

2011 SIgN Publications

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Andiappan AK, Wang de Y, Anantharaman R, Parate PN, Suri BK, Low HQ, Li Y, Zhao W, Castagnoli P, Liu J, Chew FT. Genome-wide association study for atopy and allergic rhinitis in a Singapore Chinese population. *PLoS One.* 2011; 6(5):e19719.

Balakrishnan T, Bela-Ong DB, Toh YX, Flamand M, Devi S, Koh MB, Hibberd ML, Ooi EE, Low JG, Leo YS, Gu F, Fink K. Dengue virus activates polyreactive, natural IgG B cells after primary and secondary infection. *PLoS One.* 2011;6(12):e29430.

Bouillet LE, Dias MO, Dorigo NA, Moura AD, Russell B, Nosten F, Renia L, Braga EM, Gazzinelli RT, Rodrigues MM, Soares IS, Bruna-Romero O. Long-term humoral and cellular immune responses elicited by a heterologous Plasmodium vivax Apical Membrane Antigen 1 protein-prime/adenovirus-boost immunization protocol. *Infect Immun.* Sep 2011; 79(9):3642-3652.

Choi H, Pavelka N. When one and one gives more than two: Challenges and opportunities of integrative omics. *Front Gene.* 2011; 2:105.

Chong SZ, Wong KL, Lin G, Yang CM, Wong SC, Angeli V, Macary PA, Kemeny DM. Human CD8 T-cells drive Th1 responses through the differentiation of TNF/iNOS-producing dendritic cells. *Eur J Immunol.* Jun 2011; 41(6):1639-1651.

Chow A, Her Z, Ong EK, Chen JM, Dimatatac F, Kwek DJ, Barkham T, Yang H, Rénia L, Leo YS, Ng LF. Persistent Arthralgia Induced by Chikungunya Virus Infection is Associated with Interleukin-6 and Granulocyte Macrophage Colony-Stimulating Factor. *J Infect Dis.* 2011 Jan;203(2):149-57.

Claser C, Malleret B, Gun SY, Wong AY, Chang ZW, Teo P, See PC, Howland SW, Ginhoux F, Renia L. CD8 T Cells and IFN-gamma Mediate the Time-Dependent Accumulation of Infected Red Blood Cells in Deep Organs during Experimental Cerebral Malaria. *PLoS One.* 2011; 6(4):e18720.

Clement CC, Rotzschke O, Santambrogio L. The lymph as a pool of self-antigens. *Trends Immunol.* Jan 2011; 32(1):6-11.

Conforti-Andreoni C, Spreafico R, Qian HL, Riteau N, Ryffel B, Ricciardi-Castagnoli P, Mortellaro A. Uric Acid-Driven Th17 Differentiation Requires Inflammasome-Derived IL-1 and IL-18. *J Immunol.* 2011 Dec 1;187(11):5842-50.

de Vries VC, Pino-Lagos K, Nowak EC, Bennett KA, Oliva C, Noelle RJ. Mast cells condition dendritic cells to mediate allograft tolerance. *Immunity.* 2011 Oct 28;35(4):550-61.

Depinay N, Franetich JF, Gruner AC, Mauduit M, Chavatte JM, Luty AJ, van Gemert GJ, Sauerwein RW, Siksik JM, Hannoun L, Mazier D, Snounou G, Renia L. Inhibitory effect of TNF-alpha on malaria pre-erythrocytic stage development: influence of host hepatocyte/parasite combinations. *PLoS One.* 2011; 6(3):e17464.

Dhorda M, Nyehangane D, Renia L, Piola P, Guerin PJ, Snounou G. Transmission of Plasmodium vivax in South-Western Uganda: Report of Three Cases in Pregnant Women. *PLoS One.* 2011; 6(5):e19801.

Facciotti F, Cavallari M, Angénieux C, Garcia-Alles LF, Signorino-Gelo F, Angman L, Gilleron M, Prandi J, Puzo G, Panza L, Xia C, Wang PG, Dellabona P, Casorati G, Porcelli SA, de la Salle H, Mori L, De Libero G. Fine tuning by human CD1e of lipid-specific immune responses. *Proc Natl Acad Sci U S A*. Aug 23 2011; 108(34):14228-14233.

