

## **2014 SigN Publications**

[\*Impact factor of immunology journals \(JCR 2013\) is available here\*](#)

Abtin A, Jain R, Mitchell AJ, Roediger B, Brzoska AJ, Tikoo S, Cheng Q, Ng LG, Cavanagh LL, von Andrian UH, Hickey MJ, Firth N, Weninger W. Perivascular macrophages mediate neutrophil recruitment during bacterial skin infection. *Nat Immunol*. 2014 Jan;15(1):45-53.

Alexander KA, Flynn R, Lineburg KE, Kuns RD, Teal BE, Olver SD, Lor M, Raffelt NC, Koyama M, Leveque L, Le Texier L, Melino M, Markey KA, Varelias A, Engwerda C, Serody JS, Janela B, Ginhoux F, Clouston AD, Blazar BR, Hill GR, MacDonald KP. CSF-1-dependant donor-derived macrophages mediate chronic graft-versus-host disease. *J Clin Invest*. 2014 Oct 1;124(10):4266-80.

Andiappan AK, Puan KJ, Lee B, Nardin A, Poidinger M, Connolly J, Chew FT, Wang DY, Rotzschke O. Allergic airway diseases in a tropical urban environment are driven by dominant mono-specific sensitization against house dust mites. *Allergy*. 2014 Apr;69(4):501-9.

Bakocevic N, Claser C, Yoshikawa S, Jones LA, Chew S, Goh CC, Malleret B, Larbi A, Ginhoux F, de Lafaille MC, Karasuyama H, Renia L, Ng LG. CD41 is a reliable identification and activation marker for murine basophils in the steady-state and during helminth and malarial infections. *Eur J Immunol*. 2014 Jun;44(6):1823-34.

Barathi VA, Chaurasia SS, Poidinger M, Koh SK, Tian D, Ho C, Iuvone MP, Beuerman RW, Zhou L. Involvement of GABA transporters in Atropine-treated Myopic Retina as revealed by iTRAQ Quantitative Proteomics. *J Proteome Res*. 2014 Nov 7;13(11):4647-58.

Bard-Chapeau EA, Nguyen AT, Rust AG, Sayadi A, Lee P, Chua BQ, New LS, de Jong J, Ward JM, Chin CK, Chew V, Toh HC, Abastado JP, Benoukraf T, Soong R, Bard FA, Dupuy AJ, Johnson RL, Radda GK, Chan EC, Wessels LF, Adams DJ, Jenkins NA, Copeland NG. Transposon mutagenesis identifies genes driving hepatocellular carcinoma in a chronic hepatitis B mouse model. *Nat Genet*. 2014 Jan;46(1):24-32.

Becher B, Schlitzer A, Chen J, Mair F, Sumatoh HR, Teng KW, Low D, Ruedl C, Riccardi-Castagnoli P, Poidinger M, Greter M, Ginhoux F, Newell EW. High-dimensional analysis of the murine myeloid cell system. *Nat Immunol*. 2014 Dec;15(12):1181-9.

Bist P, Dikshit N, Koh TH, Mortellaro A, Tan TT, Sukumaran B. Nod1, Nod2 and Rip2 axis contributes to host immune defense against intracellular *Acinetobacter baumannii* infection. *Infect Immun*. 2014 Mar;82(3):1112-22.

Braniste V, Al-Asmakh M, Kowal C, Anuar F, Abbaspour A, Tóth M, Korecka A, Bakocevic N, Guan NL, Kundu P, Gulyás B, Halldin C, Hultenby K, Nilsson H, Hebert H, Volpe BT, Diamond B, Pettersson S. The gut microbiota influences blood-brain barrier permeability in mice. *Sci Transl Med*. 2014 Nov 19;6(263):263ra158.

Cavallari M, Stallforth P, Kalinichenko A, Rathwell DC, Gronewold TM, Adibekian A, Mori L, Landmann R, Seeberger PH, De Libero G. A semisynthetic carbohydrate-lipid vaccine that protects against *S. pneumoniae* in mice. *Nat Chem Biol*. 2014 Nov;10(11):950-6.

