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Society for General Microbiology Note for Parliamentarians

Responding to the challenge of antibiotic resistance

About the Society for General Microbiology

The Society for General Microbiology (SGM) is a membership organisation for scientists who work in all areas of microbiology. It is the largest learned microbiological society in Europe with a worldwide membership based in universities, industry, hospitals, research institutes and schools.

Summary

The Chief Medical Officer recently highlighted the urgent nature of antimicrobial resistance. Undoubtedly, the solution is a complex, and international one; antimicrobial resistance is as much an industrial and innovation policy issue, as it is a health concern. But we believe the problem is tractable given sufficient research effort; with the right approaches, it can be solved. We therefore support moves to develop a cross-sector antimicrobial resistance research strategy that builds on existing initiatives and UK research excellence.

Recommendations for tackling antimicrobial resistance

Actions by Society for General Microbiology

• Continue to highlight the issue of antibiotic resistance among microbiologists, other scientists and the general public through conferences, publications and public engagement.
• Encourage and facilitate conversations between academia and industry, funders and other stakeholders to develop strategies to address the challenges of effective antimicrobials.
• Bring together microbiologists from all sub-disciplines to encourage new approaches in overcoming antibiotic resistance.

Actions by others

• Identify specific funding streams for research on the mechanisms of antibiotic resistance and novel antimicrobial drugs/therapies.
• Government incentives for industrial development of new antibiotic agents.
• Encourage a broad-based and interdisciplinary UK research community to research old and new approaches to overcoming antibiotic resistance such as the study of natural products, the particular problems of Gram-negative pathogens, and use of combination therapies.

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