

# 2013 PUBLICATIONS AND PRESENTATIONS

## Scientific Publications

Pattaradiolkrat S, Li J, Wu J, Qi Y, Eastman RT, Zilversmit M, Nair SC, Huaman MC, Quinones M, Jiang H, Li N, Zhu J, Zhao K, Kaneko O, Long CA, Su XZ. Plasmodium genetic loci linked to host cytokine and chemokine responses. *Genes and Immunity* [In press].

Vargas-Inchaustegui DA, Xiao P, Hogg AE, Demberg T, McKinnon K, Venzon D, Cofano E, DiPasquale J, Lee EU, Hudacik L, Pal R, Sui Y, Berzofsky JA, Liu L, Langermann S, Robert-Guroff M. Immune targeting of PD-1hi expressing cells during and after antiretroviral therapy in SIV-infected rhesus macaques. *Virology* [In press]

Shytaj IL, Lewis MG, Della Corte A, Chirullo B, Wagner W, Ferrari MG, Labranche C, Palamara AT, Montefiori D, Garaci E, Savarino A. Spontaneous control of viremia after suspension of Auranofin, Buthionine Sulfoximine and suppressive antiretroviral therapy in chronically SIVmac251-infected rhesus macaques. *Retrovirology*, 2013 [In press].

Thomas MA, Demberg T, Vargas-Inchaustegui DA, Xiao P, Tuero I, Venzon D, Weiss D, Treece J, Robert-Guroff M. Rhesus macaque rectal and duodenal tissues exhibit B-cell sub-populations distinct from peripheral blood that continuously secrete antigen-specific IgA in short-term explant cultures. *Vaccine*. Available online 25 December 2013.

Valentine M, Song K, Maresh GA, Mack H, Huaman MC, Polacino P, Ho O, Cristillo A, Chung HK, Hu SL, Pincus SH. Expression of the memory marker CD45RO on helper T cells in macaques. *PLoS One*. Sep 4;8(9):e73969 2013.

Demberg T, Brocca-Cofano E, Kuate S, Aladi S, Vargas-Inchaustegui DA, Venzon D, Kalisz I, Kalyanaraman VS, Lee EM, Pal R, DiPasquale J, Ruprecht RM, Montefiori DC, Srivastava I, Barnett SW, Robert-Guroff M. Impact of antibody quality and anamnestic response on viremia control

post-challenge in a combined Tat/Env vaccine regimen in rhesus macaques. *Virology* 440:210-21, 2013.

Del Prete GQ, Scarlotta M, Newman L, Reid C, Parodi LM, Roser JD, Oswald K, Marx PA, Miller CJ, Desrosiers RC, Barouch DH, Pal R, Piatak M Jr, Chertova E, Giavedoni LD, O'Connor DH, Lifson JD, Keele BF. Comparative Characterization of Transfection- and Infection-Derived SIV Challenge Stocks for In Vivo Non-Human Primate Studies. *J Virol.* 87:4584-95, 2013.

Pegu P, Vaccari M, Gordon S, Keele B, Doster M, Guan YJ, Ferrari G, Pal R, Ferrari M, Whitney S, Hudacik L, Billings E, Rao M, Montefiori D, Tomaras G, Alam M, Fenizia C, Lifson ZJ, Stablein D, Tartaglia J, Michael N, Kim J, Venzon D, Franchini G. Antibodies with high avidity to the gp120 envelope protein in protection from SIVmac251 acquisition in an immunization regimen that mimics the RV-144 Thai Trial. *J Virol* 87:1708-19, 2013.

Moschella PC, McKillop J, Pleasant DL, Harston RK, Balasubramanian S, Kuppuswamy D. mTOR complex 2 mediates Akt phosphorylation that requires PKC $\epsilon$  in adult cardiac muscle cells. *Cell Signal.* 2013 Sep;25(9):1904-12. Epub 2013 May 11.

## Presentations/Abstracts

Cristillo A. Increased antibody breadth following immunization with an HIV-1 envelope-based DNA prime/protein boost vaccine. World Vaccine Congress. National Harbor, MD. April 17, 2013.

Ferrari MG. Evaluating mucosal immune responses to HIV vaccines in preclinical animal models. Presentation to ETEC Vaccine Program, Naval Medical Research Center. Silver Spring, MD. June 19, 2013.

Cristillo A. Characterizing B cell subpopulations following vaccination using flow cytometry. NHP B Cell Working Group, under the National Institute of Allergy and Infectious Diseases and Office of AIDS Research. September 25, 2013.

Menon V, Rangasamy SP, Kalisz I, Whitney S, Francis J, Petrovsky N, Kalyanaraman V, Pal R. Characterization of anti-SIV antibody responses elicited by a DNA prime/trimeric Envelope protein boost vaccine in rabbits and nonhuman primates. AIDS Vaccine 2013, Barcelona, October 7-10, 2013.

Buonaguro L, Tagliamonte M, Visciano M, Anderson H, Lewis M, Pal R, Tornesello M, Schroeder U, Hinkula J, Wahren B, Buonaguro FM. Immunogenicity of HIV virus like particles in rhesus macaques by intranasal administration. AIDS Vaccine 2013, Barcelona, October 7-10, 2013.

Fouts T, Schwartz J, Padro I, Xu R, Ota-Setlik A, Lewis G, Pal R, Bagley K. DNA prime/subunit boost using SIV (E660) based rhFLSC yields 75% efficacy against cross clade SIVmac251 intrarectal challenge. AIDS Vaccine 2013, Barcelona, October 7-10, 2013.

Rangasamy S, Menon V, Whitney S, Kalisz I, Mahalingam S, Pal R, Kalyanaraman VS. Characterization of antigenicity and Immunogenicity of a trimeric envelope protein from an Indian Clade C HIV-1 isolate. AIDS Vaccine 2013, Barcelona, October 7-10, 2013.

Kim WK, McGary CM, Chung HK, Cai Y, Sugimoto C, Kuroda MJ. Evaluation of a HIV inhibitor targeting lentivirus nucleocapside in vitro in human and rhesus macaque PBMCs 31st Annual Symposium on Nonhuman Primate Models for AIDS Atlanta, GA, Nov 3-6 2013.

Chung HK, Polacino P, Pal R, Hu SL, Li Q, Pincus SH. Viral reservoirs and activation in animal models: SHIV-Infected macaques. 3rd World Congress on Virology 2013, Baltimore MD, November 21, 2013.

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