

2019 SigN Publications

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Adachi A, Komine M, Tsuda H, Nakajima S, Kabashima K, Ohtsuki M. Differential expression of alarmins: IL-33 as a candidate marker for early diagnosis of toxic epidermal necrolysis. *J Allergy Clin Immunol Pract*. 2019 Jan;7(1):325-327.

Adrover JM, Del Fresno C, Crainiciuc G, Cuartero MI, Casanova-Acebes M, Weiss LA, Huerga-Encabo H, Silvestre-Roig C, Rossaint J, Cossio I, Lechuga-Vieco AV, Garcia-Prieto J, Gomez-Parrizas M, Quintana JA, Ballesteros I, Martin-Salamanca S, Aroca-Crevillen A, Chong SZ, Evrard M, Balabanian K, Lopez J, Bidzhekov K, Bachelerie F, Abad-Santos F, Munoz-Calleja C, Zarbock A, Soehnlein O, Weber C, Ng LG, Lopez-Rodriguez C, Sancho D, Moro MA, Ibanez B, Hidalgo AA. A Neutrophil Timer Coordinates Immune Defense and Vascular Protection. *Immunity*. 2019 Feb 19;50(2):390-402.e10.

Ahn M, Anderson DE, Zhang Q, Tan CW, Lim BL, Luko K, Wen M, Chia WN, Mani S, Wang LC, Ng JHJ, Sobota RM, Dutertre CA, Ginhoux F, Shi ZL, Irving AT, Wang LF. Dampened NLRP3-mediated inflammation in bats and implications for a special viral reservoir host. *Nat Microbiol*. 2019 Feb 25. [Epub ahead of print]

Alam I, Gul R, Chong J, Tan CTY, Chin HX, Wong G, Doggui R, Larbi A. Recurrent circadian fasting (RCF) improves blood pressure, biomarkers of cardiometabolic risk and regulates inflammation in men. *J Transl Med*. 2019 Aug 19;17(1):272.

Allen CE, Beverley PCL, Collin M, Diamond EL, Egeler RM, Ginhoux F, Glass C, Minkov M, Rollins BJ, van Halteren A. The coming of age of Langerhans cell histiocytosis. *Nat Immunol*. 2019 Dec 12. [Epub ahead of print]

Amrun SN, Yee WX, Abu Bakar F, Lee B, Kam YW, Lum FM, Tan JJ, Lim VW, Watthanaworawit W, Ling C, Nosten F, Renia L, Leo YS, Ng LF. Novel differential linear B-cell epitopes to identify Zika and dengue virus infections in patients. *Clin Transl Immunology*. 2019 Jul 26;8(7):e1066.

Becht E, Simoni Y, Coustan-Smith E, Maximilien E, Cheng Y, Ng LG, Campana D, Newell E. Reverse-engineering flow-cytometry gating strategies for phenotypic labelling and high-performance cell sorting. *Bioinformatics*. 2019 Jan 15;35(2):301-308.

Bénéchet AP, De Simone G, Di Lucia P, Cilenti F, Barbiera G, Le Bert N, Fumagalli V, Lusito E, Moalli F, Bianchessi V, Andreatta F, Zordan P, Bono E, Giustini L, Bonilla WV, Bleriot C, Kunasegaran K, Gonzalez-Aseguinolaza G, Pinschewer DD, Kennedy PTF, Naldini L, Kuka M, Ginhoux F, Cantore A, Bertoletti A, Ostuni R, Guidotti LG, Iannacone M. Dynamics and genomic landscape of CD8+ T cells undergoing hepatic priming. *Nature*. 2019 Oct 2. [Epub ahead of print]

Bensussan A, Janela B, Thonnart N, Bagot M, Musette P, Ginhoux F, Marie-Cardine A. Identification of CD39 as a Marker for the Circulating Malignant T-Cell Clone of Sézary Syndrome Patients. *J Invest Dermatol*. 2019 Mar;139(3):725-728.

