



## DEPARTMENT OF BASIC MEDICAL SCIENCES SEMINAR SERIES

*A weekly lecture series covering diverse topics in the biomedical sciences*

### **Seminar Title: Toxoplasma gondii persistence: a balancing act between neurons and parasites**

**Thursday, October 17, 2024**

**12 p.m. - 1 p.m.**

**IN-PERSON:** College of Medicine—Phoenix  
Biomedical Sciences Partnership Building (BSPB)  
E113 Classroom  
475 N. 5th Street, Phoenix, AZ 85004



**Anita Koshy, MD**

Associate Professor  
Dept. of Neurology and Dept. of Immunobiology  
BIO5 Institute  
Affiliate, Evelyn F. McKnight Brain Institute  
University of Arizona, Tucson

**ZOOM LINK:** <https://arizona.zoom.us/j/81251575246>

***CME credit provided by the University of Arizona College of Medicine-Tucson***

- 1. Define the major clinical manifestations of Toxoplasma gondii*
- 2. Identify the capabilities of neurons to mount cytokine induced anti-parasitic defenses*
- 3. Understand how Toxoplasma gondii encystment in neurons is host adaptive*

***BMS Host:***

***Amelia Gallitano, MD, PhD***

***Contact for additional information:***

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# COM-P Department of Basic Medical Sciences Seminar Series 2024

## Toxoplasma gondii persistence: a balancing act between neurons and parasites, Anita Koshy, MD

October 17, 2024 – 12:00 PM  
Phoenix

### Overall Activity Objectives:

- 1 Incorporate into practice recent research in basic and biomedical sciences and/or biomedical AI/ML.
- 2 Incorporate into practice knowledge of the growth and development or health of organisms (Basic Medical Sciences) or the assessment or management of health-related issues (Biomedical Informatics).

### Session Objectives:

- 1 Define the major clinical manifestations of Toxoplasma gondii
- 2 Identify the capabilities of neurons to mount cytokine induced anti-parasitic defenses
- 3 Understand how Toxoplasma gondii encystment in neurons is host adaptive

### Accreditation Statement:

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of The University of Arizona College of Medicine - Tucson and University of Arizona College of Medicine - Phoenix The University of Arizona College of Medicine - Tucson is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Arizona College of Medicine - Tucson designates this Live Activity for a maximum of 1.00 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Relevant Financial Relationships Statement(s):

University of Arizona College of Medicine - Tucson Continuing Medical Education adheres to the ACCME's Standards for Integrity and Independence in Accredited Continuing Education. Any individuals in a position to control the content of a CME activity, including faculty, planners, reviewers or others are required to disclose all financial relationships with ineligible entities (commercial interests). The CME office reviewers have nothing to disclose. All relevant financial relationships have been mitigated prior to the commencement of the activity.

| Name of individual       | Individual's role in activity | Nature of Relationship(s) / Name of Ineligible Company(s) |
|--------------------------|-------------------------------|---|
| Frederic Zenhausern, MBA | Course Director               | Nothing to disclose - 02/09/2024                          |
| Anita Koshy, MD          | Faculty                       | Nothing to disclose - 10/14/2024                          |



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