



MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Winter Quarter – CRN 65452



Friday Seminar – 12:10-1 p.m.
SEMINAR LOCATION: GLADYS VALLEY HALL ROOM 1047

“Dust Devil or Fantastic Yeast? The Mysterious Life of *Coccidioides*”

Research

The Barker Lab is striving to improve our knowledge of the ecological niche of *Coccidioides* by improving our 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

Investigating the Role of Animal Burrows on the Ecology and Distribution of *Coccidioides* spp. in Arizona Soils. Kollath DR, Teixeira MM, Funke A, Miller KJ, Barker BM. Springer Nature B.V. 2019 September 23.

Population Structure and Genetic Diversity among Isolates of *Coccidioides posadasii* in Venezuela and Surrounding Regions. Teixeira MM, Alvarado P, Chandler CR, Thompson GR, Patane JS, Sahl J, Keim P, Galgiani JN, Litvintseva AP, Matute DR, Barker BM. American Society for Microbiology. 26 November 2019.

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.

January 10



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Pathogen and Microbiome Institute
Northern Arizona University

January 10, 2020
12:10 – 1 p.m.
Gladys Valley Hall
Room 1047

Medical Microbiology &
Immunology
School of Medicine

Seminar Contact:
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We hope to see you there!