

Last Updated August 2022

Publications

Vogt, M. R., J. Fu, N. Kose, L. E. Williamson, R. Bombardi, I. Setliff, I. S. Georgiev, T. Klose, M. G. Rossmann, B. L. Hurst, E. B. Tarbet, Y. A. Bochkov, J. E. Gern, R. J. Kuhn, and J. E. Crowe, Jr. Human antibodies neutralize enterovirus D68 and protect against infection and paralytic disease. *Science Immunology*. 2020 Jul; 5(49): eaba4902. PMID: 32620559

Vogt, M. R., K. A. Dowd, M. Engle, R. B. Tesh, S. Johnson, T. C. Pierson, and M. S. Diamond. Poorly neutralizing cross-reactive antibodies against the fusion loop of West Nile virus envelope protein protect in vivo via Fc-gamma receptor and complement-dependent effector mechanisms. *Journal of Virology*. 2011 Nov; 85(22):11567-80. PMID:21917960

Lazear, H. M., A. K. Pinto, **M. R. Vogt**, M. Gale Jr., and M. S. Diamond. Beta interferon controls West Nile virus infection and pathogenesis in mice. *Journal of Virology*. 2011 Jul; 85 (14): 7186-94. PMID: 21543483

Kaufmann B., **M. R. Vogt**, J. Goudsmit, H. A. Holdaway, A. A. Aksyuk, P. R. Chipman, R. J. Kuhn, M. S. Diamond, and M. G. Rossmann. Neutralization of West Nile virus by cross-linking of its surface proteins with Fab fragments of the human monoclonal antibody CR4354. *Proceedings of the National Academy of Sciences of the United States of America*. 2010 Nov; 107 (44): 18950-5. PMID: 20956322

Dunn, M. D., S. L. Rossi, D. M. Carter, **M. R. Vogt**, E. Mehlhop, M. S. Diamond, and T. M. Ross. Enhancement of anti-DIII antibodies by the C3d derivative P28 results in lower viral titers and augments protection in mice. *Virology Journal*. 2010 May; 7:95. PMID: 20462412

[*equal contributors] Zhang, S.* , **M. R. Vogt***, T. Oliphant, M. Engle, E. I. Bovshik, M. S. Diamond, and D. W. Beasley. Development of resistance to passive therapy with a potentially neutralizing humanized monoclonal antibody against West Nile virus. *Journal of Infectious Diseases*. 2009 Jul; 200 (2): 202-5. PMID: 19527169

Vogt, M. R., B. Moesker, J. Goudsmit, M. Jongeneelen, S. K. Austin, T. Oliphant, S. Nelson, T. C. Pierson, J. Wilschut, M. Throsby, and M. S. Diamond. Human monoclonal antibodies against West Nile virus induced by natural infection neutralize at a post-attachment step. *Journal of Virology*. 2009 Jul; 83 (13): 6496-507. PMID: 19386704

Other peer reviewed articles

[*equal contributors, #corresponding author] Passiak, B. S.* , **M. R. Vogt*#**, M. Wolf, A Sarma, and N. Vu. A Severe Case of Enterovirus A71 Acute Flaccid Myelitis with Encephalitis. *Journal of the Pediatric Infectious Diseases Society*. 2020 Dec 31; 9 (6): 777-780. PMID: 32535628

Vogt, M. R., and J. E. Crowe, Jr. Current understanding of humoral immunity to enterovirus D68. *Journal of the Pediatric Infectious Diseases Society*. 2018 Dec; 7 (suppl_2): S49-S53. PMID: 30590621