# Call for Open-access Online Course: AMR – A One Health Agenda and Public Health Response

## Program Background

The World Health Organization (2016), amongst other organizations, makes clear the urgent need to increase the availability of effective public and professional education on a One Health Response to Antimicrobial Resistance (AMR). This highlights the need for true involvement and incorporation across disciplines, contexts and geography.

## Partnership

The University of Manchester (UoM), together with the International Pharmaceutical Students' Federation (IPSF) and the International Student One Health Alliance (ISOHA) is offering the opportunity to participate in the development of an open-access online course on a One Health approach to AMR. **All affiliated professionals and students** directly related to core aspects of the *One Health response and Antimicrobial Resistance* (**Pharmacy, Midwifery, Nursing, Dentistry, Medicine, Veterinary Medicine, Agriculture, Environment, Ecology, Sustainability, Public Health, Health Policy and others of relevance) may apply**. This includes but is **not restricted** to members of the International Federation of Medical Students' Associations, International Association of Dentistry Students, International Veterinary Students' Association, International Pharmaceutical Students' Federation, International Student One Health Alliance or students or professionals outside of these associations but studying or working in a subject relevant to this project.

This is a new and exciting opportunity for up to three cohorts of teams consisting of up to **five interns** per cohort, who will make a **significant contribution** to co-produce and deliver an **amazing** free, fully open-access online course, to increase professional and public education with respect to antimicrobial resistance. Together the interns and associated partners **can make a real impact** in reducing this global crisis.

## The Project in Brief

The project partners are developing **a new and exciting** programme of education on the One Health response to AMR. This will be in the format of one or more free, open-access online course(s), in the style of a Massive Open Online Course (MOOC). We are forming a team approach with up to three cohorts of **five interns** to work with the project working group (Roger Harrison, University of Manchester and Executive Committee from IPSF and ISOHA)**.** Collectively, **this will be a team approach, and everyone will have a key role** in developing this new course(s), which will then be available for anyone around the world for free. The course(s) will be targeted at participants who have received higher education, as its priority is to enhance student-professionals on this topic. In the future and depending on the success of the initial course, it may be possible to translate the course into different languages, and this would be announced in a different Call for possible internships in the future.

## Intern Cohorts

The online course(s) will be designed across t**hree main themes**, consistent with the One Health response to AMR. These will be:

- "**AMR and People**";
- "**AMR in Agriculture and the Food Supply**";
- "**AMR in the Environment**".

Therefore, *three cohorts of up to five interns each*, will be recruited in succession. **The first cohort of interns will be for 'AMR and People'.**

It is vital that the One Health response is integrated across all the three core themes noted above. Therefore, we emphasize the need to create diverse teams, and the aim is to have interns from different professional programmes **in each** of the three cohorts being recruited. For example, the cohort working on "AMR and People" **can still include** interns from a veterinary programme, or environmental studies, and so on. **There is no restriction** on the number of cohorts an applicant can apply for. **However, this Call is specific for interns and "AMR and People".** Future calls will be announced depending on the initial success of this programme, and these are likely to be on a 9 to 12 month basis.

## Learning Objectives and Benefits for the Interns

- Experience working with an established team of academics and e-learning technologists, who have provided unique online learning on public health for thousands of students and members of the public since 2004.
- Understanding of pedagogy and the different approaches with respect to online learning.
- Competences including skills and application with respect to course design, creating learning materials, assessments, and student evaluations.
- Extended learning on the One Health Response to AMR to **make a considerable impact** on health professional students' education and subsequent professional practice
- Opportunities to work within a small team of up-to five interns for this project and work with experts as part of the intern process.
- Potential to conduct evaluation and research with respect to the course itself and the learners' experience/impact.
- A **Certificate of Accomplishment** from the three main partners involved, and an **individual report** detailing the intern's contribution, approach, and level of professionalism.
- **All interns contributing to this project will be formally recognised on the course to provide public and professional recognition for their work.**

## Terms and Conditions

*When offering volunteer work for interns, UoM agrees to:*
- Ensure that the volunteer interns are assigned as relevant for the project and at an appropriate level with respect to the interns' existing knowledge, skills and practice.

- Work in a flexible, organic manner giving open opportunities for the interns to be a true member of this team.
- Review progress regularly and provide adequate feedback and coaching/mentoring during the programme.
- Prepare a written report for each intern, including reflection on their contribution, performance, and professionalism.

