



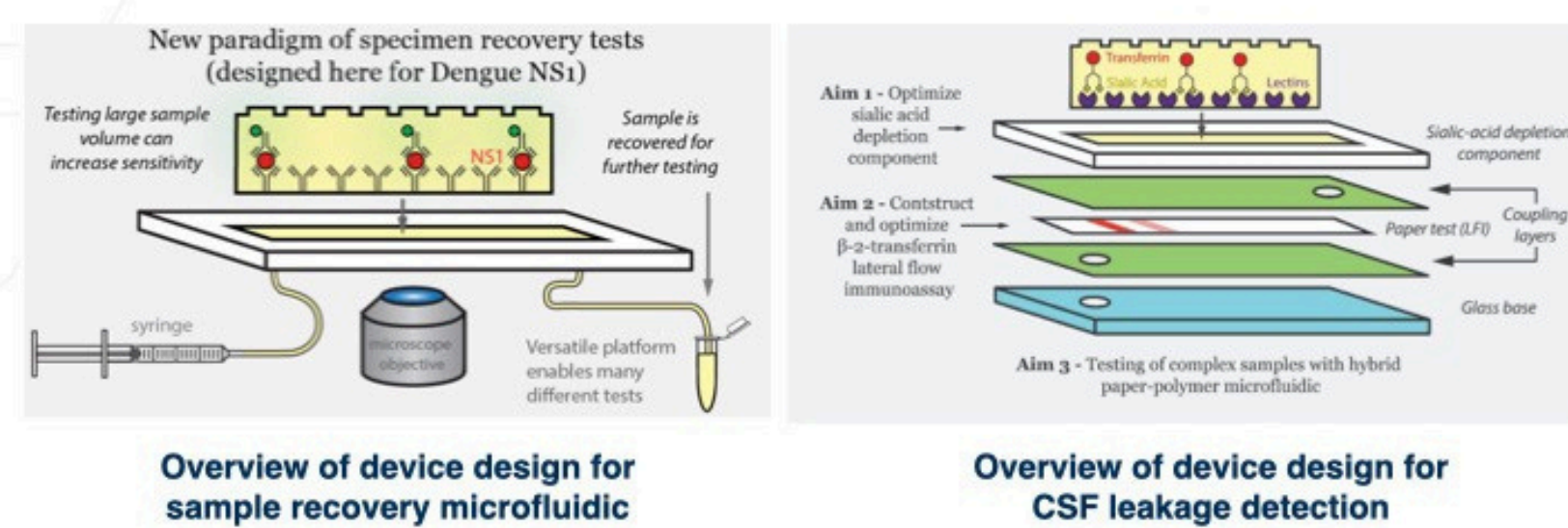
Anjana Dissanayaka

Ph.D. Student, Biomedical Engineering Second
Year ARCS Scholar Northside Hospital Award

