

## Publications

1. "Antibody profiling of canine IgG responses to the OspC protein of the Lyme disease spirochetes supports a multivalent approach in vaccine and diagnostic assay development." Oliver LD Jr, Earnhart CG, Virginia-Rhodes D, Theisen M, Marconi RT. *Vet J.* 2016 Dec;218:27-33. doi: 10.1016/j.tvjl.2016.11.001. PMID: 27938705 Free Article
2. "Comparison of effectiveness of cefovecin, doxycycline, and amoxicillin for the treatment of experimentally induced early Lyme borreliosis in dogs." Wagner B, Johnson J, Garcia-Tapia D, Honsberger N, King V, Strietzel C, Hardham JM, Heinz TJ, Marconi RT, Meeus PF. *BMC Vet Res.* 2015 Jul 25;11:163. doi: 10.1186/s12917-015-0475-9. PMID: 26205247 Free PMC Article
3. "Assessment of the potential contribution of the highly conserved C-terminal motif (C10) of *Borrelia burgdorferi* outer surface protein C in transmission and infectivity." Earnhart CG, Rhodes DV, Smith AA, Yang X, Tegels B, Carlyon JA, Pal U, Marconi RT. *Pathog Dis.* 2014 Mar;70(2):176-84. doi: 10.1111/2049-632X.12119. PMID: 24376161 Free PMC Article
4. "Identification of *Borrelia burgdorferi* ospC genotypes in canine tissue following tick infestation: implications for Lyme disease vaccine and diagnostic assay design." Rhodes DV, Earnhart CG, Mather TN, Meeus PF, Marconi RT. *Vet J.* 2013 Nov;198(2):412-8. doi: 10.1016/j.tvjl.2013.07.019. PMID: 23962611 Free PMC Article
5. "Antibodies to *Borrelia burgdorferi* OspA, OspC, OspF, and C6 antigens as markers for early and late infection in dogs." Wagner B, Freer H, Rollins A, Garcia-Tapia D, Erb HN, Earnhart C, Marconi R, Meeus P. *Clin Vaccine Immunol.* 2012 Apr;19(4):527-35. doi: 10.1128/CVI.05653-11. PMID: 22336289 Free PMC Article
6. "An octavalent Lyme disease vaccine induces antibodies that recognize all incorporated OspC type-specific sequences." Earnhart CG, Marconi RT. *Hum Vaccin.* 2007 Nov-Dec;3(6):281-9. PMID: 17921702
7. "Delineation of species-specific binding properties of the CspZ protein (BBH06) of Lyme disease spirochetes: evidence for new contributions to the pathogenesis of *Borrelia* spp." Rogers EA, Marconi RT. *Infect Immun.* 2007 Nov;75(11):5272-81. PMID: 17846117 Free PMC Article
8. "OspC phylogenetic analyses support the feasibility of a broadly protective polyvalent chimeric Lyme disease vaccine." Earnhart CG, Marconi RT. *Clin Vaccine Immunol.* 2007 May;14(5):628-34. PMID: 17360854 Free PMC Article
9. "Construction and analysis of variants of a polyvalent Lyme disease vaccine: approaches for improving the immune response to chimeric vaccinogens." Earnhart CG, Marconi RT. *Vaccine.* 2007 Apr 30;25(17):3419-27. PMID: 17239505 Free PMC Article
10. "Analysis of antibody response in humans to the type A OspC loop 5 domain and assessment of the potential utility of the loop 5 epitope in Lyme disease vaccine development." Buckles EL, Earnhart CG, Marconi RT. *Clin Vaccine Immunol.* 2006 Oct;13(10):1162-5. PMID: 17028218 Free PMC Article
11. "Development of an OspC-based tetravalent, recombinant, chimeric vaccinogen that elicits bactericidal antibody against diverse Lyme disease spirochete strains." Earnhart CG, Buckles EL, Marconi RT. *Vaccine.* 2007 Jan 5;25(3):466-80. PMID: 16996663
12. "Demonstration of OspC type diversity in invasive human Lyme disease isolates and identification of previously uncharacterized epitopes that define the specificity of the OspC murine antibody response." Earnhart CG, Buckles EL, Dumler JS, Marconi RT. *Infect Immun.* 2005 Dec;73(12):7869-77. PMID: 16299277 Free PMC Article

## Publications continued

13. "Demonstration of the involvement of outer surface protein E coiled coil structural domains and higher order structural elements in the binding of infection-induced antibody and the complement-regulatory protein, factor." H. McDowell JV, Wolfgang J, Senty L, Sundry CM, Noto MJ, Marconi RT. *J Immunol.* 2004 Dec 15;173(12):7471-80. PMID: 15585873 Free Article
14. "Analysis of the OspE determinants involved in binding of factor H and OspE-targeting antibodies elicited during *Borrelia burgdorferi* infection in mice." Metts MS, McDowell JV, Theisen M, Hansen PR, Marconi RT. *Infect Immun.* 2003 Jun;71(6):3587-96. PMID: 12761144 Free PMC Article
15. "Identification of a protein in several *Borrelia* species which is related to OspC of the Lyme disease spirochetes." Marconi RT, Samuels DS, Schwan TG, Garon CF. *J Clin Microbiol.* 1993 Oct;31(10):2577-83. PMID: 8253952 Free PMC Article
16. "Variability of osp genes and gene products among species of Lyme disease spirochetes." Marconi RT, Konkel ME, Garon CF. *Infect Immun.* 1993 Jun;61(6):2611-7. PMID: 8500899 Free PMC Article
17. "Transcriptional analyses and mapping of the ospC gene in Lyme disease spirochetes." Marconi RT, Samuels DS, Garon CF. *J Bacteriol.* 1993 Feb;175(4):926-32. PMID: 7679385 Free PMC Article