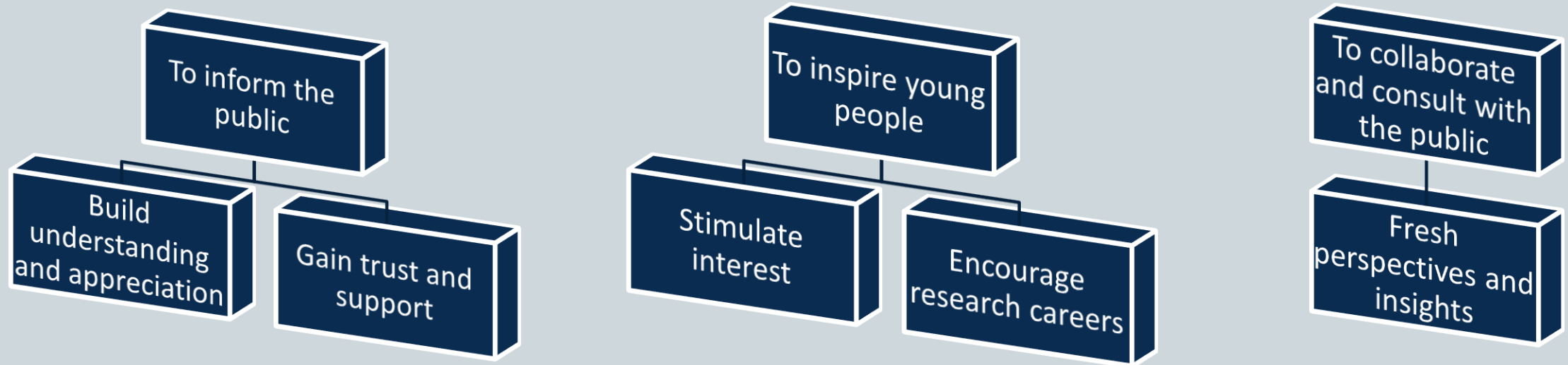
**CORONAVIRUS: MORE THAN A FIFTH**

**OF PEOPLE IN ENGLAND BELIEVE**

**COVID-19 IS A HOAX**

Those who believe conspiracies are less likely to comply with social-distancing guidelines, scientists say

# Why is Public Engagement important?



# My Experience



Royal Society of Biology  
@RoyalSocBio

The recipient of our Outreach and Engagement Award for New Researcher is [@EllaHubber](#) from [@KingsCollegeLon](#) for her amazing islet transplantation hands-on activity. Well done Ella! Listen as she talks more about her work [#RSBawards](#) [#BiologyWeek](#)



# GREY'S ANATOMY

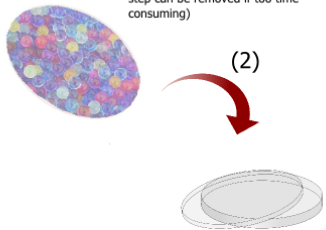


# Building It

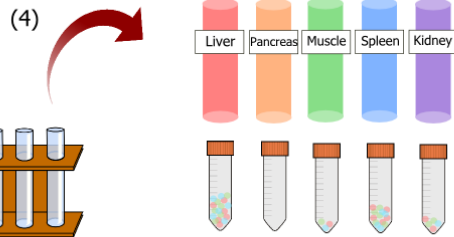
(1)

(1) The activity will begin by briefly explaining what an islet is i.e. "Islets are clusters of cells found in the pancreas. There are many cell types in an islet and one important cell type are beta cells which produce insulin and maintain normal blood sugar levels. In type 1 diabetes, the beta cells in the islets are destroyed the patient's immune system. Transplanting islets into patients can treat T1D - islet transplantation is suitable for individuals who experience severe low blood glucose (hypoglycaemia) and/or very poor blood glucose control"

(2) Participant removes islets (polymer balls) from a pancreas (balloon) with forceps and places them into a petri dish to represent islet isolation. (This step can be removed if too time consuming)



(4) Transplantation routes are represented by different coloured tubes which lead to a falcon tube at the bottom. Test tubes with islets will be poured into the tubes chosen. Not all coloured tubes will have open holes at the bottom and some holes will be smaller, so fewer islets pass through. This represents the different efficiencies of different routes.



(3) Participant chooses 3 or fewer "transplantation routes" (i.e. the route that islets are delivered into the patient's body) and separates islets into test tubes depending on how many they want to put into each route.

(5) The islets that made it to the falcon tubes will be weighed and the person with the greatest weight will be put on a leader board.



# Testing It Out





# Taking it Out



New Scientist Live

SfE BES 2019 Conference



Evelina Inspiring Youth Conference



# Funding:



## Universities:

- UCL Beacon Bursaries up to £1000
- Imperial Social Engagement Seed Fund up to £2000
- Queen Mary public engagement small grants up to £1000

## Learned Societies:

- RSB Outreach and Engagement Grant Scheme up to £500
- Royal Society Chemistry up to £2000
- Institute of Physics up to £3000
- The Physiological Society up to £500
- The Royal Society up to £3000

Charities (e.g. Wellcome Trust) +  
Research Councils (e.g. STFC)

## Applications:

- Aims and objectives
- Audience
- How will your audience benefit?
- How will you benefit?
- Timeline
- Costing
- Evaluation

# Public Engagement and Outreach Departments




The University Of Sheffield.