Berkani N, Joly P, Golinski ML, Colliou N, Lim A, Larbi A, Riou G, Caillot F, Bernard P, Bedane C, Delaporte E, Chaby G, Dompmartin A, Hertl M, Calbo S, Musette P. B-cell depletion induces a shift in self antigen specific B-cell repertoire and cytokine pattern in patients with bullous pemphigoid. *Sci Rep*. 2019 Dec 9;9(1):18991.

Bertoletti A, Kennedy PTF. HBV antiviral immunity: not all CD8 T cells are born equal. *Gut*. 2019 Jan 30. [Epub ahead of print]

Bertoletti A, Le Bert N. Fine-Tuning TLR-7-Based Therapy for Functional HBV Cure. *Hepatol Commun*. 2019 Oct 1;3(10):1289-1292.

Bianchini M, Duchêne J, Santovito D, Schloss MJ, Evrard M, Winkels H, Aslani M, Mohanta SK, Horckmans M, Blanchet X, Lacy M, von Hundelshausen P, Atzler D, Habenicht A, Gerdes N, Pelisek J, Ng LG, Steffens S, Weber C, Megens RTA. PD-L1 expression on nonclassical monocytes reveals their origin and immunoregulatory function. *Sci Immunol*. 2019 Jun 21;4(36).

Bidet K, Ho V, Chu CW, Naim ANM, Thazin K, Chan KR, Low JGH, Choy MM, Wong LH, Florez de Sessions P, Lee YH, Hibberd ML, Ooi EE, Fink K, Chen J. Mimicking immune signatures of flavivirus infection with targeted adjuvants improves dengue subunit vaccine immunogenicity. *NPJ Vaccines*. 2019 Jun 25;4:27.

Blériot C, Ginhoux F. Understanding the Heterogeneity of Resident Liver Macrophages. *Front Immunol*. 2019 Nov 19;10:2694.

Blériot C, Ng LG, Ginhoux F. "Cloaking" on Time: A Cover-Up Act by Resident Tissue Macrophages. *Cell*. 2019 Apr 18;177(3):514-516.

Carissimo G, Chan YH, Utt A, Chua TK, Bakar FA, Merits A, Ng LFP. VCP/p97 Is a Proviral Host Factor for Replication of Chikungunya Virus and Other Alphaviruses. *Front Microbiol*. 2019 Sep 24;10:2236.

Carissimo G, Ng LFP. Understanding Molecular Pathogenesis with Chikungunya Virus Research Tools. *Curr Top Microbiol Immunol*. 2019 Mar 20. [Epub ahead of print]

Carissimo G, Teo TH, Chan YH, Lee CY, Lee B, Torres-Ruesta A, Tan JJ, Chua TK, Fong SW, Lum FM, Ng LF. Viperin controls chikungunya virus-specific pathogenic T cell IFN γ Th1 stimulation in mice. *Life Sci Alliance*. 2019 Jan 21;2(1).

Celhar T, Lu HK, Benso L, Rakhilina L, Lee HY, Tripathi S, Zharkova O, Ong WY, Yasuga H, Au B, Marlier D, Lim LHK, Thamboo TP, Mudgett JS, Mackey MF, Zaller DM, Connolly JE, Fairhurst AM. TLR7 Protein Expression in Mild and Severe Lupus-Prone Models Is Regulated in a Leukocyte, Genetic, and IRAK4 Dependent Manner. *Front Immunol*. 2019 Jul 10;10:1546.

Chakarov S, Lim HY, Tan L, Lim SY, See P, Lum J, Zhang XM, Foo S, Nakamizo S, Duan K, Kong WT, Gentek R, Balachander A, Carbajo D, Bleriot C, Malleret B, Tam JKC, Baig S, Shabeer M, Toh SES, Schlitzer A, Larbi A, Marichal T, Malissen B, Chen J, Poidinger M, Kabashima K, Bajenoff M, Ng LG, Angeli V, Ginhoux F. Two distinct interstitial macrophage populations coexist across tissues in specific subtissular niches. *Science*. 2019 Mar 15;363(6432).

