

PEER REVIEWED PUBLICATIONS

Clement, KH and Basinger WG, "Detection of the Degree of Exposure to Chemical Warfare Nerve Agents and Organophosphate Pesticides with Lateral Flow Assays." U.S. Patent Application No. 10,288,614.

Ionin, B, R Hopkins, B Pleune, G Sivko, F Reid, **KH Clement**, T Rudge, G Stark, A Innes, S Sari, T Guina, C Howard, J Smith, ML Swoboda, E Vert-Wong, V Johnson, G Nabors, and M Skiadopoulos. 2013. Evaluation of Immunogenicity and Efficacy of Biothrax® (Anthrax Vaccine Adsorbed) for Post-Exposure Prophylaxis. *Microb Immun Vaccines*. Manuscript in Press; Accepted with Revisions.

Clement KH, TL Rudge Jr, HJ Mayfield, LA Carlton, A Hester, NA Niemuth, CL Sabourin, AM Brys, and CP Quinn. 2010. Vaccination of rhesus macaques with the anthrax vaccine adsorbed vaccine produces a serum antibody response that effectively neutralizes receptor-bound protective antigen in vitro. [Clin Vacc Immun](#). 17(11):1753-62

Omland KS, AM Brys, D Lansky, KH **Clement**, and F Lynn. 2008. Interlaboratory Comparison of Results of an Anthrax Lethal Toxin Neutralization Assay for Assessment of Functional Antibodies in Multiple Species. *Clin Vacc Immun*. 15(6): 946–953

Campbell JD, **KH Clement**, SS Wasserman, S Donegan, L Chrisley, and KL Kotloff. 2007 Safety, reactogenicity and immunogenicity of a recombinant protective antigen anthrax vaccine given to healthy adults. *Hum Vacc*. 3(5):205-11

Long KH, FJ Gomez, and SL Newman. 2003. Identification of Heat Shock Protein 60 as the ligand on *Histoplasma capsulatum* that Mediates Binding to Human Macrophage CD11/CD18 Receptors. *J Exp Med*. 170:487-494

PEER REVIEWED TECHNICAL REPORTS

Hughes MA, DL Burns, SJ Juris, WJ Tang, **KH Clement**, LJ Eaton, CD Kelly-Cirino, ML McKee, BS Powell, BL Bishop, TL Rudge, N Shine, A Verma, MS Willis, SA Morse. 2009. The case for developing consensus standards for research in microbial pathogenesis: *Bacillus anthracis* toxins as an example. *Infect Immun*. 77(10):4182-6

Multiple contributing authors to the voluntary consensus standard, including **KH Clement**, "Standardization of in vitro Assays to Determine Anthrax Toxin Activities." American National Standards Institute (ANSI); ANSI/ATCC ASN-0001-2009

PUBLISHED ABSTRACTS

Clement KH, TL Rudge, Jr., NT Huber, KA Newman, KA Sankovich, RH Migliozi, and CL Sabourin. 2012. Production and Qualification of Unrestricted Reagents to Support Anthrax Assays. ASM Biodefense. February 26 – 29, Rockville, Maryland.

Gainey M, A Puttmann, TL Rudge, Jr., **KH Clement**, R Krile, E Vela, and J Blank. 2012. A Validated Procedure for the Rapid Detection of the *Bacillus anthracis* Protective Antigen in Serum by the Electrochemiluminescence Screening Assay During Studies Testing Therapeutic Products. Women in Science and Engineering (WISE) Symposium 2012, Battelle Memorial Institute, Columbus, Ohio.

O'Conner E, **KH Clement**, RH Miglioizzi, C Howland, and L Casey. 2011. Observations on the Development of an ELISA for Protective Antigen of *Bacillus anthracis* in Serum. The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2011 Meeting, August 7-11, Bruges, Belgium.

Clement KH, TL Rudge Jr., HJ Mayfield, LA Carlton, A Hester, NA Niemuth, CL Sabourin, AM Brys, and CP Quinn. 2009. Vaccination with Anthrax Vaccine Adsorbed (AVA) Provides Protection Against Multiple Molecular Targets from Inhalation Infection with Bacillus Anthracis Spores. The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2009, Meeting August 3 – September 3, Santa Fe, New Mexico.

Clement KH, JL Mango, and TL Rudge Jr. 2009. Development of an Interspecies Enzyme Linked Immunosorbent Assay (ELISA) to Detect Bacillus Anthracis Protective Antigen (PA) in Serum. The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2009, Meeting August 3 – September 3, Santa Fe, New Mexico.