## Partnerships and Regional Engagement

Home > Partnerships and Regional Engagement > Public Engagement

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The University of Manchester

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## Events and public engagement



- Staff home
- IT and online services
- Learning and teaching
- Administrative services
- Research
- Supporting students
- Working at York
- Finance



### An engaged university

At Manchester, public engagement means the many ways we **share** ideas and research; **inspire** discussion, debate and creativity; and **involve** the public with our work.

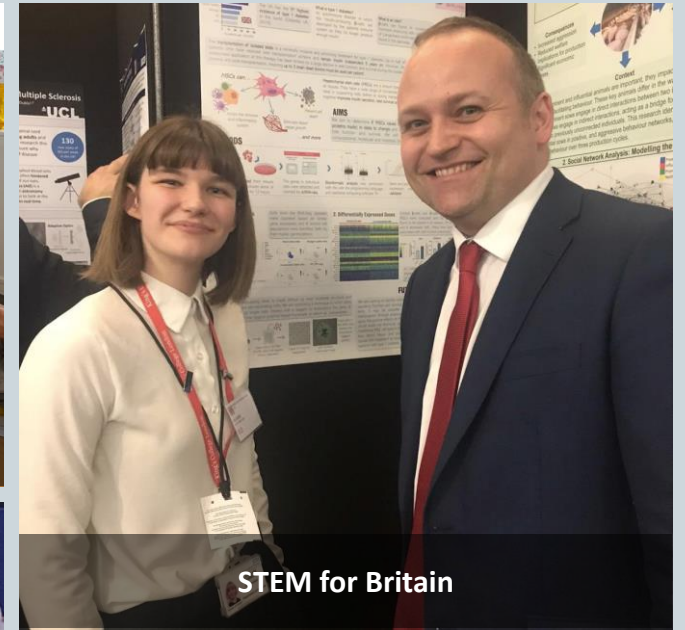
# Getting Involved



Cancer Survivor's Day



Stich and Stem: Embroidery Workshop



STEM for Britain



Sci-Fi Festival Panel



Speaker @ Evelina

**StemCells@Lunch Digested**  
Education  
★★★★★ 5.0 • 2 Ratings  
[Listen on Apple Podcasts](#)

13 OCT 2020  
**Episode 120 - Prof S**  
Prof Salvador Aznar Benitah interviewed by PhD student  
molecular pathways that di

122 episodes **SC@L Podcast** [PLAY](#) 23 min



**Darrion Nguyen** @lab\_shenanigans · Sep 2

when the p-value is less than 0.05



23

1K

7K



**Royal Society of Biology** @RoyalSocBio · 1h

Get creative and submit a drawing, collage or sculpture for our BioArtAttack 2020 competition: [buff.ly/2Cq38BQ](https://buff.ly/2Cq38BQ)



### BioArtAttack is back!

Get creative and start making some biology masterpieces as part of this year's BioArtAttack competition!

Entries will be judged on the variety of materials and skills used, originality, and how well your model captures your chosen subject matter.

Anything and everything creative is eligible for submission, just send us photos of your amazing art!

Entries close 30 November 2020

[rsb.org.uk/bioartattack](https://rsb.org.uk/bioartattack)



