

Current State and Further Development of Animal Models of Serious Infections Caused by *Acinetobacter baumannii* and *Pseudomonas aeruginosa*

March 1, 2017

Panel Discussion Topics (AM Panel Discussion):

- 1) What are the pathogenic features of *Pseudomonas* and *Acinetobacter* that should be considered during animal model development?
- 2) What are some previous challenges/lessons learned and successes that should be considered in improvement and further development of animal models for *Pseudomonas* and *Acinetobacter*?

Panel Discussion Topics (PM Panel Discussion):

1. Are there other in vivo models that can be considered for *Pseudomonas* and *Acinetobacter* other than the ones discussed (guinea pig, rat, pig, other models)? If so, what are the advantages/limitations of each?
2. Development of animal models of HABP/VABP caused by *Pseudomonas* and *Acinetobacter* is desirable, as HABP/VABP is one of the more serious infections in humans caused by these pathogens. What are the most important considerations (e.g., strain of bacteria, mouse strain, other factors affecting virulence) to address in order to further develop these models?
3. What other sites of infection should be prioritized for animal model development?
4. Please identify the most important research priorities and considerations for further development of animal models of infection caused by *Pseudomonas* and *Acinetobacter*.