TL Rudge, Jr., CL Sabourin, **KH Clement**, **NA Niemuth**, AM Shesky, LA Carlton, H Mayfield, and CP Quinn. 2009. Comparison of Anti-PA IgG ELISA Results from Two Independent Laboratories Show that the Assay is Robust. The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2009, Meeting August 3 – September 3, Santa Fe, New Mexico.

Syar E, **KH Clement**, J Austin, R Barnewall. 2009. Determination of the guinea pig intradermal media lethal dose for *B. anthracis* Ames spores. The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2009, Meeting August 3 – September 3, Santa Fe, New Mexico.

Clement KH, D Lansky, C Wager, TL Rudge, DR Watson, E Luzano, C Landsettle, J Senft, and C Sabourin. 2007. Validation of the Rabbit Anthrax High Throughput Toxin Neutralization Assay (htpTNA). The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2007, Meeting June 17 – 21, Oslo, Norway.

Rudge TL, **KH Clement**, LA Carlton, A Hester, AM Brys, D Pohlman, D Robinson, N Marano, CP Quinn, and C Sabourin. 2007. PA63 Toxin Neutralization Assay in Non-Human Primates Vaccinated with Anthrax Vaccine Adsorbed (AVA): AVRP Immune Correlates of Protection Study. The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2007, Meeting June 17 – 21, Oslo, Norway.

Mott J, G Meister, RE Hunt, **KH Clement**, M Babin, R LeClaire, J Estep. 2006. Rabbit Model for Inhalation Anthrax. ASM Biodefense. February 23 – 26, Washington, DC.

Marano N, K Hogan, **KH Long**, D Rodabaugh, N Rosenstein, R Besser, CA Dykewicz, and CP Quinn. 2005. Anthrax Immune Globulin Efficacy in Animals. The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2005, Meeting September 25-29, Santa Fe, New Mexico.

Long KH, CM Matthews, TR Moir, KE Kersey, RE Hunt, JE Estep, AV Tatro, Quinn CP, and L Falk. 2005. Analysis of Rabbit Serum Samples by Enzyme Linked immunosorbent Assay (ELISA) and Lethal Toxin Neutralization Assay (TNA) for the

Detection, Quantification, and Assessment of Neutralizing Capability of Anthrax Protective Antigen (PA) Specific Antibody. The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2005, Meeting September 25-29, Santa Fe, New Mexico.

Sabourin PJ, RE Barnewall, PH Olson, TL Rudge, **KH Long**, EB Heller, KE Sayers, E Nuzum, JA Hewitt, JM Mott, RD LeClaire, RE Hunt, and JE Estep. 2005. Short Duration Ciprofloxacin Therapy Provides High Protection to Non-Human Primates Challenged with Aerosolized *B. anthracis* Spores. The International Conference on *Bacillus anthracis*, *B. cereus* and *B. thuringiensis* (Bacillus ACT) 2005, Meeting September 25-29, Santa Fe, New Mexico.

Long KH, FJ Gomez, and SL Newman. 2002. Identification of Heat Shock Protein 60 as the ligand on *Histoplasma capsulatum* that Mediates Binding to CD18 Receptors on Human Macrophages. American Society for Microbiology, Meeting May 20 – 23, Salt Lake City, Utah.

INVITED SPEAKER

March 2011. Validation of BioAssays. Battelle Memorial Institute Brown Bag Luncheon, Battelle Biomedical Research Center, West Jefferson, Ohio.

February 2009. Overview of the Anthrax Protective Antigen Enzyme Linked Immunosorbent Assay. Food and Drug Administration Symposium on Anthrax Animal Model Update sponsored by the National Institutes of Allergy and Infectious Diseases. White Oak Campus, Silver Spring, Maryland.

July 2007. Alternative Careers in Science. Kristin H. Clement, The Ohio State University, The Bennett Society, Doctoral Career Day. Columbus, Ohio.

May 2006. My Career in Science – Past, Present, Future. Danville High School Career Day, Danville, Ohio.

April 2005. Brucellosis; Undulant Fever. Battelle Memorial Institute Brown Bag Luncheon, Battelle Biomedical Research Center, West Jefferson, Ohio.

April 2004. Validation of the Bio-Tek® ELx800 Microplate Reader and KC4 Software. IBC's 8th International Symposium of the Biological Assay Development & Validation Course, San Diego, California.