Repopulating the Antibacterial Pipeline

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ASPR: Saving Lives... Protecting America
Why BARDA Supports Antibacterial Product Development
Antimicrobial Resistance is a Threat to National Security

Estimated minimum number of illnesses and deaths caused by antibiotic resistance*:

At least 2,049,442 illnesses

23,000 deaths

CDC, 2013

O’Neill, 2016
Our Goal

Revitalize the antimicrobial pipeline by forming innovative public-private partnerships with companies engaged in antimicrobial product development
## Our Priorities

### Drug Class
- **Unprecedented**
  - Novel Target
  - Novel Chemistry
- **Precedented**
  - Reduced AR
- **Nontraditional Therapies**
  - mAbs, phage, host-based
- **Prevention/interdiction**
  - Vaccines
  - Microbiome

### Biothreat
- **B. pseudomallei**
- **B. mallei**
- **F. tularensis**
- **Y. pestis**
- **B. anthracis**

### Antibiotic Resistance
- **CR Enterobactericiae**
- **MDR A. baumannii**
- **MDR P. aeruginosa**
- **ESBL Enterobactericiae**
- **C. difficile**
- **DR N. gonorrhea**
- **VR Enterococcus**
- **MR S. aureus**
- **DR S. pneumoniae**
• **BAA-16-100-SOL-00001**, Area of Interest #3: Antimicrobial Therapeutics
• Develop and test antibacterial products that are in advanced development for post-exposure prophylaxis (PEP) and treatment efficacy against one or more biodefense threat agents (*Bacillus anthracis*, *Yersinia pestis*, *Francisella tularensis*, *Burkholderia mallei*, and *Burkholderia pseudomallei*).
• Develop **new small molecule drugs and nontraditional therapeutics** that treat or prevent resistant microbial infections either alone or in combination with another therapeutic
• Products should possess activity against one or more of the pathogens categorized as serious, urgent, or concerning threats in the September 2013 CDC Report titled *Antibiotic Resistance Threats in the United States, 2013*. 
Online Resources

https://www.medicalcountermeasures.gov/home.aspx
  • Portal to BARDA: Register to request a TechWatch meeting

https://www.fbo.gov/ (“FedBizOpps”)
  • Official announcements and info for all government contract solicitations

https://www.usajobs.gov/
  • Join the team!

https://www.phe.gov/about/BARDA/Pages/default.aspx
  • Program description, information, news, announcements
Thank You!