## Black In Neuro 2020 Mini-Conference October 31-November 4



Following

### Black In Neuro (#BiNConference2020 Oct 31-Nov 4!)

@BlackInNeuro

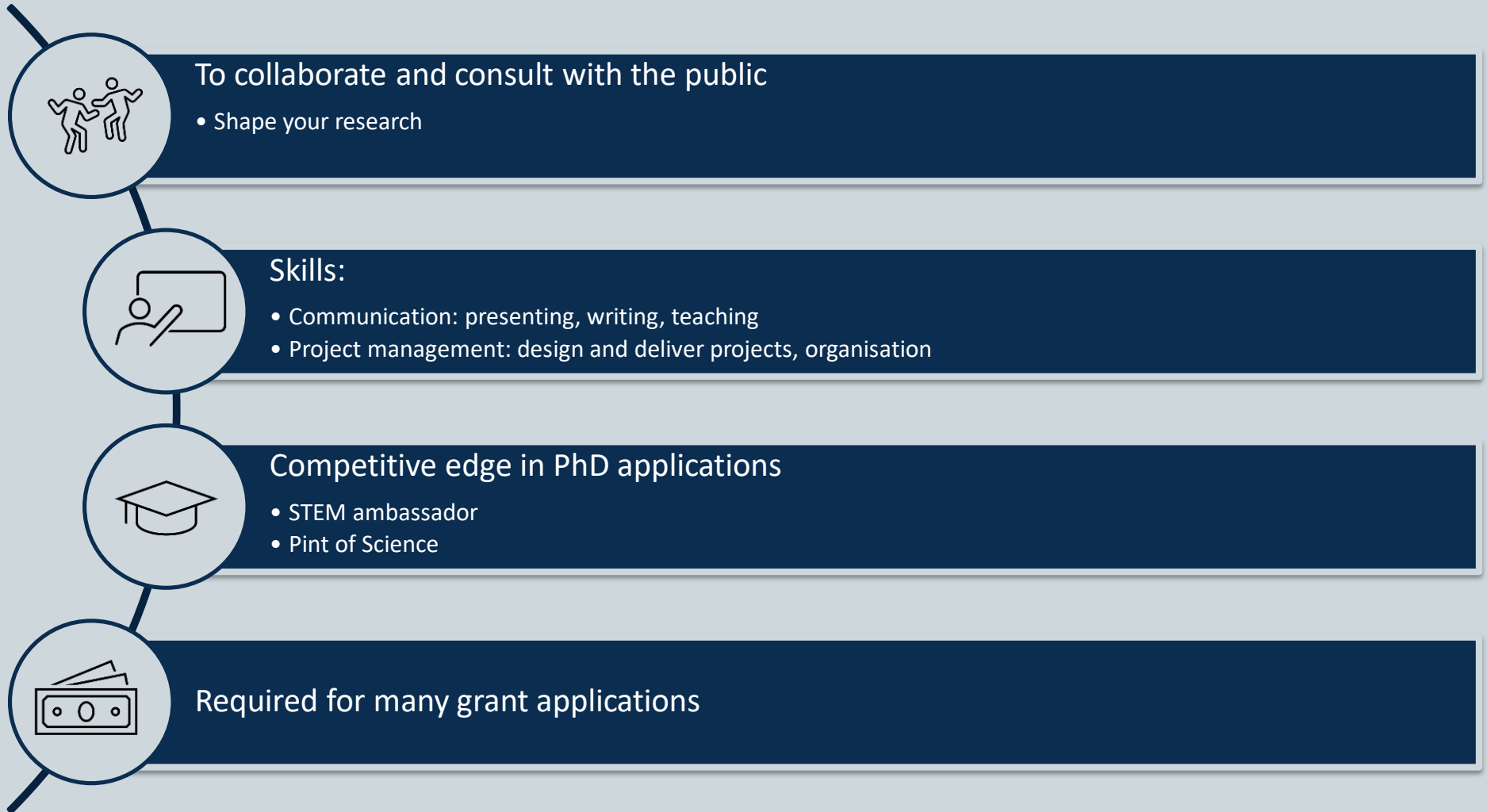
Highlighting Black excellence in neuro 🧠

See website for #BlackInNeuro profiles & events!

Check out our friends @blackinphysics and @BlackWomenInAI this week!

[blackinneuro.com](https://blackinneuro.com) 📅 Joined July 2020

# Benefits of engaging with the public



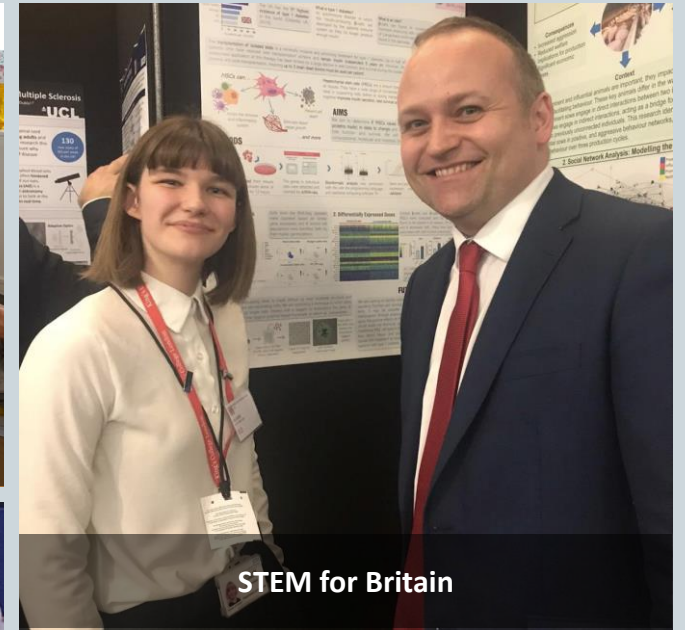
# Too much to handle?



Cancer Survivor's Day



Stich and Stem: Embroidery Workshop



STEM for Britain



Sci-Fi Festival Panel



Speaker @ Evelina

**StemCells@Lu**  
StemCells@Lunch Di

Education  
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interviewed by PhD student  
molecular pathways that di

122 episodes **SC@L Podcast** [PLAY](#) 23 min

# Thank you for listening.

**Need help? Contact details:**

ella.hubber@kcl.ac.uk

@ellahubber 