Celhar T, Fairhurst AM. Toll-like receptors in systemic lupus erythematosus: potential for personalized treatment. *Front Pharmacol*. 2014 Dec 8;5:265.

Cerny D, Haniffa M, Shin A, Bigliardi P, Tan BK, Lee B, Poidinger M, Tan EY, Ginhoux F, Fink K. Selective Susceptibility of Human Skin Antigen Presenting Cells to Productive Dengue Virus Infection. *PLoS Pathog.* 2014 Dec 4;10(12):e1004548.

Chan KR, Ong EZ, Tan HC, Zhang SL, Zhang Q, Tang KF, Kaliaperumal N, Lim AP, Hibberd ML, Chan SH, Connolly JE, Krishnan MN, Lok SM, Hanson BJ, Lin CN, Ooi EE. Leukocyte immunoglobulin-like receptor B1 is critical for antibody-dependent dengue. *Proc Natl Acad Sci U S A.* 2014 Feb 18;111(7):2722-7.

Chandramohanadas R, Basappa, Russell B, Liew K, Yau YH, Chong A, Min L, Gunalan K, Raman R, Renia L, Nosten F, Geifman Shochat S, Dao M, Sasisekharan R, Suresh S, Preiser P. Small Molecule Targeting Malaria Merozoite Surface Protein-1 (MSP-1) Prevent Host Invasion of Divergent Plasmodial Species. *J Infect Dis.* 2014 Nov 15;210(10):1616-26.

Chao Y, Kaliaperumal N, Chretien AS, Tang S, Lee B, Poidinger M, Fairhurst AM, Connolly JE. Human plasmacytoid dendritic cells regulate IFN- $\alpha$  production through activation-induced splicing of IL-18R $\alpha$ . *J Leukoc Biol.* 2014 Dec;96(6):1037-46.

Chao Y, Wong SC, Tan EK. Evidence of Inflammatory System Involvement in Parkinson's Disease. *Biomed Res Int.* 2014;2014:308654.

Chen YL, Ghafar N, Karuna R, Fu Y, Lim SP, Schul W, Gu F, Herve M, Yokohama F, Wang G, Cerny D, Fink K, Blasco F, Shi PY. Activation of PBMCs by dengue virus infection depotentiates Balapiravir. *J Virol.* 2014 Feb;88(3):1740-7.

Cheng K, Wong SC, Linn YC, Ho LP, Chng WJ, Schwarz H. CD137 ligand signalling induces differentiation of primary acute myeloid leukaemia cells. *Br J Haematol.* 2014 Apr;165(1):134-44.

Chia WK, Teo M, Wang WW, Lee B, Ang SF, Tai WM, Chee CL, Ng J, Kan R, Lim WT, Tan SH, Ong WS, Cheung YB, Tan EH, Connolly JE, Gottschalk S, Toh HC. Adoptive T-cell Transfer and Chemotherapy in the First-line Treatment of Metastatic and/or Locally Recurrent Nasopharyngeal Carcinoma. *Mol Ther.* 2014 Jan;22(1):132-9.

Ch'ng JH, Lee YQ, Gun SY, Chia WN, Chang ZW, Wong LK, Batty KT, Russell B, Nosten F, Renia L, Tan KS. Validation of a chloroquine-induced cell death mechanism for clinical use against malaria. *Cell Death Dis.* 2014 Jun 26;5:e1305.

Chong SZ, Tan KW, Wong FH, Chua YL, Tang Y, Ng LG, Angeli V, Kemeny DM. CD8 T-cells regulate allergic contact dermatitis by modulating CCR2-dependent TNF/iNOS-expressing Ly6C+CD11b+ monocytic cells. *J Invest Dermatol.* 2014 Mar;134(3):666-76.

Choo JA, Liu J, Toh X, Grotenbreg GM, Ren EC. The immunodominant Influenza A virus M158-66 CTL epitope exhibits degenerate class I MHC restriction in humans. *J Virol.* 2014 Sep 15;88(18):10613-23.

Chittezhath M, Dhillon MK, Lim JY, Laoui D, Shalova IN, Teo YL, Chen J, Kamaraj R, Raman L, Lum J, Thamboo TP, Chiong E, Zolezzi F, Yang H, Van Ginderachter JA, Poidinger M, Wong AS, Biswas SK. Molecular profiling reveals a tumor-promoting phenotype of monocytes and macrophages in human cancer progression. *Immunity.* 2014 Nov 20;41(5):815-29.