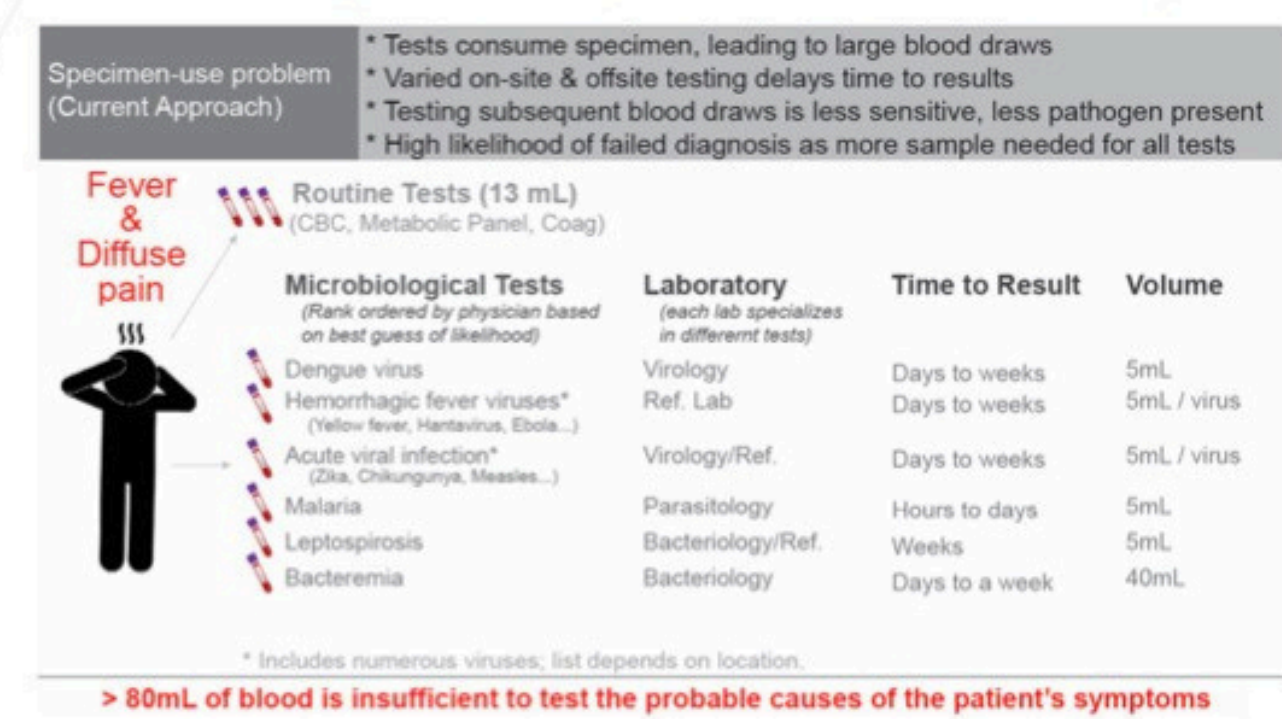


Applying microfluidic technology to create low-cost diagnostics

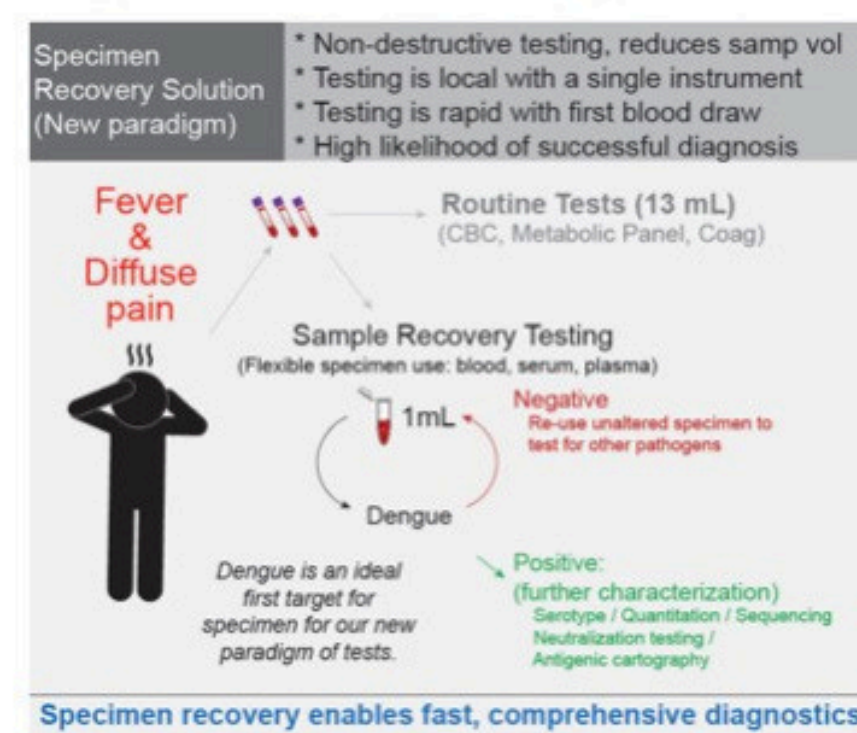
Topic of Study: Applying microfluidic technology to create low-cost diagnostics