*By accepting this offer, interns agree to:*
- Commit to working on the project for an average of 5 hour per week over a sustained period of input over a three to six month period. Interns may be offered an opportunity to continue past this point, dependent upon the requirements of the project and their performance.
- Provide input to a new Masters' Unit on the same topic - i.e. sharing knowledge and learning opportunities from the free open-access course to a formal university programme of study.
- Commit with a flexible schedule to working virtually across multiple time-zones. This includes participating in regular (weekly/bi-weekly) online discussions and meetings with the team and contributing with additional communications such as WhatsApp, emails, or similar.
- Conduct themselves at all times in accordance with the standards expected of a person working in an international environment and as expected by the project partners.
- Be open to flexibility in the approach and curriculum as part of the development process for this new course.
- Not disclose any confidential information or any materials to external parties without prior agreement from Roger Harrison.
- Ensure that they **prioritise their formal programme of studies** (i.e. degree/postgraduate) and other duties. The purpose of this internship is to complement, enhance and provide opportunities to excel in other areas of their professional development.
- Understand that **there is no financial reward**, contribution or reimbursement associated with this internship.

## Eligibility Criteria

The intern should:
- Meet the criteria specified in this document, be **highly motivated** and **commit** to the requirements specified above.
- **The intern can lead a small team of their own choosing**, independently recruiting and leading their own small working groups. However, it will be for the intern to manage and support their own team members. A Certificate of Accomplishment will be possible for all team members provided evidence of their contribution is supplied by their own team leader.
- Be at least in the **second year** of study if an undergraduate.
- Have a **hands-on approach**, make direct contributions to the development process, learning materials and other aspects associated with this project.
- Interns **must be highly driven** and confident to work in a small team, across different partners (i.e., University of Manchester and the partnership with IPSF and ISOHA).
- Be able to use Microsoft Office Software (e.g., Word, Excel, Outlook and PowerPoint).
- Have a good command of English (both written and verbal).

## Application Process

The application and selection process will be based on the criteria annexed to this Call (Annex 1). UoM, IPSF and ISOHA will be responsible for the selection of applicants with final approval from Dr. Roger Harrison, UoM. The results of the Internship will be announced by IPSF to all candidates. There are two stages:

- **Stage One** will be based on the information provided by way of an online application form, Curriculum Vitae (C.V.) and Letter of Motivation. All applicants will be notified of the outcome by the 5th of July.
- **Stage Two** will consist of *online* interviews with the project working group. The interviews will be offered at different times to help accommodate different global time zones. We will aim to let applicants know the outcomes of interviews by the 9th of August, or thereabouts.

For Stage One, the following application form must be completed in full, and returned no later than the 11th of June 2021 23:59 (GMT +1).

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**CLICK HERE TO VIEW THE APPLICATION FORM**

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If you have any questions about the programme, please do not hesitate to contact the IPSF Internship Coordinator, Ms Joana Esteves at internship@ipsf.org with the subject line **AMR-INTERN-QUERY.**

## Final Remarks

This is a new partnership project, and as is the production of this course. Therefore some elements are subject to change but within the spirit of this brief as a whole.

# Annex 1

## Selection Criteria

| Domain | Specific Criteria |
|---|---|
| **Knowledge and Experience** | • Received some formal education on core aspects associated with AMR.<br>• Completed an assessed assignment/project or dissertation related to AMR. |
| **Interest & commitment** | • Strong interest in increasing knowledge and understanding of key aspects of this topic.<br>• Highly motivated and driven and demonstrate what they will truly achieve to help others learn about this topic through a One Health approach.<br>• Completed some type of online learning in the past (ideally a free, online course such as a MOOC (e.g. FutureLearn) either formal or non-assessed. |
| **Professional qualities** | • Great **team worker** on a project.<br>• Able to **identify and make direct impac**t on what needs to be done.<br>• Work on their own initiative but as part of a wider team. |
| **Generic skills** | • High standard of written and oral communication skills in English.<br>• Proficient in using Microsoft Office (Word, Powerpoint).<br>• **Produce engaging learning materials** including short videos, podcasts. |
| **Capacity** | • Capacity to incorporate the weekly time commitment into their academic, social, and professional schedule.<br>• Very good access to the internet to be able to create materials and participate in individual and team meetings. |

All applicants will be awarded marks for each section. In most cases, applicants with the highest marks will be invited to interview. However, some consideration will be given to creating a diverse team approach within each cohort, and this will be reflected as part of the selection process.