De Libero G, Mori L. Professional Differences in Antigen Presentation to iNKT Cells. *Immunity.* 2014 Jan 16;40(1):5-7.

De Libero G, Mori L. The T-cell response to lipid antigens of Mycobacterium tuberculosis. *Front Immunol*. 2014 May 22;5:219. eCollection 2014.

De Libero G, Singhal A, Lepore M, Mori L. Nonclassical T Cells and Their Antigens in Tuberculosis. *Cold Spring Harb Perspect Med*. 2014 Jul 24. [Epub ahead of print]

De Ravin SS, Su L, Theobald N, Choi U, Macpherson JL, Poidinger M, Symonds G, Pond SM, Ferris AL, Hughes SH, Malech HL, and Wu X. Enhancers Are Major Targets for MLV Vector Integration. *J Virol*. 2014 Apr;88(8):4504-13.

Elluru SR, Kaveri SV, Bayry J. Regulation of Human Dendritic Cell Functions by Natural Anti-CD40 Antibodies. *Methods Mol Biol*. 2014;1155:47-54.

Fergusson JR, Smith KE, Fleming VM, Rajoriya N, Newell EW, Simmons R, Marchi E, Björkander S, Kang YH, Swadling L, Kurioka A, Sahgal N, Lockstone H, Baban D, Freeman GJ, Sverremark-Ekström E, Davis MM, Davenport MP, Venturi V, Ussher JE, Willberg CB, Klenerman P. CD161 Defines a Transcriptional and Functional Phenotype across Distinct Human T Cell Lineages. *Cell Rep*. 2014 Nov 6;9(3):1075-88.

Finak G, Frelinger J, Jiang W, Newell EW, Ramey J, Davis MM, Kalams SA, De Rosa SC, Gottardo R. OpenCyto: An Open Source Infrastructure for Scalable, Robust, Reproducible, and Automated, End-to-End Flow Cytometry Data Analysis. *PLoS Comput Biol*. 2014 Aug 28;10(8):e1003806.

Fink K, Shi PY. Live attenuated vaccine: the first clinically approved dengue vaccine? *Expert Rev Vaccines*. 2014 Feb;13(2):185-8.

Fric J, Lim CX, Mertes A, Lee BT, Viganò E, Chen J, Zolezzi F, Poidinger M, Larbi A, Strobl H, Zelante T, Ricciardi-Castagnoli P. Calcium and Calcineurin-Nfat Signaling Regulate Granulocyte-Monocyte Progenitor Cell cycle Via Flt3-L. *Stem Cells*. 2014 Dec;32(12):3232-44.

Fric J, Zelante T, Ricciardi-Castagnoli P. Phagocytosis of Particulate Antigens - All Roads Lead to Calcineurin/NFAT Signaling Pathway. *Front Immunol*. 2014 Jan 9;4:513.

Fulop T, Le Page A, Fortin C, Witkowski JM, Dupuis G, Larbi A. Cellular signaling in the aging immune system. *Curr Opin Immunol*. 2014 Aug;29C:105-111.

Fulop T, Witkowski JM, Pawelec G, Alan C, Larbi A. On the immunological theory of aging. *Interdiscip Top Gerontol*. 2014;39:163-76.

Geng J, Goh CC, Tomczak N, Liu J, Liu R, Ma L, Ng LG, Gurzadyan GG, Liu B. Micelle/Silica Co-protected Conjugated Polymer Nanoparticles for Two-Photon Excited Brain Vascular Imaging. *Chem Mater*. 2014, 26 (5), pp 1874–1880

Ginhoux F. Fate PPAR-titoning: PPAR- $\gamma$  'instructs' alveolar macrophage development. *Nat Immunol*. 2014 Oct 20;15(11):1005-7.

Ginhoux F, Jung S. Monocytes and macrophages: developmental pathways and tissue homeostasis. *Nat Rev Immunol*. 2014 May 23;14(6):392-404.

