Scoping Report on antimicrobial resistance in India: Setting the next research agenda

Purpose

Antimicrobial Resistance (AMR) is a major global challenge. As part of its strategy-setting, the Department for Biotechnology (DBT), in partnership with Research Councils UK (RCUK), wishes to commission a team to undertake a mapping report on this topic. The aim will be to identify the major issues and challenges for AMR research in India. This will be an important and high profile activity, and will be used to help determine future research priorities in the area.

Outputs

Outputs from the consultancy would be a report in two sections covering the following:

a) A concise overview of antimicrobial resistance in India.

b) Mapping current Indian Research on antimicrobial resistance. The precise format can be determined by the team undertaking the work but should include:

   i. Narrative summary of the Indian research landscape in AMR, including any particular strengths, and also any key evidence gaps.
   
   ii. List of Research Projects recently completed or ongoing
   
   iii. Key Research Organisations / Individuals undertaking relevant research. In particular the report should categorise what type of research the capabilities of the organisation are in (for example: Public Health, Basic, drugs or diagnostic development).
   
   iv. Commentary on AMR relevant data sources, including any issues with access and availability, as well as data gaps. In particular, the report should include an overview of available surveillance data on:

   - Antimicrobial resistance in Humans
   - Antimicrobial resistance in Livestock, poultry and aquaculture
   - Pharma Industry as source of AMR
   - Sewage as source of AMR

   The mapping should reflect the breadth of potential research on AMR, including both animal and human relevant research, and also research from a range of disciplines, including the biosciences, environmental sciences, arts and humanities, physical sciences, medical sciences and social science. The primary focus should be bacterial resistance. Crop related resistance should not be included.

Timescale

- Expression of interest submissions due: Monday, 5th June 2017
- A short written summary of progress including any key emerging themes: Friday, 14th July 2017
- Submission of final report: No later than Friday, 1st September 2017

Note that the contractor may be required to travel to the UK to attend a meeting with the Research Councils UK and the UK’s AMR research community between 4th and 6th July 2017.

1 Note that the JPI AMR, a collection of European funders of AMR research, is in the process of undertaking an updated mapping exercise on AMR research across Europe. Whilst it may not be feasible to reproduce this exercise in India, it may be helpful to use the categories they have used. For more information on these contact Caroline.Harris@headoffice.mrc.ac.uk
Tender format

EOI should outline:

- A plan for undertaking the work to the timescale above.
- Which individual(s) will undertake the work, including why they are suitable to do so, and a short CV.
- A full budget separated in the amount required for part a) and part b), quoting figures in INR. All relevant taxes should be stated.

Budget and Contractual Arrangements

The work will be funded by DBT and RCUK. Separate contracts will be issued by each organisation; and the estimated cost of proposal should be within INR 16.00 LAKHS. First release will be done by RCUK and second release by DBT, India.

Resources

The team which undertakes this mapping activity may wish to draw on sources below. This is not an exhaustive list:

- Publications and information relating to the Chennai Declaration: http://chennadeclaration.org/
- Public Health and Well-being by Amaltas India, commissioned by RCUK India and the UK Science and Innovation Network http://www.rcuk.ac.uk/documents/india/publichealthandwell-beingbyamaltasindia-pdf/

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