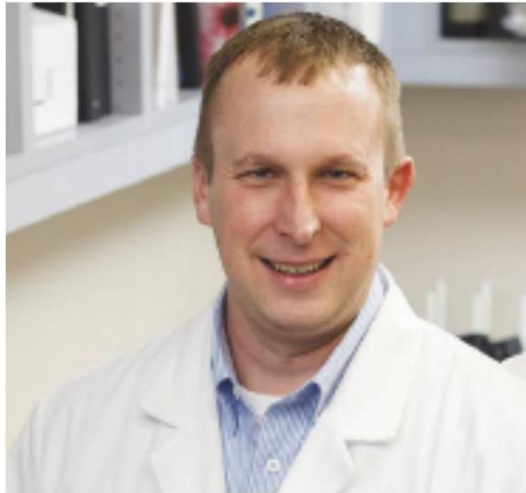


Nathan Ledebor, PhD



Dr. Nathan Ledebor works at the Medical College of Wisconsin as Medical Director of Clinical Microbiology. Dr. Ledebor's primary responsibility is for the medical and technical oversight of the Clinical Microbiology and Molecular Diagnostics Laboratories. In this role he oversees development and implementation of new assays, oversees and sign out all testing performed in these laboratories, and consults with physician colleagues regarding test results and selection.

Research Interests

Development of rapid molecular techniques for detection of infectious diseases

Host Response to Infection

Combining Digital Imaging and Artificial Intelligence

Molecular detection and epidemiology of Respiratory Viruses

Antimicrobial resistance

Publications

- Use of a cohorting-unit and systematic surveillance cultures to control a *Klebsiella pneumoniae* carbapenemase (KPC)-producing *Enterobacteriaceae* outbreak. (Reeme AE, Bowler SL, Buchan BW, Graham MB, Behrens E, Singh S, Hong JC, Arvan J, Hyke JW, Palen L, Savage S, Seliger H, Huerta S, Ledebor NA, Kotay S, Mathers AJ, Cooper VS, Mustapha MM, Mettus RT, Doi Y, Munoz-Price LS.) *Infect Control Hosp*

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- Diagnosing and Managing Sepsis by Probing the Host Response to Infection: Advances, Opportunities, and Challenges.
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- The relevance of sink proximity to toilets on the detection of Klebsiella pneumoniae carbapenemase inside sink drains.
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- Multicenter evaluation of the Alere™ i influenza A&B assay using respiratory specimens collected in viral transport media.
(Hassan F, Crawford J, Bonner AB, Ledebor NA, Selvarangan R.) Diagn Microbiol Infect Dis. 2018 Dec;92(4):294-298 PMID: 30077505 SCOPUS ID: 2-s2.0-85050811176 08/06/2018
- Clinical Evaluation of the iCubate iC-GPC Assay for Detection of Gram-Positive Bacteria and Resistance Markers from Positive Blood Cultures.
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- Multicenter Evaluation of the Accelerate PhenoTest BC Kit for Rapid Identification and Phenotypic Antimicrobial Susceptibility Testing Using Morphokinetic Cellular Analysis.
(Pancholi P, Carroll KC, Buchan BW, Chan RC, Dhiman N, Ford B, Granato PA, Harrington AT, Hernandez DR, Humphries RM, Jindra MR, Ledebor NA, Miller SA, Mochon AB, Morgan MA, Patel R, Schreckenberger PC, Stamper PD, Simner PJ, Tucci NE, Zimmerman C, Wolk DM.) J Clin Microbiol. 2018 04;56(4) PMID: 29305546 PMCID: PMC5869823 SCOPUS ID: 2-s2.0-85044779516 01/07/2018
- Effective utilization of C. difficile PCR and identification of clinicopathologic factors associated with conversion to a positive result in symptomatic patients.
(Mostafa ME, Flynn T, Hartley CP, Ledebor NA, Buchan BW.) Diagn Microbiol Infect Dis. 2018 Apr;90(4):307-310 PMID: 29290473 SCOPUS ID: 2-s2.0-85039550113 01/02/2018
- Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for Use with Positive Blood Cultures: Methodology, Performance, and Optimization.
(Faron ML, Buchan BW, Ledebor NA.) J Clin Microbiol. 2017 12;55(12):3328-3338 PMID: 28855303 PMCID: PMC5703799 SCOPUS ID: 2-s2.0-85036667185 09/01/2017
- A Novel Protocol Obviates Endoscope Sampling for Carbapenem-Resistant Enterobacteriaceae: Experience of a Center with a Prior Outbreak.
(Smith ZL, Dua A, Saeian K, Ledebor NA, Graham MB, Aburajab M, Ballard DD, Khan AH, Dua KS.) Dig Dis Sci. 2017 11;62(11):3100-3109 PMID: 28681083 SCOPUS ID: 2-s2.0-85021843628 07/07/2017
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