Dr. Fariba M. Donovan’s research focuses on early pathogen-host interaction in coccidioidomycosis, and her clinical research focuses on the earlier and improved diagnosis of Valley fever.

She is studying early coccidioidomycosis events to better understand altered or dysfunctional metabolic pathways as evidence of genetic alterations and a risk factor for severe coccidioidomycosis or disseminated coccidioidomycosis (DCM). In a recently published study, her team found a 2.4 fold increased risk of DCM in autoimmune patients (such as those with rheumatoid arthritis) on biological response modifiers. This work has led to a recent proposal to uncover clinical markers and to identify those at risk for severe coccidioidomycosis.

Dr. Donovan's clinical research goals include the development of more rapid, reliable, and cost-effective Valley fever point-of-care testing which will speed and improve diagnostic accuracy and antimicrobial stewardship. She recently completed a prospective study evaluating a rapid LFA test for Valley fever diagnosis. Her earlier work has demonstrated the human and financial burden of delays in Valley fever diagnosis. Her work epitomizes the goal of taking basic research and applying it at the bedside for the benefit of the entire community.

Join Zoom Meeting: https://uitsarizona.zoom.us/j/4712743927?pwd=NzI5VEF1N0tIanhwVmRVZiRNDjVZz09
Passcode 888639

This University of Arizona event is sponsored by the Division of Infectious Diseases, Department of Medicine, UA College of Medicine - Tucson. It is open to the public, particularly community physicians and other interested health-care professionals.

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