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*Shoving the Envelope: Towards Point-of-care
Characterization of Antimicrobial Resistance and Emerging
Pathogens with SeqScreen*

Dr. Todd Treangen completed his Ph.D. in Computer Science in 2008 at the Polytechnic University of Catalonia (Barcelona, Spain), receiving a European Ph.D. with Distinction (highest honor). After completing his Ph.D., he was a postdoctoral research scientist at the Pasteur Institute (Paris, France), Center for Bioinformatics and Computational Biology (CBCB) at the University of Maryland College Park (College Park, Maryland), and Johns Hopkins University (Baltimore, Maryland). After completing his postdoctoral research, he spent several years at the National Biodefense Analysis and Countermeasures Center (Frederick, Maryland) as a principal investigator leading the bioinformatics research group. In 2018, Dr. Treangen joined the Computer Science department at Rice University as an Assistant Professor. He is also a faculty member in the Systems, Synthetic, and Physical Biology (SSPB) graduate program. The primary research focus of his research group at Rice is on designing, developing, and implementing open-source software tools capable of tackling emerging computational research questions specific to biosecurity, infectious disease, and microbiome analysis.