SUMMARY

• Who We Are
• What We Do
• How to Get Involved
Who We Are
OUR STORY

- **2015** – ISU establishes Regional AMR Consortium

- **April, 2018** – AAVMC and APLU request proposals for hosting NIAMRRE

- **July, 2018** – ISU competively selected to host Institute

- **Nov., 2018** – Interim Executive Advisory Council (IEAC) formed

- **Jan., 2019** – Key NIAMRRE staff are hired
NIAMRRE will drive collaborative and integrative research, education, and engagement to solve AMR challenges and benefit society using a One Health approach.
MISSION

NIAMRRE will provide local, national, and international leadership in combating antimicrobial resistance by:

Fostering an active understanding of antimicrobial resistance to reduce its societal impact.

ONE HEALTH APPROACH

ANIMALS + HUMANS + ENVIRONMENT
NIAMRRRE INTERIM EXECUTIVE ADVISORY COUNCIL

Mike Boehm, University of Nebraska
Vice Chancellor, Institute of Agriculture and Natural Resources

Bernadette Dunham, George Washington University
Former Director of FDA Center for Veterinary Medicine

Lonnie King, Co-Chair PAC-CARB
Former Dean, Ohio State University College of Veterinary Medicine

Sarah Nusser, Iowa State University
Vice President for Research

Cathie Woteki, Consultant
Former USDA Undersecretary and Chief Scientist

Robin Patel, Mayo Clinic
Incoming President, American Society for Microbiology (ASM)

Paul Plummer, Iowa State University
Executive Director, National Institute of Antimicrobial Resistance Research & Education

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Cathie Woteki, Consultant
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Robin Patel, Mayo Clinic
Incoming President, American Society for Microbiology (ASM)

Paul Plummer, Iowa State University
Executive Director, National Institute of Antimicrobial Resistance Research & Education
NIAMRRE STAFF

Paul Plummer,  
Executive Director

Kristen Obbink,  
Associate Director

Valyn Bodensteiner,  
Marketing Specialist

Erica Hellmich,  
Administrative Specialist
Focuses efforts on 4 areas of unmet needs:

- Infections caused by gram-negative bacteria
- Infections caused by gram-positive bacteria
- Antimicrobial stewardship and infection prevention
- Diagnostics

The Antibacterial Resistance Leadership Group (ARLG) develops, designs, implements, and manages a clinical research agenda to increase knowledge of antibacterial resistance (AR).
NIAMRRE POTENTIAL STRUCTURE

AAPLU/AAVMC

Leadership and Operations Center (LOC)
- Executive Director – Paul J. Plummer, DVM PhD
- Associate Director – Kristen Obbink, DVM MPH
- Rodney Moxley, DVM PhD (Univ of Nebraska)
- Christine Petersen, DVM MPH, PhD (U of Iowa)
- Ken Bayles, PhD (UNMC)

Epidemiology, Study Design and Data Analysis Core
- Faculty from all institutions

Economics and Social Sciences Core
- Key faculty from all institutions

Executive Committee
- Stakeholders leadership with “big picture” guidance of activities

Steering Committee
- Scientific Committee focused on driving scientific agenda

Potential Industry-Consortium Partnership
- Pharmaceutical and commercial entities with paid membership to drive concurrent research agenda

Laboratory Core and Virtual Biorepository
- Iowa State Veterinary Diagnostic Laboratory
- Univ. of Nebraska Veterinary Diagnostic Lab
- Iowa State Hygienic Laboratory
- Mayo Clinic Clinical Bacteriology Laboratory
- Key laboratories from all institutions

Industry Stakeholder Advisory Council
- Composed of livestock and commodity producer representatives

Precision Agriculture And Antibiotic Alternatives

Innovative diagnostics to improve clinical decision making

One-health systems approaches To AMR

AMR stewardship, education, And extension

National Institute of Antimicrobial Resistance Research & Education
What We Do
BROAD APPROACH
STRATEGY

Reducing AMR’s societal impact by fostering:

- RESEARCH
- EDUCATION
- COLLABORATION
- ADVOCACY
How To Get Involved
GET INVOLVED WITH NIAMRRE

PROVEN EXPERTISE
NIAMRRE will build on the existing expertise of its partners to collaboratively lead local, national, and international antimicrobial resistance and stewardship efforts.

INCLUSIVE INSTITUTE
The NIAMRRE brand is independent of the host and member institutions; a separate, inclusive entity. Within our institute, we intend to represent academia, commodity, and industry in our efforts.

SHARED SOLUTIONS
Stakeholder engagement is valued and encouraged! Cross-disciplinary participation from stakeholders will help bridge resource and knowledge gaps and allow for stronger collaboration.

ACCESSIBLE DATA
Through our efforts we’ll strive to make antimicrobial resistance and stewardship project data accessible, while maintaining intellectual property and appropriately validating results.