Foo DG, Tay HC, Siew JY, Singhal A, Camacho L, Bifani P, Dartois V, Hervé M. T cell monitoring of chemotherapy in experimental rat tuberculosis. *Antimicrob Agents Chemother*. 2011 Aug;55(8):3677-83.

Garcia-Alles LF, Collmann A, Versluis C, Lindner B, Guiard J, Maveyraud L, Huc E, Im JS, Sansano S, Brando T, Julien S, Prandi J, Gilleron M, Porcelli SA, de la Salle H, Heck AJ, Mori L, Puzo G, Mourey L, De Libero G. Structural reorganization of the antigen-binding groove of human CD1b for presentation of mycobacterial sulfoglycolipids. *Proc Natl Acad Sci U S A*. Aug 9 2011; 108(32):13230-13235.

Garcia-Alles LF, Giacometti G, Versluis C, Maveyraud L, de Paepe D, Guiard J, Tranier S, Gilleron M, Prandi J, Hanau D, Heck AJ, Mori L, De Libero G, Puzo G, Mourey L, de la Salle H. Crystal structure of human CD1e reveals a groove suited for lipid-exchange processes. *Proc Natl Acad Sci U S A*. 2011 Aug 9;108(32):13230-5.

Ginhoux F, Merad M. [Microglia arise from extra-embryonic yolk sac primitive progenitors]. [Article in French] *Med Sci (Paris)*. 2011 Aug-Sep;27(8-9):719-24.

Hambleton S, Salem S, Bustamante J, Bigley V, Boisson-Dupuis S, Azevedo J, Fortin A, Haniffa M, Ceron-Gutierrez L, Bacon CM, Menon G, Trouillet C, McDonald D, Carey P, Ginhoux F, Alsina L, Zumwalt TJ, Kong XF, Kumararatne D, Butler K, Hubeau M, Feinberg J, Al-Muhsen S, Cant A, Abel L, Chaussabel D, Doffinger R, Talesnik E, Grumach A, Duarte A, Abarca K, Moraes-Vasconcelos D, Burk D, Berghuis A, Geissmann F, Collin M, Casanova JL, Gros P. IRF8 Mutations and Human Dendritic-Cell Immunodeficiency. *N Engl J Med*. 2011 Jul 14;365(2):127-38.

Hashimoto D, Chow A, Greter M, Saenger Y, Kwan WH, Leboeuf M, Ginhoux F, Ochando JC, Kunisaki Y, van Rooijen N, Liu C, Teshima T, Heeger PS, Stanley ER, Frenette PS, Merad M. Pretransplant CSF-1 therapy expands recipient macrophages and ameliorates GVHD after allogeneic hematopoietic cell transplantation. *J Exp Med*. 2011 May 9;208(5):1069-82.

Hernández JG, Sundén F, Connolly J, Svanborg C, Wullt B. Genetic control of the variable innate immune response to asymptomatic bacteriuria. *PLoS One*. 2011;6(11):e28289.

Hong M, Puaux AL, Huang C, Loumagne L, Tow C, Mackay C, Kato M, Prevost-Blondel A, Avril MF, Nardin A, Abastado JP. Chemotherapy induces intratumoral expression of chemokines in cutaneous melanoma, favoring T cell infiltration and tumor control. *Cancer Res*. 2011 Nov 15;71(22):6997-7009.

Howland SW, Poh CM, Rénia L. Directional, seamless, and restriction enzyme-free construction of random-primed complementary DNA libraries using phosphorothioate-modified primers. *Anal Biochem*. 2011 Sep 1;416(1):141-3.

Imwong M, Russell B, Suwanarusk R, Nzila A, Leimanis ML, Sriprawat K, Kaewpongsri S, Phy AP, Snounou G, Nosten F, Renia L. Methotrexate Is Highly Potent Against Pyrimethamine-Resistant Plasmodium vivax. *J Infect Dis*. 2011 Jan;203(2):207-10.

Kaewpongsri S, Sriprawat K, Suwanarusk R, Kyle DE, Lek-Uthai U, Leimanis M, Lwin KM, Phyothiri AP, Zwang J, Russell B, Nosten F, Renia L. The presence of leukocytes in ex vivo assays significantly increases the 50-percent inhibitory concentrations of artesunate and chloroquine against Plasmodium vivax and Plasmodium falciparum. *Antimicrob Agents Chemother*. 2011 Mar;55(3):1300-4.