Ginhoux F, Schlitzer A. CD11b(+) DCs rediscovered: implications for vaccination. *Expert Rev Vaccines*. 2014 Apr;13(4):445-7.

Goh AX, Bertin-Maghit S, Ping Yeo S, Ho A, Derks H, Mortellaro A, Wang CI. A novel human anti-interleukin-1 $\beta$  neutralizing monoclonal antibody showing in vivo efficacy. *MAbs*. 2014 May 1;6(3):764-72.

Guilliams M, Ginhoux F, Jakubzick C, Naik SH, Onai N, Schraml BU, Segura E, Tussiwand R, Yona S. Dendritic cells, monocytes and macrophages: a unified nomenclature based on ontogeny. *Nat Rev Immunol*. 2014 Aug;14(8):571-8.

Hallengård D, Lum FM, Kümmerer BM, Lulla A, Lulla V, García-Arriaza J, Fazakerley JK, Roques P, Le Grand R, Merits A, Ng LF, Esteban M, Liljeström P. Prime-Boost Immunization Strategies against Chikungunya Virus. *J Virol*. 2014 Nov 15;88(22):13333-43.

Haque A, Best SE, Montes de Oca M, James KR, Ammerdorffer A, Edwards CL, de Labastida Rivera F, Amante FH, Bunn PT, Sheel M, Sebina I, Koyama M, Varelias A, Hertzog PJ, Kalinke U, Gun SY, Rénia L, Ruedl C, Macdonald KP, Hill GR, Engwerda CR. Type I IFN signaling in CD8- DCs impairs Th1-dependent malaria immunity. *J Clin Invest*. 2014 Jun 2;124(6):2483-96.

Her Z, Teng TS, Tan JJ, Teo TH, Kam YW, Lum FM, Lee WW, Gabriel C, Melchiotti R, Andiappan AK, Lulla V, Lulla A, Win MK, Chow A, Biswas SK, Leo YS, Lecuit M, Merits A, Rénia L, Ng LF. Loss of TLR3 aggravates CHIKV replication and pathology due to an altered virus-specific neutralizing antibody response. *EMBO Mol Med*. 2014 Dec 1;7(1):24-41.

Hubert S, Abastado JP. [The early steps of the metastatic process].[Article in French]. *Med Sci (Paris)*. 2014 Apr;30(4):378-84.

Imwong M, Hanchana S, Malleret B, Rénia L, Day NP, Dondorp A, Nosten F, Snounou G, White NJ. High throughput ultra-sensitive molecular techniques to quantify low density malaria parasitaemias. *J Clin Microbiol*. 2014 Sep;52(9):3303-9.

Kared H, Camous X, Larbi A. T cells and their cytokines in persistent stimulation of the immune system. *Curr Opin Immunol*. 2014 Aug;29C:79-85.

Keeton R, Allie N, Dambuzza I, Abel B, Hsu NJ, Sebesho B, Randall P, Burger P, Fick E, Quesniaux VF, Ryffel B, Jacobs M. Soluble TNFRp75 regulates host protective immunity against Mycobacterium tuberculosis. *J Clin Invest*. 2014 Apr 1;124(4):1537-51.

Khameneh HJ, Mortellaro A. NLRC4 gets out of control. *Nat Genet*. 2014 Sep 26;46(10):1048-9.

Kuhen KL, Chatterjee AK, Rottmann M, Gagaring K, Borboa R, Buenviaje J, Chen Z, Francek C, Wu T, Nagle A, Barnes SW, Plouffe D, Lee MC, Fidock DA, Graumans W, Vd Vegte-Bolmer M, V Gemert GJ, Wirjanata G, Sebayang B, Marfurt J, Russell B, Suwanarusk R, Price RN, Nosten F, Tungtaeng A, Gettayacamin M, Sattabongkot J, Taylor J, Walker JR, Tully D, Patra KP, Flannery EL, Vinetz JM, Renia L, Sauerwein RW, Winzeler EA, Glynn RJ, Diagana TT. KAF156 is an antimalarial clinical candidate with potential for use in prophylaxis, treatment and prevention of disease transmission. *Antimicrob Agents Chemother*. 2014 Sep;58(9):5060-7

Le Page A, Fortin C, Garneau H, Allard N, Tsvetkova K, Ying CT, Larbi A, Dupuis G, Fülöp T. Downregulation of inhibitory SRC Homology 2 Domain-containing Phosphatase-1 (SHP-1) leads to recovery of T cell responses in elderly. *Cell Commun Signal*. 2014 Jan 9;12(1):2.

