

Welcome to the ARLG Newsletter! Here, you will receive important updates from ARLG regarding recent events, grants, publications, and the committees that help us work toward our mission: to prioritize, design, and execute clinical research that will reduce the public health threat of antibacterial resistance.

Get Involved with ARLG

The ARLG brings together the world's top investigators in antibacterial resistance to collaborate in a dynamic, innovative environment. If you are interested in submitting a protocol concept or applying for one of our grants or fellowships, please contact us or apply now.

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NIH Renews Funding up to \$102.5M for the ARLG

As antibiotic-resistant bacteria become more urgent threats worldwide, the National Institute of Allergy and Infectious Diseases (NIAID), part of the National Institutes of Health, announced up to \$102.5 million in renewed funding over seven years for the Antibacterial Resistance Leadership Group (ARLG). This funding will allow the network to continue and enhance its mission to prioritize, design, and execute clinical research to reduce the public health threat of antibacterial resistance.

"We are delighted to be able to continue to support efforts to fight antibiotic resistance by generating data that is used to inform dosing guidelines and developing diagnostic testing for better detection and timely treatment."

Vance Fowler, MD
ARLG Co-Principal Investigator

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ARLG SPOTLIGHT

Pranita D. Tamma, MD, MHS
Associate Professor of Pediatrics
Director of the Pediatric Antibiotic Stewardship Program
The Johns Hopkins Hospital



About my role in the ARLG

My initial introduction to the ARLG was as a recipient of an [Early Stage Investigator Seed Grant](#). Since then, the ARLG has been very generous in providing me with opportunities for further involvement, including being a member of the Gram-negative Committee. In this role, I help establish the research agenda, provide feedback on proposed research studies, and review manuscripts from ARLG-funded research.

I received funding from the ARLG to establish a Gram-negative bloodstream infection database from three hospitals: The University of Maryland Medical Center, The Johns Hopkins Hospital, and The Hospital of the University of Pennsylvania. This database includes information on close to 5,000 unique patients infected with Gram-negative bacteria. The main objective is to answer questions related to the clinical impact of antibiotic breakpoint changes.

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Awards

Robert A. Bonomo, MD, of the Louis Stokes Cleveland VA Medical Center, is the 2020 recipient of the Wolcott Award for Excellence in Clinical Care Leadership. The Wolcott Award recognizes outstanding clinical practitioners who have made monumental contributions to the practice of medicine in the VA healthcare system. It is the most prestigious clinical award for VA clinicians.



Upcoming Meetings

[30th European Congress of Clinical Microbiology, ECCMID](#)

Paris, France
April 18-21, 2020

Call for Abstracts

[American Society for Microbiology, ASM Microbe](#)

Chicago, Illinois
June 18-22, 2020

Note, the abstract submission and travel awards close on January 24, 2020, 5 pm ET.



Find us on Twitter

The ARLG is now on Twitter. Engage with us using our handle [@ARLGnetwork](https://twitter.com/ARLGnetwork) and hashtag: #ARLGnetwork.



Recent Publications

Check out the following recent ARLG publications since September 2019.

Wenzler E, Meyer KM, Bleasdale SC, Sikka M, Mendes RE, Bunnell KL, Finnemeyer M, Rosenkranz SL, Danziger LH, Rodvold KA. Ex Vivo Urinary Bactericidal Activity and Urinary Pharmacodynamics of Fosfomycin After Two Repeated Dosing Regimens of Oral Fosfomycin Tromethamine in Healthy Adult Subjects. *Antimicrob Agents Chemother*. 2019 Nov 25. pii: AAC.02102-19. doi: 10.1128/AAC.02102-19. [Epub ahead of print].

Doernberg SB, Komarow L, Tran TTT, Sund Z, Pandori MW, Jensen D, Tsalik EL, Deal CD, Chambers HF, Fowler VG, Evans SR, Patel R, Klausner JD. Simultaneous Evaluation of Diagnostic Assays for Pharyngeal and Rectal *Neisseria gonorrhoeae* and *Chlamydia trachomatis* Using a Master Protocol. *Clin Infect Dis*. 2019 Nov 17. pii: ciz1105. doi: 10.1093/cid/ciz1105. [Epub ahead of print].

Tsalik EL, Khine A, ATalebpour A, Samiei A, Parmar V, Burke TW, McClain MT, Ginsburg GS, Woods CW, Henao R, Alavie T. Rapid, Sample-to-Answer Host Gene Expression Test to Diagnose Viral Infection. *Open Forum Infectious Diseases*, Volume 6, Issue 11, November 2019, ofz466, <https://doi.org/10.1093/ofid/ofz466>

Turner NA, Grambow SC, Woods CW, Fowler VG Jr, Moehring RW, Anderson DJ, Lewis SS. Epidemiologic Trends in *Clostridioides difficile* Infections in a Regional Community Hospital Network. *JAMA Netw Open*. 2019 Oct 2;2(10):e1914149. doi: 10.1001/jamanetworkopen.2019.14149.

Lydon EC, Henao R, Burke TW, Aydin M, Nicholson BP, Glickman SW, Fowler VG, Quackenbush EB, Cairns CB, Kingsmore SF, Jaehne AK, Rivers EP, Langley RJ, Petzold E, Ko ER, McClain MT, Ginsburg GS, Woods CW, Tsalik EL. Validation of a host response test to distinguish bacterial and viral respiratory infection. *EBioMedicine*. 2019 Oct;48:453-461. doi: 10.1016/j.ebiom.2019.09.040. Epub 2019 Oct 17.

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