Ko HL, Ren EC. Novel poly (ADP-ribose) polymerase 1 binding motif in hepatitis B virus core promoter impairs DNA damage repair. *Hepatology*. Oct 2011; 54(4):1190-1198.

Larbi A, Pawelec G, Wong SC, Goldeck D, Tai JJ, Fulop T. Impact of age on T cell signaling: A general defect or specific alterations? *Ageing Res Rev*. Jul 2011; 10(3):370-378.

Lee CY, Kam YW, Fric J, Malleret B, Koh EG, Prakash C, Huang W, Lee WW, Lin C, Lin RT, Renia L, Wang CI, Ng LF, Warter L. Chikungunya Virus Neutralization Antigens and Direct Cell-to-Cell Transmission Are Revealed by Human Antibody-Escape Mutants. *PLoS Pathog*. 2011 Dec;7(12):e1002390.

Lee Y, Chittezhath M, André V, Zhao H, Poidinger M, Biondi A, D'Amico G, Biswas SK. Protumoral role of monocytes in human B-cell precursor acute lymphoblastic leukemia: involvement of the chemokine CXCL10. *Blood*. 2011 Nov 4. [Epub ahead of print]

Lengagne R, Pommier A, Caron J, Douguet L, Garcette M, Kato M, Avril MF, Abastado JP, Bercovici N, Lucas B, Prévost-Blondel A. T cells contribute to tumor progression by favoring pro-tumoral properties of intra-tumoral myeloid cells in a mouse model for spontaneous melanoma. *PLoS One*. 2011;6(5):e20235.

Li P, Wong JJ, Sum C, Sin WX, Ng KQ, Koh MB, Chin KC. IRF8 and IRF3 co-operatively regulate rapid interferon-{beta} induction in human blood monocytes. *Blood*. 2011 Mar 10;117(10):2847-54.

Lim TS, Mortellaro A, Lim CT, Hammerling GJ, Ricciardi-Castagnoli P. Mechanical Interactions between Dendritic Cells and T Cells Correlate with T Cell Responsiveness. *J Immunol*. Jul 1 2011; 187(1):258-265.

Liu J, Chen KY, Ren EC. Structural insights into the binding of hepatitis B virus core peptide to HLA-A2 alleles: towards designing better vaccines. *Eur J Immunol*. 2011 Jul;41(7):2097-106.

Liu T, Ortiz JA, Taing L, Meyer CA, Lee B, Zhang Y, Shin H, Wong SS, Ma J, Lei Y, Pape UJ, Poidinger M, Chen Y, Yeung K, Brown M, Turpaz Y, Liu XS. Cistrome: an integrative platform for transcriptional regulation studies. *Genome Biol*. 2011 Aug 22;12(8):R83.

Luche H, Ardouin L, Teo P, See P, Henri S, Merad M, Ginhoux F, Malissen B. The earliest intrathymic precursors of CD8α(+) thymic dendritic cells correspond to myeloid-type double-negative 1c cells. *Eur J Immunol*. 2011 Aug;41(8):2165-75.

Malleret B, Claser C, Ong ASM, Suwanarusk R, Sriprawat K, Howland SW, Russell B, Nosten F, Renia L. A rapid and robust tri-color flow cytometry assay for monitoring malaria parasite development. *Sci. Rep*. 2011;1:118.

Mantovani A, Germano G, Marchesi F, Locatelli M, Biswas SK. Cancer-promoting tumor-associated macrophages: new vistas and open questions. *Eur J Immunol*. 2011 Sep;41(9):2522-5.

Mok S, Imwong M, Mackinnon MJ, Sim J, Ramaodoss R, Yi P, Mayxay M, Chotivanich K, Lioong KY, Russel B, Socheat D, Newton PN, Day NP, White NJ, Preiser PR, Nosten F, Dondorp AM, Bozdech Z. Artemisinin resistance in *Plasmodium falciparum* is associated with an altered temporal pattern of transcription. *BMC Genomics*. 2011 Aug 3;12(1):391.