Lee WC, Malleret B, Lau YL, Mauduit M, Fong MY, Cho JS, Suwanarusk R, Zhang R, Albrecht L, Costa FT, Preiser P, McGready R, Renia L, Nosten F, Russell B. Glycophorin C (CD236R) mediates vivax malaria parasite rosetting to normocytes. *Blood*. 2014 May 1;123(18):e100-9.

Leong C, Lee SC, Ock J, Li X, See P, Park SJ, Ginhoux F, Yun SW, Chang YT. Microglia specific fluorescent probes for live cell imaging. *Chem Commun (Camb)*. 2014 Feb 4;50(9):1089-91.

Lepore M, de Lalla C, Gundimeda SR, Gsellinger H, Consonni M, Garavaglia C, Sansano S, Piccolo F, Scelfo A, Häussinger D, Montagna D, Locatelli F, Bonini C, Bondanza A, Forcina A, Li Z, Ni G, Ciceri F, Jenö P, Xia C, Mori L, Dellabona P, Casorati G, De Libero G. A novel self-lipid antigen targets human T cells against CD1c+ leukemias. *J Exp Med*. 2014 Jun 30;211(7):1363-77

Lepore M, De Lalla C, Mori L, Dellabona P, De Libero G, Casorati G. Targeting leukemia by CD1c-restricted T cells specific for a novel lipid antigen. *Onc Immunology*. 2014 Dec 3;4(3):e970463.

Lepore M, Kalinichenko A, Colone A, Paleja B, Singhal A, Tschumi A, Lee B, Poidinger M, Zolezzi F, Quagliata L, Sander P, Newell E, Bertoletti A, Terracciano L, De Libero G, Mori L. Parallel T-cell cloning and deep sequencing of human MAIT cells reveal stable oligoclonal TCR $\beta$  repertoire. *Nat Commun*. 2014 May 15;5:3866.

Li Y, Teo WL, Low MJ, Meijer L, Sanderson I, Pettersson S, Greicius G. Constitutive TLR4 signalling in intestinal epithelium reduces tumor load by increasing apoptosis in APC(Min/+) mice. *Oncogene*. 2014 Jan 16;33(3):369-77.

Lin W, Cerny D, Chua E, Duan K, Yi JT, Shadan NB, Lum J, Maho-Vaillant M, Zolezzi F, Wong SC, Larbi A, Fink K, Musette P, Poidinger M, Calbo S. Human Regulatory B Cells Combine Phenotypic and Genetic Hallmarks with a Distinct Differentiation Fate. *J Immunol*. 2014 Sep 1;193(5):2258-66.

Liu J, Xiao Z, Ko HL, Shen M, Ren EC. Activating killer cell immunoglobulin-like receptor 2DS2 binds to HLA-A\*11. *Proc Natl Acad Sci U S A*. 2014 Feb 18;111(7):2662-7.

Lopes SC, Albrecht L, Carvalho BO, Siqueira AM, Thomson-Luque R, Nogueira PA, Fernandez-Becerra C, Del Portillo HA, Russell BM, Rénia L, Lacerda MV, Costa FT. Paucity of Plasmodium vivax mature schizonts in peripheral blood is associated with their increased cytoadhesive potential. *J Infect Dis*. 2014 May 1;209(9):1403-7.

Low JG, Sung C, Wijaya L, Wei Y, Rathore AP, Watanabe S, Tan BH, Toh L, Chua LT, Hou Y, Chow A, Howe S, Chan WK, Tan KH, Chung JS, Cherng BP, Lye DC, Tambayah PA, Ng LC, Connolly J, Hibberd ML, Leo YS, Cheung YB, Ooi EE, Vasudevan SG. Efficacy and safety of celgosivir in patients with dengue fever (CELADEN): a phase 1b, randomised, double-blind, placebo-controlled, proof-of-concept trial. *Lancet Infect Dis*. 2014 Aug;14(8):706-15.

