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***Universitas 21* Health Sciences Summer School**

**College of Medical and Dental Sciences,**

**University of Birmingham**

**22nd July to 2nd August 2019**

**“Antimicrobial Resistance (AMR)   
and Stewardship (AMS)”**

**APPLICATION PACKAGE FOR STUDENTS**

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**PROGRAMME OVERVIEW**

**The central theme of this Summer School is**

**“Antimicrobial Resistance (AMR) and Stewardship (AMS)”**

The academic focus of this U21 Health Sciences Group Summer School will address one of the most important global issues affecting healthcare – namely Antimicrobial Resistance. Antimicrobial resistance (AMR) threatens the effective prevention and treatment of an ever-increasing range of infections caused by bacteria, parasites, viruses and fungi. AMR is an increasingly serious threat to global public health that is increasingly being given attention across all government sectors and society. Given the fact that all healthcare professionals potentially interact with patients with infections and may be involved with antimicrobial treatments, the Summer School should be applicable to all health sciences students.

The Summer School will take a multidisciplinary approach to teaching and learning, with collaborative learning groups working together throughout the meeting. The issue of AMR will be approached in a variety of ways, from a range of perspectives, including the history of infectious disease, public health issues, global infectious disease issues, antibiotic drug development, antimicrobial treatment protocols, and prudent prescribing. As well as Antimicrobial Resistance (the ‘problem’), the latter half of the meeting will aim to look at Antimicrobial Stewardship Principles (one of the ‘solutions’).

## **Focus**

**The course will be suitable to ALL HEALTH SCIENCES disciplines covering proactive, preventative, curative and rehabilitative outcomes.**

The Summer School will be two weeks in length, providing an opportunity for 10 days of face-to-face learning and additional experiences. A range of learning opportunities will be offered including keynote lectures, workshops, problem-based learning, simulation, practical laboratory sessions, and collaborative self-directed sessions. The keynote lectures will provide essential information on the core learning objectives of the Summer School. We will engage national and regional experts in relevant areas as lecturers, workshop facilitators and mentors.

Students will be assigned to a team, which they will work with for the duration of the Summer School. Each team will be required to work on different cases which they will present to their peers and to a group of teachers/experts.

In between these lecture-style learning opportunities, students will engage in a range of team-based activities in the form of workshops, short presentations, self-directed learning, as well as practical work in our laboratories. We will engage international experts in relevant areas as lecturers, workshop facilitators and mentors.

## **Learning Outcomes**

After the completion of the Summer School, students should be able to:

* Explain how antimicrobial resistance has arisen and understand key concepts by which resistance develops in bacteria, parasites, viruses and fungi
* Appreciate the importance of Antimicrobial Resistance as a threat to healthcare sustainability
* Understand the need for coordinated action to minimize the emergence and spread of antimicrobial resistance
* Describe common infectious disease which threaten human health especially those caused by multi drug resistant organisms
* Demonstrate an understanding of antimicrobial stewardship principles and their use in practice

## **Certification**

On successful completion, each participant will be given a certificate of attendance that will include the total notional hours that were completed by attending this Summer School. This certificate will also indicate the topical curriculum areas covered during the course and will enable participants to request credit at their own institutions, where applicable.

## **Learning opportunities**

The Summer School will be held in the College of Medical and Dental Sciences of the Univeristy of Birmingham. It will bring educators and researchers from all Institutes of the College and will include cutting edge state of the art research findings.

All these have experience and on-going research regarding Antimicrobial Resistance (AMR) and Stewardship (AMS) and will be supportive of this Summer School. Students will learn a number of key things from these experts including issues around the use and misuse of antimicrobials. Students will learn about the far reaching problems that need to be solved to ensure future generations have access to effective antimicrobials

## **Facts**

* Walking distance ( 5 minutes) between accommodation and lecture building
* Saturday - will include an excursion included in the programme fee
* Sunday - students will be free to explore Birmingham and the surrounding area on their own at their own cost
* Up to 45 students can participate
* The period of the Summer School will be summer season in Birmingham and we are hoping for good weather. It is also the season for the Summer sport of Cricket. We will be organising a cricket game so that you get to know the rules of this quintessentially English summer game.

## **This Course is For**

## Students from dentistry, pharmacy, nursing, midwifery, nutrition, medicine, public health, physiotherapy, occupational therapy, speech pathology, audiology, optometry.

## Students from U21 Health Sciences Group member universities

* Students who have at least completed their first year of undergraduate study.