Mortellaro A & Ricciardi-Castagnoli P. From vaccine practice to vaccine science: the contribution of human immunology to the prevention of infectious disease. *Immunol Cell Biol*. 2011 Mar;89(3):332-9.

Nardin A, Wong W-C, Tow C, Molina TJ, Tissier F, Audebourg A, Garcette M, Caignard A, Avril M-F, Abastado J-P, Prevost-Blondel A. Dacarbazine Promotes Stromal Remodeling and Lymphocyte Infiltration in Cutaneous Melanoma Lesions. *J Invest Dermatol*. 2011 Sep;131(9):1896-905.

Ng LG, Qin JS, Roediger B, Wang Y, Jain R, Cavanagh LL, Smith AL, Jones CA, de Veer M, Grimaldeston MA, Meeusen EN, Weninger W. Visualizing the Neutrophil Response to Sterile Tissue Injury in Mouse Dermis Reveals a Three-Phase Cascade of Events. *J Invest Dermatol*. Oct 2011; 131(10):2058-2068.

Phyo AP, Lwin KM, Price RN, Ashley EA, Russell B, Sriprawat K, Lindegardh N, Singhasivanon P, White NJ, Nosten F. Dihydroartemisinin-Piperaquine Versus Chloroquine in the Treatment of *Plasmodium vivax* Malaria in Thailand: A Randomized Controlled Trial. *Clin Infect Dis*. 2011 Nov;53(10):977-84.

Pilz GA, Braun J, Ulrich C, Felka T, Warstat K, Ruh M, Schewe B, Abele H, Larbi A, Aicher WK. Human mesenchymal stromal cells express CD14 cross-reactive epitopes. *Cytometry A*. 2011 Aug;79(8):635-45.

Proux S, Suwanarusk R, Barends M, Zwang J, Price RN, Leimanis M, Kiricharoen L, Laochan N, Russell B, Nosten F, Snounou G. Considerations on the use of nucleic acid-based amplification for malaria parasite detection. *Malar J*. 2011 Oct 28;10(1):323. [Epub ahead of print]

Puaux AL, Ong LC, Jin Y, Teh I, Hong M, Chow PK, Golay X, Abastado JP. A comparison of imaging techniques to monitor tumor growth and cancer progression in living animals. *Int J Mol Imaging*. 2011;2011:321538.

Rahman S, Connolly JE, Manuel SL, Chehimi J, Montaner LJ, Jain P. Unique Cytokine/Chemokine Signatures for HIV-1 and HCV Mono-infection versus Co-infection as Determined by the Luminex® Analyses. *J Clin Cell Immunol*. 2011 Jan 7;2(1).

Rathore AP, Paradkar PN, Watanabe S, Tan KH, Sung C, Connolly JE, Low J, Ooi EE, Vasudevan SG. Celgosivir treatment misfolds dengue virus NS1 protein, induces cellular pro-survival genes and protects against lethal challenge mouse model. *Antiviral Res*. 2011 Dec;92(3):453-60.

Rijken MJ, Boel ME, Russell B, Imwong M, Leimanis ML, Pyae Phyo A, Muehlenbachs A, Lindegardh N, McGready R, Renia L, Snounou G, Singhasivanon P, Nosten F. Chloroquine resistant vivax malaria in a pregnant woman on the western border of Thailand. *Malar J*. 2011 May 5;10:113.

Rupp B, Günther S, Makhmoor T, Schlundt A, Dickhaut K, Gupta S, Choudhary I, Wiesmüller KH, Jung G, Freund C, Falk K, Rötzschke O, Kühne R. Characterization of structural features controlling the receptiveness of empty class II MHC molecules. *PLoS One*. 2011 Apr 14;6(4):e18662.

Russell B, Li A, Lim CT. Atomic Force Microscopy as a Nanotool to Investigate Malaria-Infected Erythrocytes. *Bionanotechnology II: Global Prospects*. 2011, CRC Press: 287-295. [Book Chapter]

Russell B, Suwanarusk R, Borlon C, Costa FT, Chu CS, Rijken MJ, Sripawat K, Warter L, Koh EG, Malleret B, Colin Y, Bertrand O, Adams JH, D'Alessandro U, Snounou G, Nosten F, Rénia L. A reliable ex vivo invasion assay of human reticulocytes by Plasmodium vivax. *Blood*. Sep 29 2011; 118(13):e74-81.

