UK STEM LECTURE TOUR 2016

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# University of Kent

## **Institutional Profile**

One of the UK’s top universities, the University of Kent offers you a superb academic environment, world-leading research, stunning study locations and a fantastic student experience. With a global reputation for excellence – Kent is in the top 10% of elite universities for international outlook (THE), and among the top institutions in the QS World University Rankings by Subject – you can be confident of an education to be proud of and an experience to remember.

All of our academic schools produce world-class research, many subject areas are ranked within the UK top ten, and we have some of the most satisfied students in the country. We are ranked 17th in the UK for research intensity (Research Excellence Framework) and because our academics are engaged in world-class research as well as teaching, you study with some of the most influential thinkers in your field.

We offer a wide range of foundation, undergraduate and postgraduate degrees, exciting study abroad and year in industry opportunities, summer schools, and a generous scholarship fund including awards for academic, creative and sporting excellence.

If you don’t yet have the required qualifications or level of English language, we offer a range of flexible pre-sessional courses and the International Foundation Programme (IFP) to enable you to progress to your chosen degree. Free English lessons are also available during your studies.

The UK’s European university, Kent has stunning UK campuses close to London, and specialist centres in Paris, Brussels, Athens and Rome. Each offers a safe, welcoming and vibrant environment for your studies.

Find out more at [www.kent.ac.uk/internationalstudent](http://www.kent.ac.uk/internationalstudent)

## **Faculty Profile**

The School of Biosciences at the University of Kent is a leading UK centre for education and research within the biological sciences. Focusing on understanding fundamental cellular processes and with applications in biotechnology, healthcare, pharmaceutical development and infection control, the School was ranked 7th in the UK for research intensity in REF 2014. Research and innovation, coupled with an international outlook and strong industrial links, underpin our excellent and popular undergraduate and postgraduate programmes. The School of Biosciences has been ranked in the top 10 for overall satisfaction in the National Student Survey for each of the last 3 years.

## **Lecturer’s Bios**

Dr. Dan Lloyd is a member of Faculty in the School of Biosciences at the University of Kent. After undergraduate studies at the University of York, Dr. Lloyd completed his PhD at the Institute of Cancer Research followed by postdoctoral research at Stanford University. Dr. Lloyd's research has focused on DNA stability and its relevance to cancer, most recently in developing targeted cancer therapeutics. He was awarded a National Teaching Fellowship by the UK Higher Education Academy - the most prestigious award for teaching in higher education in the UK. A passionate advocate of the communication of science, Dr. Lloyd has worked with historians, artists and musicians on wide-ranging public engagement initiatives.

## **Lecture Abstract**

**Title:** Global challenges: opportunities for collaboration and research in the molecular biosciences

The UK Government has committed to spending 0.7% of gross national income to "Official Development Assistance". As part of this commitment, a major opportunity for international research collaboration in the biological sciences area has emerged: the Global Challenges Research Fund (GRCF), a £1.5 billion scheme supporting world-leading research that addresses international development challenges. With research strengths in biotechnology, infectious diseases, bioinformatics, diagnostic development, reproductive technologies and cancer among other areas, the School of Biosciences aligns closely with many GRCF priorities. The UK's Biotechnology and Biological Sciences Research Council (BBSRC) will be a key mediator of the scheme over the next 5 years, and as one of the most successful academic departments in the UK in terms of BBSRC application success rates, the School of Biosciences is developing research strategy in line with GRCF funding opportunities. The School has several existing collaborations in OECD Low and/or Middle Income Countries (LMIC) countries, including in South East Asia, on research programmes that address development challenges of regional significance. This lecture will present some individual case studies that highlight our alignment with Global Challenges priorities, and will provide institutions with ideas for potential research collaboration.

**Target audience:** Biotechnology, infectious disease, diagnostics, cancer, therapeutics, healthcare