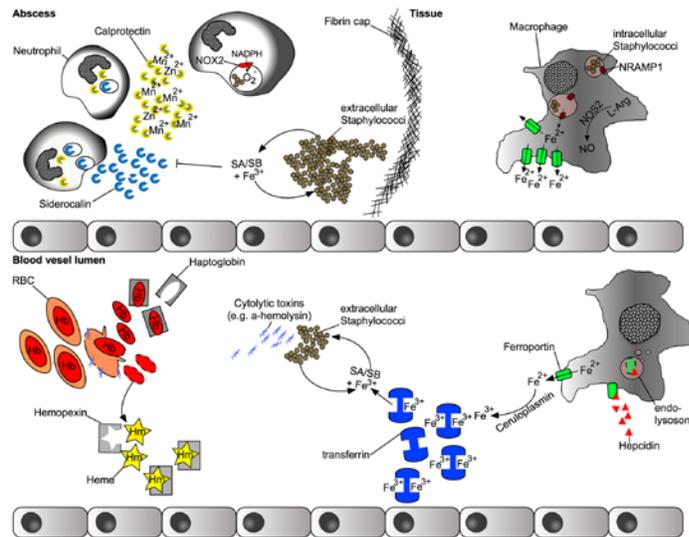




Nutrient limitation at the interface between *Staphylococcus aureus* and host



The outcome of a host-pathogen interaction is heavily influenced by host defense mechanisms, but one of which is the sequestration of essential nutrients from the pathogen. This presentation will provide a brief overview of 'nutritional immunity' as it relates to withholding of iron, an essential transition metal. I will also discuss my laboratory's research on how *Staphylococcus aureus* overcomes these host defense mechanisms. Finally, I will present our most recent work focused on how acquisition of branched chain amino acids influences the pathogenesis of *S. aureus* infection.

Dr. David E. Heinrichs

Professor
Department of Microbiology and Immunology
University of Western Ontario

Host: Dr. Alan Davidson

Date: Thursday December 11th, 2014
Time: 3PM
Place: Medical Sciences Building,
1 King's College Circle, Room 4279