

The Antibiotic Resistance Action Center (ARAC) at the George Washington University (GW) was created to preserve the effectiveness of antibiotics by engaging in research, advocacy, and science-based policy. ARAC is focused on finding out-of-the box solutions to antibiotic resistance, one of the greatest public health threats of our time.

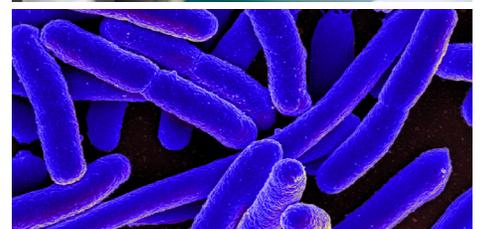
WE FACE A GLOBAL CRISIS

The World Health Organization and the U.S. Centers for Disease Control and Prevention have said if we don't significantly reduce antibiotic use in all settings—humans, animals and agriculture—we will soon be living in a world where antibiotics are no match for drug-resistant bacteria, often called superbugs. The public health consequences of losing antibiotics are almost incomprehensible. Standard medical procedures would become extremely risky and even a simple cut could kill. While the future of antibiotics is in jeopardy, this public health crisis can be turned around. The science shows that if we stop misusing antibiotics, many of the superbugs will lose their powers to resist these drugs.

WE OFFER A SOLUTION

ARAC fills a unique niche. No other academic organization in the U.S. pairs original evidence-based research with sophisticated communication and policy strategies to advance solutions to combat antibiotic resistance. The center's research agenda aims to accomplish the following critical goals:

- Quantify the drug-resistant human infections arising from antibiotic overuse in food animals
- Design systems to trace the origins of antibiotic-resistant bacteria
- Engineer diagnostics to guide antibiotic prescription, improve patient care, and decrease costs
- Develop probiotic therapies to block the spread of antibiotic-resistant bacteria
- Use scientific data to promote evidence-based policy
- Use new and traditional media to engage consumers and policymakers
- Work with major food companies to develop market-based solutions to improve antibiotic stewardship



LEADERSHIP

ARAC is led by **Lance Price**, PhD, a professor at the Milken Institute School of Public Health and a renowned expert on antibiotic resistance. A core group of uniquely qualified experts in strategic communications, health policy, and laboratory research form the center's managing staff. Together the team has taken this issue from once obscure to what's been called one of the most important food issues of our day.



Antibiotics are
"Societal Drugs"

FOOD
FOR
TOMORROW
CONFERENCE



LOCATION

Located in the heart of Washington, DC, ARAC benefits from being part of GW and Milken Institute SPH. ARAC staff works with GW's public health scholars, researchers, and students in the new state-of-the-art, 500,000-square-foot Science and Engineering Hall, a cross-disciplinary facility equipped with cutting-edge tools needed to make world-changing discoveries.



PARTNERSHIPS AND SUPPORT

The Milken Institute School of Public Health supports ARAC's mission by offering access to a brand-new, state-of-the-art research facility, laboratory equipment, staff, and post-doctoral fellows. ARAC is seeking additional support for its ongoing programs and activities through partnerships with individuals and organizations that share our commitment to preserve the effectiveness of antibiotics.

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Milken Institute School
of Public Health

THE GEORGE WASHINGTON UNIVERSITY

ANTIBIOTIC
RESISTANCE
ACTION CENTER