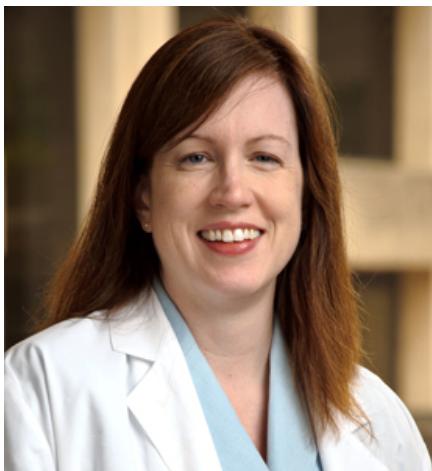


# STUDENTS OF THE MICROBIOLOGY GRADUATE GROUP PRESENT:

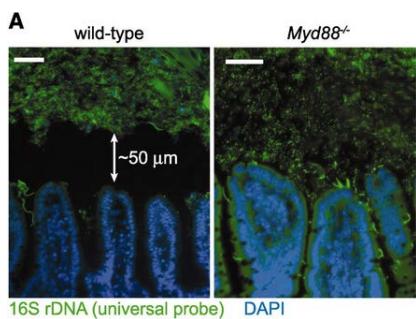


## Dr. Lora Hooper

Professor, Department of Immunology.  
University of Texas Southwestern Medical Center

Investigator, Howard Hughes Medical Institute

### ***"Circadian Regulation of Intestinal Immunity"***



**Wednesday  
May 29th, 2013  
4:10 pm in 1022 LSA**



Humans harbor 100 trillion intestinal bacteria that aid in digestion, promote immune system development, and protect against pathogen colonization. The Hooper lab studies the immune mechanisms that limit the ability of these resident bacteria to cross intestinal barriers and enter host tissues. They use germ-free (gnotobiotic) mouse models to investigate the complex interactions that occur between intestinal bacteria and the immune system. Using an integrated, multidisciplinary approach, they aim to obtain a detailed, mechanistic understanding of how the immune system detects, responds to, and copes with enormous numbers of symbiotic intestinal bacteria.