Mani V, Wang S, Inci F, De Libero G, Singhal A, Demirci U. Emerging Technologies for Monitoring Drug-Resistant Tuberculosis at the Point-of-Care. *Adv Drug Deliv Rev*. 2014 Nov 30;78C:105-117.

McGovern N, Schlitzer A, Gunawan M, Jardine L, Shin A, Poyner E, Green K, Dickinson R, Wang XN, Low D, Best K, Covins S, Milne P, Pagan S, Aljefri K, Windebank M, Saavedra DM, Larbi A, Wasan PS, Duan KB, Poidinger M, Bigley V, Ginhoux F, Collin M, Haniffa M. Human Dermal CD14+ Cells Are a Transient Population of Monocyte-Derived Macrophages. *Immunity*. 2014 Sep 18;41(3):465-77.

Mu J, Liu F, Rajab MS, Shi M, Li S, Goh C, Lu L, Xu QH, Liu B, Ng LG, Xing B. A Small-Molecule FRET Reporter for the Real-Time Visualization of Cell-Surface Proteolytic Enzyme Functions. *Angew Chem Int Ed Engl*. 2014 Dec 22;53(52):14357-62.

Murray PJ, Allen JE, Biswas SK, Fisher EA, Gilroy DW, Goerdt S, Gordon S, Hamilton JA, Ivashkiv LB, Lawrence T, Locati M, Mantovani A, Martinez FO, Mege JL, Mosser DM, Natoli G, Saeij JP, Schultze JL, Shirey KA, Sica A, Suttles J, Udalova I, van Ginderachter JA, Vogel SN, Wynn TA. Macrophage Activation and Polarization: Nomenclature and Experimental Guidelines. *Immunity*. 2014 Jul 17;41(1):14-20.

Natsuaki Y, Egawa G, Nakamizo S, Ono S, Hanakawa S, Okada T, Kusuba N, Otsuka A, Kitoh A, Honda T, Nakajima S, Tsuchiya S, Sugimoto Y, Ishii KJ, Tsutsui H, Yagita H, Iwakura Y, Kubo M, Ng LG, Hashimoto T, Fuentes J, Guttman-Yassky E, Miyachi Y, Kabashima K. Perivascular leukocyte clusters are essential for efficient activation of effector T cells in the skin. *Nat Immunol*. 2014 Nov;15(11):1064-9.

Newell EW, Davis MM. Beyond model antigens: high-dimensional methods for the analysis of antigen-specific T cells. *Nat Biotechnol*. 2014 Feb;32(2):149-57.

Newell EW, Lin W. High-dimensional analysis of human CD8(+) T cell phenotype, function, and antigen specificity. *Curr Top Microbiol Immunol*. 2014;377:61-84.

Newell EW, Yun LL. Mass cytometry analysis of human T cell phenotype and function. *Methods Mol Biol*. 2014;1193:55-68.

Ng K, Connolly JE. Development of a multiplex bead-based assay to monitor dengue virus seroconversion. *Methods Mol Biol*. 2014;1138:53-74.

Ng TP, Feng L, Nyunt MS, Larbi A, Yap KB. Frailty in Older Persons: Multisystem Risk Factors and the Frailty Risk Index (FRI). *J Am Med Dir Assoc*. 2014 Sep;15(9):635-42.

Poh CM, Howland SW, Grotenbreg GM, Rénia L. Damage to the blood-brain barrier during experimental cerebral malaria results from the synergistic effects of CD8+ T cells with different specificities. *Infect Immun*. 2014 Nov;82(11):4854-64.

Rénia L, Howland SW. Targeting the olfactory bulb during experimental cerebral malaria. *Trends Parasitol*. 2014 Aug;30(8):375-6.

Schlitzer A, Ginhoux F. Organization of the mouse and human DC network. *Curr Opin Immunol*. 2014 Feb;26C:90-99.

Siau A, Huang X, Yam XY, Bob NS, Sun H, Rajapakse JC, Renia L, Preiser PR. Identification of a new export signal in Plasmodium Yoelii: identification of a new exportome. *Cell Microbiol*. 2014 May;16(5):673-86.