Chan YH, Teo TH, Utt A, Tan JJ, Amrun SN, Abu Bakar F, Yee WX, Becht E, Lee CY, Lee B, Rajarethinam R, Newell E, Merits A, Carissimo G, Lum FM, Ng LF. Mutating chikungunya virus non-structural protein produces potent live-attenuated vaccine candidate. *EMBO Mol Med*. 2019 Apr 23. [Epub ahead of print]

Chen KG, Zhong P, Zheng W, Beekman JM. Pharmacological analysis of CFTR variants of cystic fibrosis using stem cell-derived organoids. *Drug Discov Today*. 2019 Jun 4. [Epub ahead of print]

Cheng Y, Zhu YO, Becht E, Aw P, Chen J, Poidinger M, de Sessions PF, Hibberd ML, Bertoletti A, Lim SG, Newell EW. Multifactorial heterogeneity of virus-specific T cells and association with the progression of human chronic hepatitis B infection. *Sci Immunol*. 2019 Feb 8;4(32).

Chng MHY, Lim MQ, Rouers A, Becht E, Lee B, MacAry PA, Lye DC, Leo YS, Chen J, Fink K, Rivino L, Newell EW. Large-Scale HLA Tetramer Tracking of T Cells during Dengue Infection Reveals Broad Acute Activation and Differentiation into Two Memory Cell Fates. *Immunity*. 2019 Nov 13. [Epub ahead of print]

Chong SZ, Angeli V. Cavity Macrophages Get to the Heart of the Issue. *Immunity*. 2019 Jul 16;51(1):7-9.

Chua ACY, Ananthanarayanan A, Ong JJY, Wong JY, Yip A, Singh NH, Qu Y, Dembele L, McMillian M, Ubalee R, Davidson S, Tungtaeng A, Imerbsin R, Gupta K, Andolina C, Lee F, S-W Tan K, Nosten F, Russell B, Lange A, Diagana TT, Rénia L, Yeung BKS, Yu H, Bifani P. Hepatic spheroids used as an in vitro model to study malaria relapse. *Biomaterials*. 2019 May 22;216:119221. [Epub ahead of print]

Chua ACY, Ong JJY, Malleret B, Suwanarusk R, Kosaisavee V, Zeeman AM, Cooper CA, Tan KSW, Zhang R, Tan BH, Abas SN, Yip A, Elliot A, Joyner CJ, Cho JS, Breyer K, Baran S, Lange A, Maher SP, Nosten F, Bodenreider C, Yeung BKS, Mazier D, Galinski MR, Dereuddre-Bosquet N, Le Grand R, Kocken CHM, Rénia L, Kyle DE, Diagana TT, Snounou G, Russell B, Bifani P. Robust continuous in vitro culture of the Plasmodium cynomolgi erythrocytic stages. *Nat Commun*. 2019 Aug 12;10(1):3635.

Claser C, Nguee SYT, Balachander A, Wu Howland S, Becht E, Gunasegaran B, Hartimath SV, Lee AWQ, Theng Theng Ho J, Bing Ong C, Newell EW, Goggi J, Ng LG, Renia L. Lung endothelial cell antigen cross-presentation to CD8+T cells drives malaria-associated lung injury. *Nat Commun*. 2019 Sep 18;10(1):4241.

Collin M, Ginhoux F. Human dendritic cells. *Semin Cell Dev Biol*. 2019 Feb;86:1-2.