Singhal A, Mathys V, Kiass M, Creusy C, Delaire B, Aliouat el M, Dartois V, Kaplan G, Bifani P. BCG induces protection against Mycobacterium tuberculosis infection in the Wistar rat model. *PLoS One*. 2011;6(12):e28082.

Siswantoro H, Russell B, Ratcliff A, Prasetyorini B, Chalfein F, Marfurt J, Kenangalem E, Wuwung M, Piera KA, Ebsworth EP, Anstey NM, Tjitra E, Price RN. In vivo and in vitro efficacy of chloroquine against Plasmodium malariae and P. ovale in Papua, Indonesia. *Antimicrob Agents Chemother*. 2011 Jan;55(1):197-202.

Storm P, Aits S, Puthia MK, Urbano A, Northen T, Powers S, Bowen B, Chao Y, Reindl W, Lee DY, Sullivan NL, Zhang J, Trulsson M, Yang H, Watson JD, Svanborg C. Conserved features of cancer cells define their sensitivity to HAMLET-induced death: c-Myc and glycolysis. *Oncogene*. 2011 Jun 6. [Epub ahead of print]

Sumaria N, Roediger B, Ng LG, Qin J, Pinto R, Cavanagh LL, Shklovskaya E, Fazekas de St Groth B, Triccas JA, Weninger W. Cutaneous immunosurveillance by self-renewing dermal {gamma}{delta} T cells. *J Exp Med*. 2011 Mar 14;208(3):505-18.

Tal O, Lim HY, Gurevich I, Milo I, Shipony Z, Ng LG, Angeli V, Shakhar G. DC mobilization from the skin requires docking to immobilized CCL21 on lymphatic endothelium and intralymphatic crawling. *J Exp Med*. Sep 26 2011; 208(10):2141-2153.

Tham M, Abastado JP. Escape of tumor immune surveillance and metastasis. Drug Discov Today: *Dis Model*. 2011; doi:10.1016/ [E-pub ahead of print]

Toh B, Wang X, Keeble J, Sim WJ, Khoo K, Wong WC, Kato M, Prevost-Blondel A, Thiery JP, Abastado JP. Mesenchymal transition and dissemination of cancer cells is driven by myeloid-derived suppressor cells infiltrating the primary tumor. *PLoS Biol*. Sep 2011; 9(9):e1001162.

Tong JC, Ng LF. Understanding infectious agents from an in silico perspective. *Drug Discov Today*. 2011 Jan;16(1-2):42-9.

Trulsson M, Yu H, Gisselsson L, Chao Y, Urbano A, Aits S, Mossberg AK, Svanborg C. HAMLET binding to α -actinin facilitates tumor cell detachment. *PLoS One*. 2011 Mar 8;6(3):e17179.

Tuana G, Volpato V, Ricciardi-Castagnoli P, Zolezzi F, Stella F, Foti M. Classification of dendritic cell phenotypes from gene expression data. *BMC Immunol*. 2011 Aug 29;12(1):50.

Warter L, Lee CY, Thiagarajan R, Grandadam M, Lebecque S, Lin RT, Bertin-Maghit S, Ng LF, Abastado JP, Desprès P, Wang CI, Nardin A. Chikungunya Virus Envelope-Specific Human Monoclonal Antibodies with Broad Neutralization Potency. *J Immunol*. Mar 1 2011; 186(5):3258-3264.

Wee LJ, Er EP, Ng LF, Tong JC. In silico prediction of the granzyme B degradome. *BMC Genomics*. 2011 Nov 30;12 Suppl 3:S11.

Wong KL, Tai JJ, Wong WC, Hao H, Sem X, Yeap WH, Kourilsky P, Wong SC. Gene expression profiling reveals the defining features of the classical, intermediate and nonclassical human monocyte subsets. *Blood*. 2011 Aug 4;118(5):e16-31.

Xiang W, Ke Z, Zhang Y, Cheng GH, Irwan ID, Sulochana KN, Potturi P, Wang Z, Yang H, Wang J, Zhuo L, Kini RM, Ge R. Isthmin is a novel secreted angiogenesis inhibitor that inhibits tumor growth in mice. *J Cell Mol Med*. Feb 2011; 15(2):359-374.