



THE UNIVERSITY OF ARIZONA  
COLLEGE OF MEDICINE TUCSON

Immunobiology

THE DEPARTMENT OF IMMUNOBIOLOGY  
PRESENTS:

**“BORDETELLA FILAMENTOUS  
HEMAGGLUTININ: A MODEL FOR  
TWO-PARTNER SECRETION AND A  
MULTIFUNCTIONAL VIRULENCE  
FACTOR”**

BY

**PEGGY COTTER, PH.D.**

PROFESSOR, DEPARTMENT OF  
MICROBIOLOGY AND IMMUNOLOGY

SCHOOL OF MEDICINE  
UNIVERSITY OF NORTH CAROLINA



**FRIDAY, MARCH 7, 2025  
AT 11:00 AM  
DRACHMAN HALL  
ROOM B111**

DEPARTMENT OF IMMUNOBIOLOGY  
COLLEGE OF MEDICINE  
P.O. Box 245221  
TUCSON, AZ 85724-5221  
TEL: (520) 626-6409  
FAX: (520) 626-2100

IMB TRAINEES ARE REQUIRED TO ATTEND  
FACULTY ARE ENCOURAGED TO ATTEND



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