Cossarizza A, Chang HD, Radbruch A, Acs A, Adam D, Adam-Klages S, Agace WW, Aghaeepour N, Akdis M, Allez M, Almeida LN, Alvisi G, Anderson G, Andrä I, Annunziato F, Anselmo A, Bacher P, Baldari CT, Bari S, Barnaba V, Barros-Martins J, Battistini L, Bauer W, Baumgart S, Baumgarth N, Baumjohann D, Baying B, Bebawy M, Becher B, Beisker W, Benes V, Beyaert R, Blanco A, Boardman DA, Bogdan C, Borger JG, Borsellino G, Boulais PE, Bradford JA, Brenner D, Brinkman RR, Brooks AES, Busch DH, Büscher M, Bushnell TP, Calzetti F, Cameron G, Cammarata I, Cao X, Cardell SL, Casola S, Cassatella MA, Cavani A, Celada A, Chatenoud L, Chattopadhyay PK, Chow S, Christakou E, Čičin-Šain L, Clerici M, Colombo FS, Cook L, Cooke A, Cooper AM, Corbett AJ, Cosma A, Cosmi L, Coulie PG, Cumano A, Cvetkovic L, Dang VD, Dang-Heine C, Davey MS, Davies D, De Biasi S, Del Zotto G, Dela Cruz GV, Delacher M, Della Bella S, Dellabona P, Deniz G, Dessing M, Di Santo JP, Diefenbach A, Dieli F, Dolf A, Dörner T, Dress RJ, Dudziak D, Dustin M, Dutertre CA, Ebner F, Eckle SBG, Edinger M, Eede P, Ehrhardt GRA, Eich M, Engel P, Engelhardt B, Erdei A, Esser C, Everts B, Evrard M, Falk CS, Fehniger TA, Felipo-Benavent M, Ferry H, Feuerer M, Filby A, Filkor K, Fillatreau S, Follo M, Förster I, Foster J, Foulds GA, Frehse B, Frenette PS, Frischbutter S, Fritzsche W, Galbraith DW, Gangaev A, Garbi N, Gaudilliere B, Gazzinelli RT, Geginat J, Gerner W, Gherardin NA, Ghoreschi K, Gibellini L, Ginhoux F, Goda K, Godfrey DI, Goettlinger C, González-Navajas JM, Goodyear CS, Gori A, Grogan JL, Grummitt D, Grützkau A, Haftmann C, Hahn J, Hammad H, Hämmerling G, Hansmann L, Hansson G, Harpur CM, Hartmann S, Hauser A, Hauser AE, Haviland DL, Hedley D, Hernández DC, Herrera G, Herrmann M, Hess C, Höfer T, Hoffmann P, Hogquist K, Holland T, Höllt T, Holmdahl R, Hombrink P, Houston JP, Hoyer BF, Huang B, Huang FP, Huber JE, Huehn J, Hundemer M, Hunter CA, Hwang WYK, Iannone A, Ingelfinger F, Ivison SM, Jäck HM, Jani PK, Jávega B, Jonjic S, Kaiser T, Kalina T, Kamradt T, Kaufmann

