**Supporting Data and Information for Computational Fluid Dynamic Modeling of *Bacillus anthracis* Spore Deposition in the Rabbit and the Human**

**Metadata Updated:** June 15, 2017

The README.docx files identifies and describes the files used to generate the computational fluid dynamic (CFD) modeling of *Bacillus anthracis* deposition in the rabbit and the human a presented in the Kabilan et al. 2016 publication. Please review this file before accessing the files.

The CFD modeling inputs for the rabbit and the human are provided in individual folders, with subfolders for generation of the mesh and simulation outputs for both high and low particle concentrations. The source of the inputs and methods to generate the files are provided in the publication. The mesh files (\*.ccm) are readable by Star-CCM+, OpenFOAM®, and possibly other CFD solvers. Star-CCM+ files contain all physical parameters for the runs. A summary pdf file of physical assumptions for each modeled outlet is also provided. Spreadsheets are included to document the deposition calculations for the high and low particle concentrations for the rabbit and the human.

This dataset is associated with the following publication:

Kabilan, S., S. R. Suffield, K. P. Recknagle, R. E. Jacob, D. R. Einstein, A. P. Kuprat, J. P. Carson, S. M. Colby, J. H. Saunders, S. A. Hines, J. G. Teeguarden, T. M. Straub, M. Moe, S. C. Taft and R. A. Corley (2016). Computational Fluid Dynamics Modeling of *Bacillus anthracis* Spore Deposition in Rabbit and Human Respiratory Airways. Journal of Aerosol Science 99: 64-77.