



St John Bosco
ARTS COLLEGE

3rd September 2025

Dear Parent/Carer

British Science Festival

Your child has been invited to attend a talk at the **British Science Festival** at Liverpool John Moores University on **Thursday 11th September 2025**.

The talk, "*Synthetic antibodies: from snakebites to Covid-19*", will be delivered by **Dr Alex Baker (University of Warwick)**. Dr Baker's research focuses on antibodies - the protective proteins that fight against disease and toxins - and how synthetic versions can be designed using chemistry and machine learning. During the Covid-19 pandemic, he worked with the NHS to help develop the lateral flow tests that became a vital tool in schools, workplaces, and homes.

Students will not only hear about his research but also take part in an interactive demonstration where they will deconstruct and rebuild a lateral flow test, learning how they work, their benefits, and their limitations.

This opportunity links directly to A-level Biology and will give students valuable enrichment outside the classroom, as well as insight into university-level research and scientific careers.

We will leave school at 11am, to be back at school by 2 p.m. Your child will be required to bring a packed lunch or if on free school meals can be provided on by the school.

Yours sincerely

J Houghton

Mrs J Houghton
Science Department

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To: Mrs Houghton, St John Bosco Arts College

Name of child:

*I would/would not like my child to attend the synthetic antibodies talk

I* do/do not require school to provide lunch

* *please delete as appropriate*

Please give details of any medical/dietary requirements we need to be aware of below:

Signed:

Name:

[Parent/Carer]

Date:



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