



MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Winter Quarter 2019 – CRN 43601



Friday Seminar – 12:10-1 PM

“Diversity among species of *Coccidioides*: Population genomics analysis and local population structure”

Research

The Barker Lab is striving to improve their knowledge of the ecological niche of *Coccidioides* by improving the ability to predict the presence of Cocci in soil. Being exposed to Cocci often leads to an asymptomatic infection, but can lead to the development of asymptomatic benign nodules, sometimes misdiagnosed as lung cancer. If the acute infection does not resolve, it can progress to chronic and/or disseminated disease, and the specific factors influencing this outcome are unknown.

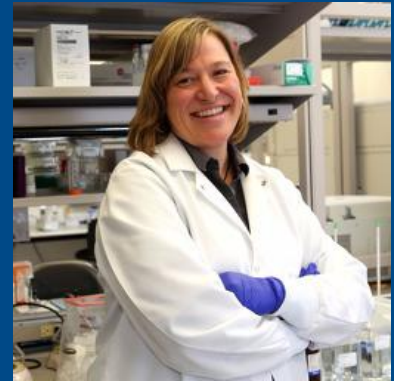
Publications

The mysterious desert dwellers: *Coccidioides immitis* and *Coccidioides posadasii*, causative fungal agents of coccidioidomycosis. Kollath DR, Miller KH, Barker BM. *Virulence*. 2019 Dec;10(1):222-233. doi: 10.1080/21505594.2019.1589363.

Detection of *Coccidioides posadasii* from xerophytic environments in Venezuela reveals risk of naturally acquired coccidioidomycosis infections. Alvarado P, Teixeira MM, Andrews L, Fernandez A, Santander G5, Doyle A, Perez M, Yegres F, Barker BM. *Emerg Microbes Infect*. 2018 Mar 29;7(1):46. doi: 10.1038/s41426-018-0049-6.

Characterizing in vitro spherule morphogenesis of multiple strains of both species of *Coccidioides*. Mead HL, Teixeira MM, Galgiani JN, Barker BM. *Med Mycol*. 2019 Jun 1;57(4):478-488. doi: 10.1093/mmy/myy049.

April
19



Bridget Barker, Ph.D.
Assistant Professor
Northern Arizona University

**April 19, 2019
12:10 – 1 PM
GBSF 1005**

Medical Microbiology
& Immunology
School of Medicine

Seminar Contact:

Karryn Doyle
530-752-9401

kddoyle@ucdavis.edu

We hope to see you there!