Singhal A, Jie L, Kumar P, Hong GS, Leow MKS, Paleja B, Tsenova L, Kurepina N, Chen J, Zolezzi F, Kreiswirth B, Poidinger M, Chee C, Kaplan G, Wang YT, De Libero G. Metformin as adjunct anti-tuberculosis therapy. *Science Translational Medicine*. 2014. 19th Nov. Vol. 6, Issue 263, p. 263ra159.

Squarzone P, Oller G, Hoeffel G, Pont-Lezica L, Rostaing P, Low D, Bessis A, Ginhoux F, Garel S. Microglia Modulate Wiring of the Embryonic Forebrain. *Cell Rep*. 2014 Sep 11;8(5):1271-9.



Steinberg JD, Raju A, Chandrasekharan P, Yang CT, Khoo K, Abastado JP, Robins EG, Townsend DW. Negative contrast Cerenkov luminescence imaging of blood vessels in a tumor mouse model using [68Ga]gallium chloride. *EJNMMI Res*. 2014 Mar 8;4(1):15.

Su LF, Han A, McGuire HM, Furman D, Newell EW, Davis MM. The Promised Land of Human Immunology. *Cold Spring Harb Symp Quant Biol*. 2014 Mar 17. [Epub ahead of print]

Sun Y, Zuo X, Zheng X, Zhou F, Liang B, Liu H, Chang R, Gao J, Sheng Y, Cui H, Wang W, Andiappan AK, Rotzschke O, Yang S, Sun L, Zhang F, Zhang X, Ren Y, Liu J. A comprehensive association analysis confirms ZMIZ1 to be a susceptibility gene for vitiligo in Chinese population. *J Med Genet*. 2014 May;51(5):345-53.

Sunthamala N, Pang CL, Thierry F, Teissier S, Pientong C, Ekalaksananan T. Genome-wide analysis of high risk human papillomavirus E2 proteins in human primary keratinocytes. *Genom Data*. 2014 Jun 20;2:147-9.

Suwanarusk R, Russell B, Ong A, Sriprawat K, Chu SC, PyaePhyo A, Malleret B, Nosten F, Renia L. Methylene blue inhibits the asexual development of vivax malaria parasites from a region of increasing chloroquine resistance. *J Antimicrob Chemoth*. 2014 Aug 21. [Epub ahead of print]

Swadling L, Capone S, Antrobus RD, Brown A, Richardson R, Newell EW, Halliday J, Kelly C, Bowen D, Fergusson J, Kurioka A, Ammendola V, Del Sorbo M, Grazioli F, Esposito ML, Siani L, Traboni C, Hill A, Colloca S, Davis M, Nicosia A, Cortese R, Folgori A, Klenerman P, Barnes E. A human vaccine strategy based on chimpanzee adenoviral and MVA vectors that primes, boosts, and sustains functional HCV-specific T cell memory. *Sci Transl Med*. 2014 Nov 5;6(261):261ra153.

Tan JJ, Capozzoli M, Sato M, Watthanaworawit W, Ling CL, Mauduit M, Malleret B, Grüner AC, Tan R, Nosten FH, Snounou G, Rénia L, Ng LF. An integrated lab-on-chip for rapid identification and simultaneous differentiation of tropical pathogens. *PLoS Negl Trop Dis*. 2014 Jul 31;8(7):e3043.

Tan KK, Salgado G, Connolly JE, Chan JK, Lane EB. Characterization of fetal keratinocytes, showing enhanced stem cell-like properties: a potential source of cells for skin reconstruction. *Stem Cell Reports*. 2014 Aug 12;3(2):324-38.

Tetart F, Picard D, Janela B, Joly P, Musette P. Prolonged Evolution of Drug Reaction With Eosinophilia and Systemic Symptoms: Clinical, Virologic, and Biological Features. *JAMA Dermatol*. 2014 Feb 1;150(2):206-7.

Tham M, Tan KW, Keeble J, Wang X, Hubert S, Barron L, Tan NS, Kato M, Prevost-Blondel A, Angeli V, Abastado JP. Melanoma-initiating cells exploit M2 macrophage TGF $\beta$  and arginase pathway for survival and proliferation. *Oncotarget*. 2014 Dec 15;5(23):12027-42.

