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Education

Fellowship, Infectious Diseases, National Capitol Consortium, Bethesda, MD	1997-1999
Residency, Internal Medicine, National Naval Medical Center, Bethesda, MD	1994-1997
M.D., Indiana University School of Medicine, Indianapolis, IN	1990-1994
B.S. in Chemistry, U.S. Naval Academy, Annapolis, MD	1986-1990
M.P.H., Uniformed Services University of the Health Sciences, Bethesda, MD	1999-2000

Departments of Preventive Medicine & Biostatistics, Medicine, and
Interdisciplinary Program in Emerging Infectious Diseases
Uniformed Services University, Bethesda, MD

Current Position

Director, Infectious Disease Clinical Research
Uniformed Services University, Hebert School of
MD

Professional Experience

Chief, Infectious Diseases Service, Walter Reed
Center, Bethesda, MD
Deputy Director, Infectious Diseases Clinical
Center, Silver Spring, MD
Chief, Viral and Rickettsial Diseases Department,
Center, Silver Spring, MD
Director, Viral Diseases Program, Naval Medical
Indonesia
Consultant in Infectious Diseases, Medical
Deputy Chief, Viral Diseases Department,
Flavivirus Research Steering Committee,
Research Program, Silver Spring, MD
Principal Investigator, Naval Medical Research
Program Manager, Dengue Immunogenicity
Military Infectious Diseases Research Program
Associate Program Director, Infectious Diseases
Consortium
Member, Institutional Review Board, Naval Medical
Spring, MD
Head, Immunology Section, Viral Diseases
Center, Silver Spring, MD
Chair, Immunology Working Group, Flavivirus
Diseases Research Program, Silver Spring

Academic Appointment

Associate Professor

Certification and Licensure

Diplomate, American Board of Internal Medicine Subspecialty Certification, Infectious Diseases	1997 1999 2000
Certificate in Tropical Medicine and Travelers' Health, American Society of Tropical Medicine and Hygiene	1996
Indiana State Medical License	

Professional Memberships and Activities

Fellow, American College of Physicians	2018 1994
Member, American College of Physicians	2017
Member, Forum on Microbial Threats, National Academy of Medicine	1998
Member, Infectious Diseases Society of America	2000
Member, American Society of Tropical Medicine and Hygiene	2002
Member, American Society for Microbiology	2003
Reviewer, <i>Journal of Virology</i>	2004
Reviewer, <i>Vaccine</i>	2005
Reviewer, <i>FEMS Immunology and Microbiology</i>	2007
Reviewer, <i>Am J Trop Med Hyg</i>	2007
Reviewer, <i>PLoS Medicine</i>	2011
Reviewer, <i>PLoS Neglected Tropical Diseases</i>	2013
Reviewer, <i>Clinical Infectious Diseases</i>	2014
Reviewer, <i>PLoS One</i>	

