**Back from the Dead: penicillin and the crisis of AMR**

*Study day for KS5*

**Friday 16th March 2018**

An enrichment study day linked with the special exhibition *Bioart and Bacteria* of artwork created by internationally renowned bioartist Anna Dumitriu drawing on contemporary science in the field of antibiotics and microbiology. The programme will include workshops about the amazing story of the development of penicillin in wartime Oxford, the rise of antimicrobial resistance in modern medicine, and challenge to modern scientific research. Students will meet researchers and enjoy hands-on activities.

**Programme [subject to confirmation]**

9.30-9.45  
*Welcome and introduction*

9.45-10.15  
*Penicillins remain the most important antibiotics*  
Dr Mike McDonough, Department of Organic Chemistry, University of Oxford

10.15-10.45  
*Why is antibiotic resistance such a big challenge?*  
Professor Angela Brueggemann, Nuffield Department of Medicine

10.45-11.05  
*Break – refreshments*

11.05-11.35  
*From Lab to Marketplace: An Industry Perspective*  
Dr Czaplewski, Chemical Biology Ventures Ltd

11.35-12.05  
*Q&A session*  
Students will be invited to put their own questions to members of the panel

12.05-12.40  
*Lunch (please bring packed lunch)*

12.40-2.15  
*Practical activities and exhibition tours:* Students will rotate between activities facilitated by university researchers and exhibition tours

2.20-2.30  
*Plenary and feedback*

**Booking and information:**christopher.parkin@mhs.ox.ac.uk, tel: 01865 277297  
**Charges:** £5 per student