Toh DS, Tan LL, Aw DC, Pang SM, Lim SH, Thirumoorthy T, Lee HY, Tay YK, Tan SK, Vasudevan A, Lateef A, Chong YY, Chan YC, Loke C, Chan CL, Koay ES, Ren EC, Lee EJ, Sung C. Building pharmacogenetics into a pharmacovigilance program in Singapore: using serious skin rash as a pilot study. *Pharmacogenomics J*. 2014 Aug;14(4):316-21.

Toh YX, Gan V, Balakrishnan T, Zuest R, Poidinger M, Wilson S, Appanna R, Thein TL, Ong AK, Ng LC, Leo YS, Fink K. Dengue serotype cross-reactive, anti-e protein antibodies confound specific immune memory for 1 year after infection. *Front Immunol*. 2014 Aug 14;5:388.

Vasudev A, Tan Tze Ying C, Ayyadhury S, Joo Puan K, Kumar Andiappan A, Shwe Zin Nyunt M, Binte Shadan N, Mustafa S, Low I, Rotzschke O, Fulop T, Pin Ng T, Larbi A.  $\gamma/\delta$  T cell subsets in human aging using the classical  $\alpha/\beta$  T cell model. *J Leukoc Biol*. 2014 Oct;96(4):647-55.

Vicentin EC, Franoso KS, Rocha MV, Iourtov D, Dos Santos FL, Kubrusly FS, Sakauchi MA, Raw I, Nosten F, Renia L, Rodrigues MM, Russell B, Soares IS. Invasion-Inhibitory Antibodies Elicited by Immunization with Plasmodium vivax Apical Membrane Antigen-1 Expressed in Pichia pastoris Yeast. *Infect Immun*. 2014 Mar;82(3):1296-307.

Wang B, Niu D, Lam TH, Xiao Z, Ren EC. Mapping the p53 transcriptome universe using p53 natural polymorphs. *Cell Death Differ*. 2014 Apr;21(4):521-32.

Workalemahu G, Wang H, Puan KJ, Nada MH, Kuzuyama T, Jones BD, Jin C, Morita CT. Metabolic Engineering of Salmonella Vaccine Bacteria To Boost Human V $\gamma$ 2V $\delta$ 2 T Cell Immunity. *J Immunol*. 2014 Jun 18. [Epub ahead of print]

Wang XN, McGovern N, Gunawan M, Richardson C, Windebank M, Siah TW, Lim HY, Fink K, Li JL, Ng LG, Ginhoux F, Angeli V, Collin M, Haniffa M. A three-dimensional atlas of human dermal leukocytes, lymphatics, and blood vessels. *J Invest Dermatol*. 2014 Apr;134(4):965-74.

Wu X, Zhang W, Font-Burgada J, Palmer T, Hamil AS, Biswas SK, Poidinger M, Borchering N, Xie Q, Ellies LG, Lytle NK, Wu LW, Fox RG, Yang J, Dowdy SF, Reya T, Karin M. Ubiquitin-conjugating enzyme Ubc13 controls breast cancer metastasis through a TAK1-p38 MAP kinase cascade. *P Natl Acad Sci USA*. 2014 Sep 23;111(38):13870-5

Zambetti LP, Mortellaro A. NLRPs, microbiota and gut homeostasis: unraveling the connection. *J Pathol*. 2014 Aug;233(4):321-30.

Zhou Q, Ho AW, Schlitzer A, Tang Y, Wong KH, Wong FH, Chua YL, Angeli V, Mortellaro A, Ginhoux F, Kemeny DM. GM-CSF-Licensed CD11b<sup>+</sup> Lung Dendritic Cells Orchestrate Th2 Immunity to Blomia tropicalis. *J Immunol*. 2014 Jul 15;193(2):496-509

Züst R, Toh YX, Valdés I, Cerny D, Heinrich J, Hermida L, Marcos E, Guillén G, Kalinke U, Shi PY, Fink K. Type I IFN signals in macrophages and dendritic cells control dengue virus infection: implications for a new mouse model to test dengue vaccines. *J Virol*. 2014 Jul 1;88(13):7276-7285.