Publications

1. Means-Markwell M, **Burgess T**, deKeraty D, O'Neil K, Mascola J, Fleisher T, Lucey D. Eosinophilia with aberrant T cells and elevated serum levels of interleukin-2 and interleukin-15. *N Engl J Med*. 2000 May 25;342(21):1568-71. PubMed PMID: 10824075.
2. **Burgess TH**, Steele KE, Schoneboom BA, Grieder FB. Clinicopathologic features of viral agents of potential use by bioterrorists. *Clin Lab Med*. 2001 Sep;21(3):475-93, viii. Review. PubMed PMID: 11572138.
3. Marovich M, Grouard-Vogel G, Louder M, Eller M, Sun W, Wu SJ, Putvatana R, Murphy G, Tassaneeritthep B, **Burgess T**, Birx D, Hayes C, Schlesinger-Frankel S, Mascola J. Human dendritic cells as targets of dengue virus infection. *J Invest Dermatol Symp Proc*. 2001 Dec;6(3):219-24. PubMed PMID: 11924831.
4. Tassaneeritthep B, **Burgess TH**, Granelli-Piperno A, Trumfheller C, Finke J, Sun W, Eller MA, Pattanapanyasat K, Sarasombath S, Birx DL, Steinman RM, Schlesinger S, Marovich MA. DC-SIGN (CD209) mediates dengue virus infection of human dendritic cells. *J Exp Med*. 2003 Apr 7;197(7):8239. PubMed PMID: 12682107; PubMed Central PMCID: PMC2193896.
5. Palmer DR, Sun P, Celluzzi C, Bisbing J, Pang S, Sun W, Marovich MA, **Burgess T**. Differential effects of dengue virus on infected and bystander dendritic cells. *J Virol*. 2005 Feb;79(4):2432-9. PubMed PMID: 15681444; PubMed Central PMCID: PMC546567.
6. Susi B, Whitman T, Blazes DL, **Burgess TH**, Martin GJ, Freilich D. Rapid diagnostic test for Plasmodium falciparum in 32 Marines medically evacuated from Liberia with a febrile illness. *Ann Intern Med*. 2005 Mar 15;142(6):476-7. PubMed PMID: 15767635.
7. Martin NC, Pardo J, Simmons M, Tjaden JA, Widjaja S, Marovich MA, Sun W, Porter KR, **Burgess TH**. An immunocytometric assay based on dengue infection via DC-SIGN permits rapid measurement of anti-dengue neutralizing antibodies. *J Virol Methods*. 2006 Jun;134(1-2):74-85. Epub 2006 Jan 18. PubMed PMID: 16417930.
8. Sun P, Celluzzi CM, Marovich M, Subramanian H, Eller M, Widjaja S, Palmer D, Porter K, Sun W, **Burgess T**. CD40 ligand enhances dengue viral infection of dendritic cells: a possible mechanism for T cell-mediated immunopathology. *J Immunol*. 2006 Nov 1;177(9):6497-503. PubMed PMID: 17056582.
9. Palmer DR, Fernandez S, Bisbing J, Peachman KK, Rao M, Barvir D, Gunther V, **Burgess T**, Kohno Y, Padmanabhan R, Sun W. Restricted replication and lysosomal trafficking of yellow fever 17D vaccine virus in human dendritic cells. *J Gen Virol*. 2007 Jan;88(Pt 1):148-56. PubMed PMID: 17170447.