**COSTS, SCHOLARSHIPS and APPLICATION PROCESS**

Costs

1. Cost of Programme: $800 USD per student participant which includes: accommodation, transport for excursions, catering (breakfast, lunch during weekdays, morning and afternoon tea during weekdays, and some dinners), cultural activities, registration, certification and materials.
2. Student participants are responsible for costs for lunch during the weekend, some dinners and other costs including airfare to and from Birmingham, ground transport to and from the airport, visas, insurance and any other associated costs. (The College of Medical and Dental Sciences will assist with Visa applications)

**U21 Health Sciences Summer School Scholarships**

**The Universitas 21 Health Sciences Group** is pleased to be able to offer one student scholarship for every institution within the network towards their participation in the Summer School. The scholarship will be between $500 and $700 USD depending on their location. Students may apply for this scholarship on the main summer school application form. Students will be informed if they have been selected for this scholarship shortly after their acceptance to the programme has been disseminated. Students will be selected for the scholarships by their U21 Health Sciences Group Summer School University Representative.

Application process

* 1. Students contact their home institution U21 HSG Summer School contact to receive the application form.
  2. Students complete the application form and submit it to their home institution, together with the required supporting documentation. Each institution is responsible for defining their own internal deadline and for informing students
  3. Each institution will select up to 5 students and submit their nominees’ applications to the University of Birmingham by **Monday 4th March 2019**.
  4. Students will be informed if they have been selected by **Monday** **25th March 2019**.
  5. Students who have been selected for the Scholarship will be informed by **Friday 5th April 2019.**
  6. Students must confirm their participation by **Friday 26th April 2019.**

Contact information

For queries about the Summer School programme, please contact:[u21hsgsummerschool@contacts.bham.ac.uk](mailto:u21hsgsummerschool@contacts.bham.ac.uk)

For general queries please contact:  
[u21health@gmail.com](mailto:u21health@gmail.com)

Please visit http://u21health.org/2019-summer-school/ for more information.

***Universitas 21* Health Sciences Summer School**

**University of Birmingham**

**22nd July – 2nd August 2019  
APPLICATION FORM**

PERSONAL DATA

Home Institution:

First and middle names (as written in your passport):

Last name (as written in your passport)

Student ID number:

Email address:

Programme enrolled in (e.g. Bachelor of Nursing):

Year of study (during the Summer School):

QUESTIONS

1. What is your motivation for applying to the U21 Health Sciences Group Summer School on “Antimicrobial Resistance (AMR) and Stewardship (AMS)”?

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| Please type your answer here (200 words max). |

1. What is your current understanding or academic experience (such as taught modules or clinical practice) of: “Antimicrobial Resistance (AMR) and Stewardship (AMS)”?

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| Please type your answer here (200 words max). |

1. How do you envisage that your participation in the programme will benefit your academic and personal development?

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| Please type your answer here (200 words max). |

1. Please provide an example of any previous experience you have had engaging with students from other academic disciplines.

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| Please type your answer here (200 words max). |

1. Please explain why you would be an excellent representative of your home university and your country if selected.

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| Please type your answer here (200 words max). |

SUPPORTING DOCUMENTATION REQUIRED

Please note that you must also submit the following supporting documentation:

1. Copy of academic transcript (unofficial is acceptable)
2. Statement of endorsement from Head of Department/School/Unit

ADDITIONAL QUESTIONS FOR APPLICANTS TO THE U21 HEALTH SCIENCES GROUP SCHOLARSHIPS

If you wish to be considered for one of the U21 Health Sciences Group Scholarships of $500 - $700 USD please complete the additional two questions.

1. Why do you feel you are deserving of the U21 Health Sciences Group Scholarship?

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| Please type your answer here (250 words max). |

1. Describe how you would fund the Summer School if you were not awarded the U21 Health Sciences Group Scholarship of $500 - $700 USD? E.g.: access to other funding opportunities, self-funding, etc.

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| Please type your answer here (250 words max). |

**TERMS AND CONDITIONS FOR STUDENTS**

The following conditions must be adhered to as a representative of your home institution while on a U21 HSG programme. These are to ensure that your experience overseas is enjoyable and that the integrity of the program is maintained. Please read carefully.

If I am selected for one of these programmes I agree:

1. To abide by all rules, regulations, policies, laws and reasonable requirements of both Lund University and my home institution while attending the program.
2. That I will be liable for the registration fees and all associated fees for this programme.
3. I have appropriate English language skills to participate in the programme, which will be conducted in English.
4. To make arrangements for travel and health insurance cover for the duration of my trip.
5. To act as a representative of my home institution.
6. That if I am subsequently charged in a criminal offence or am subject to disciplinary action under the Disciplinary Statute in my home institution regulations, I understand that I must bring this to the attention of my home institution immediately and also that my application may be terminated.
7. That if I am successful in my application and it is subsequently discovered that information I have provided is not complete, accurate and correct or I have failed to disclose information, my application may be terminated.

I understand that failing to comply with any of the above conditions can result in my program being terminated.

I agree to these Terms and Conditions.

Signature of the student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of the student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_