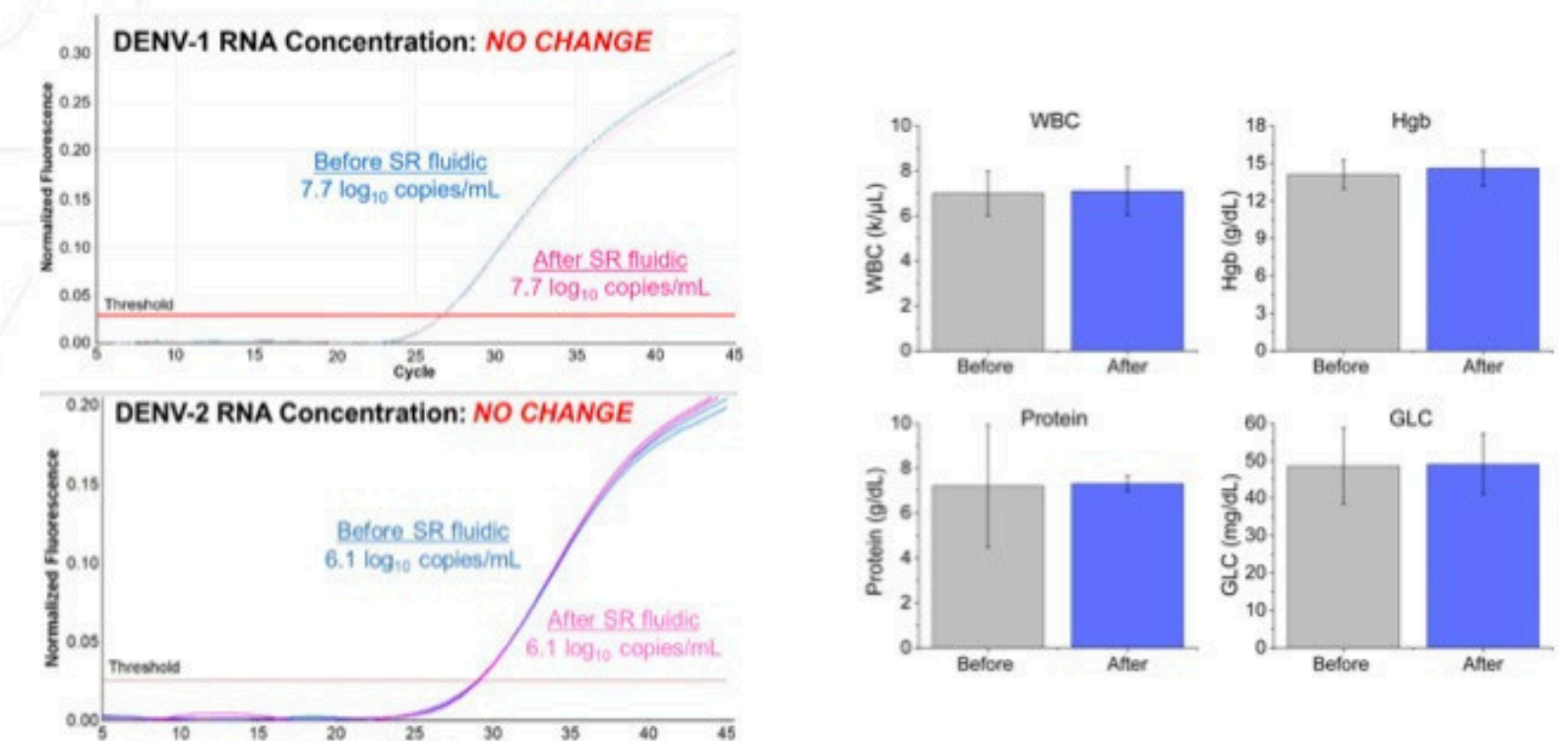
Addressing the specimen-use problem



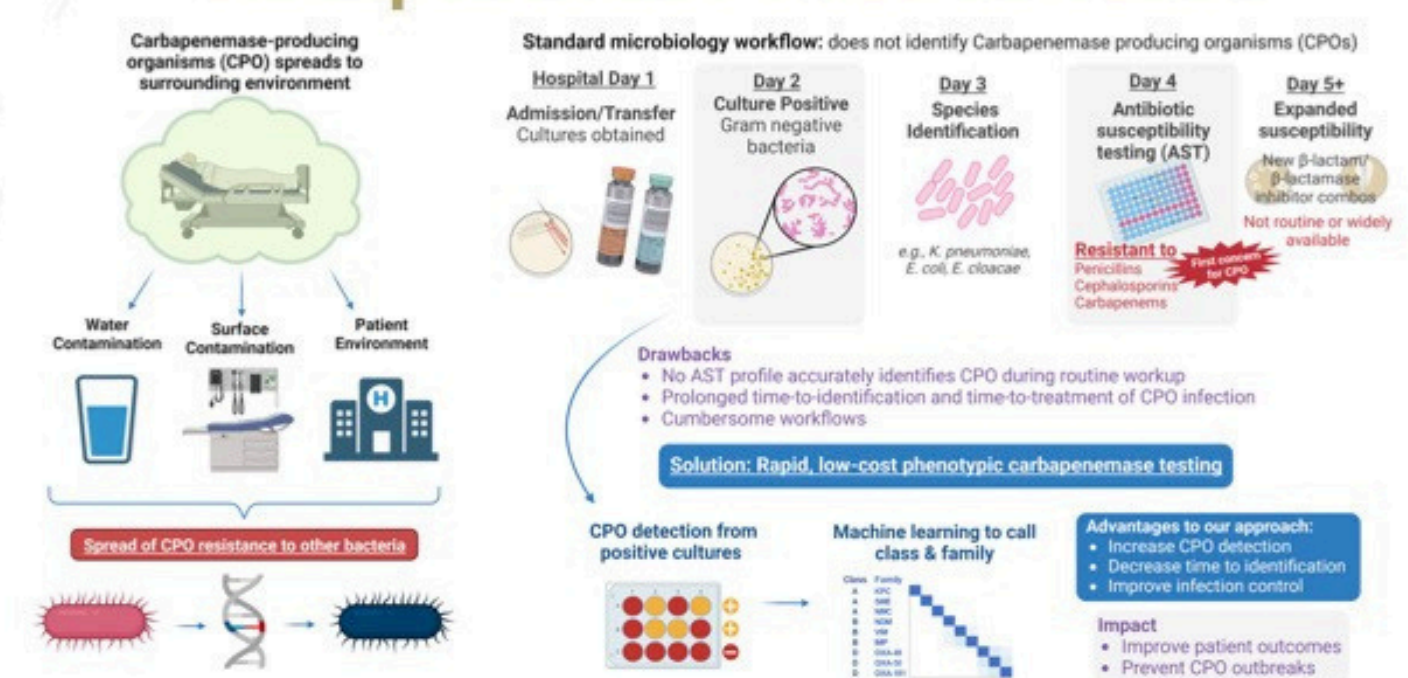
Sample Recovery Solution



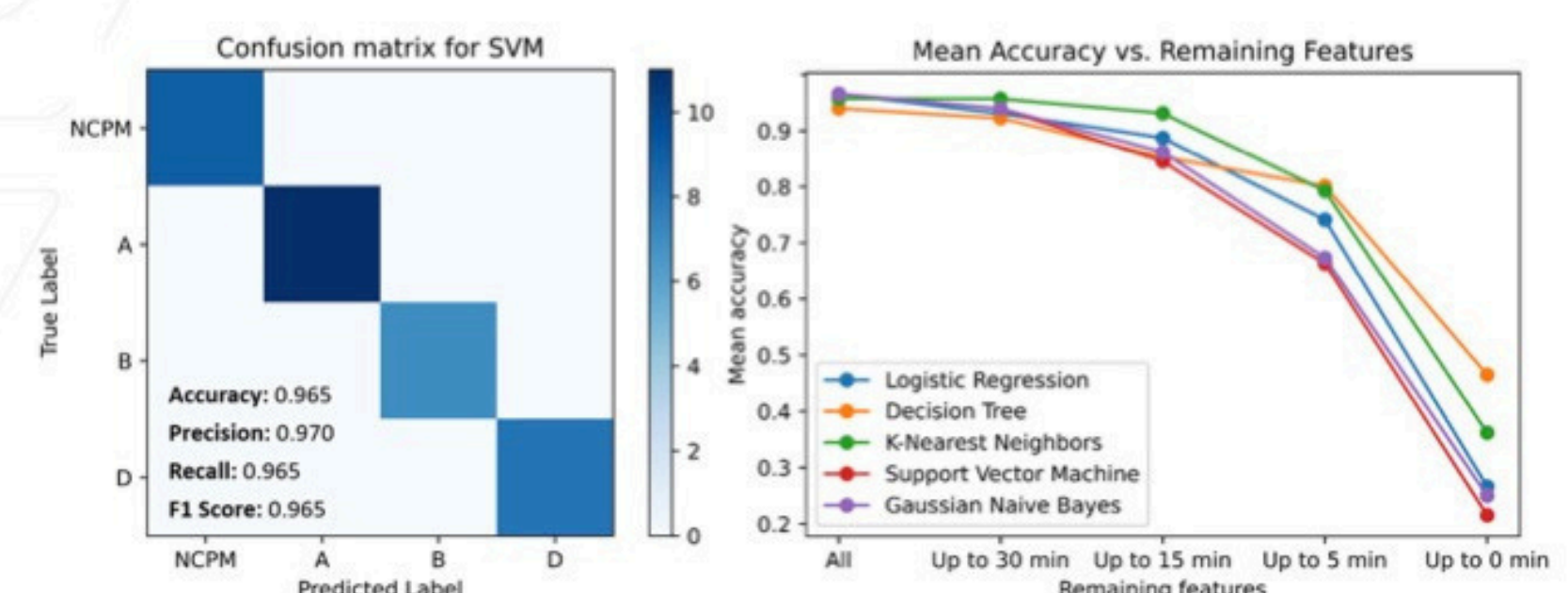
Pre and Post Clinical Tests



Current Work: Applying machine learning for carbapenemase class detection



Preliminary data shows promising results



ACKNOWLEDGMENTS: ADVISOR: Dr. David R. Myers COLLABORATORS: Dr. Jesse J. Waggoner, Sara Ping, Ali Haider FINANCIAL CONTRIBUTIONS: NSF Graduate Research, Fellowship, ARCS Foundation Award

Scholar Awards Celebration
November 15, 2023



Igniting
Innovation
in Georgia