10. Doolan DL, Freilich DA, Brice GT, **Burgess TH**, Berzins MP, Bull RL, Graber NL, Dabbs JL, Shatney LL, Blazes DL, Bebris LM, Malone MF, Eisold JF, Mateczun AJ, Martin GJ. The US capitol bioterrorism anthrax exposures: clinical epidemiological and immunological characteristics. *J Infect Dis.* 2007 Jan 15;195(2):174-84. Epub 2006 Dec 6. PubMed PMID: 17191162.
11. Fernandez S, Palmer DR, Simmons M, Sun P, Bisbing J, McClain S, Mani S, **Burgess T**, Gunther V, Sun W. Potential role for Toll-like receptor 4 in mediating Escherichia coli maltose-binding protein activation of dendritic cells. *Infect Immun.* 2007 Mar;75(3):1359-63. Epub 2007 Jan 12. PubMed PMID: 17220311; PubMed Central PMCID: PMC1828564.
12. Putnam SD, Sedyaningsih ER, Listiyaningsih E, Pulungsih SP, Komalarini, Soenarto Y, Salim OCh, Subekti D, Riddle MS, **Burgess TH**, Blair PJ. Group A rotavirus-associated diarrhea in children seeking treatment in Indonesia. *J Clin Virol.* 2007 Dec;40(4):289-94. Epub 2007 Oct 30. PubMed PMID: 17977785.
13. Boonnak K, Slike BM, **Burgess TH**, Mason RM, Wu SJ, Sun P, Porter K, Rudiman IF, Yuwono D, Puthavathana P, Marovich MA. Role of dendritic cells in antibody-dependent enhancement of dengue virus infection. *J Virol.* 2008 Apr;82(8):3939-51. doi: 10.1128/JVI.02484-07. Epub 2008 Feb 13. PubMed PMID: 18272578; PubMed Central PMCID: PMC2292981.
14. Putnak JR, de la Barrera R, **Burgess T**, Pardo J, Dessy F, Gheysen D, Lobet Y, Green S, Endy TP, Thomas SJ, Eckels KH, Innis BL, Sun W. Comparative evaluation of three assays for measurement of dengue virus neutralizing antibodies. *Am J Trop Med Hyg.* 2008 Jul;79(1):115-22. PubMed PMID: 18606774.
15. Sun P, Fernandez S, Marovich MA, Palmer DR, Celluzzi CM, Boonnak K, Liang Z, Subramanian H, Porter KR, Sun W, **Burgess TH**. Functional characterization of ex vivo blood myeloid and plasmacytoid dendritic cells after infection with dengue virus. *Virology.* 2009 Jan 20;383(2):207-15. doi: 10.1016/j.virol.2008.10.022. Epub 2008 Nov 17. PubMed PMID: 19013627.
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17. Raviprakash K, Defang G, **Burgess T**, Porter K. Advances in dengue vaccine development. *Hum Vaccin.* 2009 Aug;5(8):520-8. Epub 2009 Aug 13. Review. PubMed PMID: 19535912.
18. Takhampunya R, Palmer DR, McClain S, Barvir DA, Lynch J, Jarman RG, Thomas S, Gibbons RV, **Burgess TH**, Sun P, Kamau E, Putnak R, Zhang C. Phenotypic analysis of dengue virus isolates associated with dengue fever and dengue hemorrhagic fever for cellular attachment, replication and interferon signaling ability. *Virus Res.* 2009 Oct;145(1):31-8. doi: 10.1016/j.virusres.2009.05.016. Epub 2009 Jun 21. PubMed PMID: 19540887.
19. Simmons M, **Burgess T**, Lynch J, Putnak R. Protection against dengue virus by non-replicating and live attenuated vaccines used together in a prime boost vaccination strategy. *Virology.* 2010 Jan 20;396(2):280-8. doi: 10.1016/j.virol.2009.10.023. Epub 2009 Nov 13. PubMed PMID: 19913867.
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25. Beckett CG, Tjaden J, **Burgess T**, Danko JR, Tamminga C, Simmons M, Wu SJ, Sun P, Kochel T, Raviprakash K, Hayes CG, Porter KR. Evaluation of a prototype dengue-1 DNA vaccine in a Phase 1 clinical trial. *Vaccine*. 2011 Jan 29;29(5):960-8. doi: 10.1016/j.vaccine.2010.11.050. Epub 2010 Nov 25. PubMed PMID: 21111785.
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28. Crum-Cianflone NF, Iverson E, Defang G, Blair PJ, Eberly LE, Maguire J, Ganesan A, Faix D, Duplessis C, Lalani T, Whitman T, Brandt C, Macalino G, Millar EV, **Burgess T**. Durability of antibody responses after receipt of the monovalent 2009 pandemic influenza A (H1N1) vaccine among HIV-infected and HIV-uninfected adults. *Vaccine*. 2011 Apr 12;29(17):3183-91. doi: 10.1016/j.vaccine.2011.02.040. Epub 2011 Mar 1. PubMed PMID: 21371580; PubMed Central PMCID: PMC3078993.
29. Campo JJ, Whitman TJ, Freilich D, **Burgess TH**, Martin GJ, Doolan DL. Toward a surrogate marker of malaria exposure: modeling longitudinal antibody measurements under outbreak conditions. *PLoS One*. 2011;6(7):e21826. doi: 10.1371/journal.pone.0021826. Epub 2011 Jul 27. PubMed PMID: 21818270; PubMed Central PMCID: PMC3144875.
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33. Raviprakash K, Luke T, Doukas J, Danko J, Porter K, **Burgess T**, Kochel T. A dengue DNA vaccine formulated with Vaxfectin® is well tolerated, and elicits strong neutralizing antibody responses to all four dengue serotypes in New Zealand white rabbits. *Hum Vaccin Immunother*. 2012 Dec 1;8(12):1764-8. doi: 10.4161/hv.21806. Epub 2012 Oct 2. PubMed PMID: 23032166; PubMed Central PMCID: PMC3656063.
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36. Kosasih H, de Mast Q, Widjaja S, Sudjana P, Antonjaya U, Ma'roef C, Riswari SF, Porter KR, **Burgess TH**, Alisjahbana B, van der Ven A, Williams M. Evidence for endemic chikungunya virus infections in Bandung, Indonesia. *PLoS Negl Trop Dis*. 2013 Oct 24;7(10):e2483. doi: 10.1371/journal.pntd.0002483. eCollection 2013. PubMed PMID: 24205417; PubMed Central PMCID: PMC3812099.
37. Kosasih H, Alisjahbana B, Widjaja S, Nurhayati, de Mast Q, Parwati I, Blair PJ, **Burgess TH**, van der Ven A, Williams M. The diagnostic and prognostic value of dengue non-structural 1 antigen detection in a hyper-endemic region in Indonesia. *PLoS One*. 2013 Nov 19;8(11):e80891. doi:

- 10.1371/journal.pone.0080891. eCollection 2013. PubMed PMID: 24260501; PubMed Central PMCID: PMC3834322.
38. Lalani T, Maguire JD, Grant EM, Fraser J, Ganesan A, Johnson MD, Deiss RG, Riddle MS, **Burgess T**, Tribble DR; IDCRP TravMil Study Group. Epidemiology and self-treatment of travelers' diarrhea in a large, prospective cohort of department of defense beneficiaries. *J Travel Med*. 2015 May-Jun;22(3):152-60. doi: 10.1111/jtm.12179. Epub 2014 Dec 7. PubMed PMID: 25483360; PubMed Central PMCID: PMC4409454.
 39. Morgan MK, Whitman TJ, Cohen JI, Pittaluga S, Mitchum MD, Jarell AD, **Burgess TH**. A patient with Fever and rash. *Clin Infect Dis*. 2014 Jul 1;59(1):95, 136-7. doi: 10.1093/cid/ciu197. PubMed PMID: 25551834; PubMed Central PMCID: PMC4305125.
 40. Chen WJ, Arnold JC, Fairchok MP, Danaher PJ, McDonough EA, Blair PJ, Garcia J, Halsey ES, Schofield C, Ottolini M, Mor D, Ridoré M, **Burgess TH**, Millar EV. Epidemiologic, clinical, and virologic characteristics of human rhinovirus infection among otherwise healthy children and adults: rhinovirus among adults and children. *J Clin Virol*. 2015 Mar;64:74-82. doi: 10.1016/j.jcv.2015.01.007. Epub 2015 Jan 13. PubMed PMID: 25728083; PubMed Central PMCID: PMC4347877.
 41. Fairchok MP, Chen WJ, Arnold JC, Schofield C, Danaher PJ, McDonough EA, Ottolini M, Mor D, Ridoré M, **Burgess TH**, Millar EV. Neuraminidase inhibitor therapy in a military population. *J Clin Virol*. 2015 Jun;67:17-22. doi: 10.1016/j.jcv.2015.03.018. Epub 2015 Mar 24. PubMed PMID: 25959151; PubMed Central PMCID: PMC4427829.
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 45. Kosasih H, Alisjahbana B, Nurhayati, de Mast Q, Rudiman IF, Widjaja S, Antonjaya U, Novriani H, Susanto NH, Jusuf H, van der Ven A, Beckett CG, Blair PJ, **Burgess TH**, Williams M, Porter KR. The Epidemiology, Virology and Clinical Findings of Dengue Virus Infections in a Cohort of Indonesian Adults in Western Java. *PLoS Negl Trop Dis*. 2016 Feb 12;10(2):e0004390. doi: 10.1371/journal.pntd.0004390. eCollection 2016 Feb. PubMed PMID: 26872216; PubMed Central PMCID: PMC4752237.
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 49. Lalani T, Yun H, Tribble D, Ganesan A, Kunz A, Fairchok M, Schnaubelt E, Fraser J, Mitra I, Kronmann KC, **Burgess T**, Deiss RG, Riddle MS, Johnson MD. A comparison of compliance rates with anti-vectorial protective measures during travel to regions with dengue or chikungunya activity, and regions endemic for Plasmodium falciparum malaria. *J Travel Med*. 2016 Jul 4;23(5). doi: 10.1093/jtm/taw043. Print 2016 May. PubMed PMID: 27378367; PubMed Central PMCID: PMC4939934.
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51. PREVAIL II Writing Group; **Multi-National PREVAIL II Study Team**, Davey RT Jr, Dodd L, Proschan MA, Neaton J, Neuhaus Nordwall J, Koopmeiners JS, Beigel J, Tierney J, Lane HC, Fauci AS, Massaquoi MBF, Sahr F, Malvy D. A Randomized, Controlled Trial of ZMapp for Ebola Virus Infection. *N Engl J Med*. 2016 Oct 13;375(15):1448-1456. PubMed PMID: 27732819; PubMed Central PMCID: PMC5086427.
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57. Riddle MS, Connor BA, **Burgess T**, Ericsson CD. Reply to JTM-17-106 Comment on 'Guidelines for the prevention of and treatment of travellers' diarrhoea: a graded expert panel report by Riddle et al.' *J Travel Med*. 2017 Sep 1;24(6). doi: 10.1093/jtm/tax060. PubMed PMID: 29088482.
58. Fischer WA Nd, Vetter P, Bausch DG, **Burgess T**, Davey RT Jr, Fowler R, Hayden FG, Jahrling PB, Kalil AC, Mayers DL, Mehta AK, Uyeki TM, Jacobs M. Ebola virus disease: an update on postexposure prophylaxis. *Lancet Infect Dis*. 2017 Nov 15. pii: S1473-3099(17)30677-1. doi: 10.1016/S1473-3099(17)30677-1.
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