SHE, Keller B, Ketelaars SLC, Khalilnezhad A, Khan S, Kisielow J, Klenerman P, Knopf J, Koay HF, Kobow K, Kolls JK, Kong WT, Kopf M, Korn T, Kriegsmann K, Kristyanto H, Kroneis T, Krueger A, Kühne J, Kukat C, Kunkel D, Kunze-Schumacher H, Kurosaki T, Kurts C, Kvistborg P, Kwok I, Landry J, Lantz O, Lanuti P, LaRosa F, Lehuen A, LeibundGut-Landmann S, Leipold MD, Leung LYT, Levings MK, Lino AC, Liotta F, Litwin V, Liu Y, Ljunggren HG, Lohoff M, Lombardi G, Lopez L, López-Botet M, Lovett-Racke AE, Lubberts E, Luche H, Ludewig B, Lugli E, Lunemann S, Maecker HT, Maggi L, Maguire O, Mair F, Mair KH, Mantovani A, Manz RA, Marshall AJ, Martínez-Romero A, Martrus G, Marventano I, Maslinski W, Matarese G, Mattioli AV, Maueröder C, Mazzoni A, McCluskey J, McGrath M, McGuire HM, McInnes IB, Mei HE, Melchers F, Melzer S, Mielenz D, Miller SD, Mills KHG, Minderman H, Mjösberg J, Moore J, Moran B, Moretta L, Mosmann TR, Müller S, Multhoff G, Muñoz LE, Münz C, Nakayama T, Nasi M, Neumann K, Ng LG, Niedobitek A, Nourshargh S, Núñez G, O'Connor JE, Ochel A, Oja A, Ordonez D, Orfao A, Orłowski-Oliver E, Ouyang W, Oxenius A, Palankar R, Panse I, Pattanapanyasat K, Paulsen M, Pavlinic D, Penter L, Peterson P, Peth C, Petriz J, Piancone F, Pickl WF, Piconese S, Pinti M, Pockley AG, Podolska MJ, Poon Z, Pracht K, Prinz I, Pucillo CEM, Quataert SA, Quatrini L, Quinn KM, Radbruch H, Radstake TRDJ, Rahmig S, Rahn HP, Rajwa B, Ravichandran G, Raz Y, Rebhahn JA, Recktenwald D, Reimer D, Reis E Sousa C, Remmerswaal EBM, Richter L, Rico LG, Riddell A, Rieger AM, Robinson JP, Romagnani C, Rubartelli A, Ruland J, Saalmüller A, Saeys Y, Saito T, Sakaguchi S, Sala-de-Oyanguren F, Samstag Y, Sanderson S, Sandroch I, Santoni A, Sanz RB, Saresella M, Sautes-Fridman C, Sawitzki B, Schadt L, Scheffold A, Scherer HU, Schiemann M, Schildberg FA, Schimisky E, Schlitzer A, Schlosser J, Schmid S, Schmitt S, Schober K, Schraivogel D, Schuh W, Schüler T, Schulte R, Schulz AR, Schulz SR, Scottá C, Scott-Algara D, Sester DP, Shankey TV, Silva-Santos B, Simon AK, Sitnik KM, Sozzani S, Speiser DE, Spidlen J, Stahlberg A, Stall AM, Stanley N, Stark R, Stehle C, Steinmetz T, Stockinger H, Takahama Y, Takeda K, Tan L, Tárnok A, Tiegs G, Toldi G, Tornack J, Traggiai E, Trebak M, Tree TIM, Trotter J, Trowsdale J, Tsoumakidou M, Ulrich H, Urbanczyk S, van de Veen W, van den Broek M, van der Pol E, Van Gassen S, Van Isterdael G, van Lier RAW, Veldhoen M, Vento-Asturias S, Vieira P, Voehringer D, Volk HD, von Borstel A, von Volkman K, Waisman A, Walker RV, Wallace PK, Wang SA, Wang XM, Ward MD, Ward-Hartstonge KA, Warnatz K, Warnes G, Warth S, Waskow C, Watson JV, Watzl C, Wegener L, Weisenburger T, Wiedemann A, Wienands J, Wilharm A, Wilkinson RJ, Willimsky G, Wing JB, Winkelmann R, Winkler TH, Wirz OF, Wong A, Wurst P, Yang JHM, Yang J, Yazdanbakhsh M, Yu L, Yue A, Zhang H, Zhao Y, Ziegler SM, Zielinski C, Zimmermann J, Zychlinsky A. Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). *Eur J Immunol*. 2019 Oct;49(10):1457-1973.

Dainichi T, Matsumoto R, Mostafa A, Kabashima K. Immune Control by TRAF6-Mediated Pathways of Epithelial Cells in the EIME (Epithelial Immune Microenvironment). *Front Immunol*. 2019 May 16;10:1107.

de Kleijn DPV, Chong SY, Wang X, Yatim SMJM, Fairhurst AM, Vernooij F, Zharkova O, Chan M, Foo RSY, Timmers L, Lam CSP, Wang JW. Toll-like Receptor 7 Deficiency Promotes Survival and Reduces Adverse Left Ventricular Remodeling After Myocardial Infarction. *Cardiovasc Res*. 2019 Mar 4. [Epub ahead of print]

Dick SA, Macklin JA, Nejat S, Momen A, Clemente-Casares X, Althagafi MG, Chen J, Kantores C, Hosseinzadeh S, Aronoff L, Wong A, Zaman R, Barbu I, Besla R, Lavine KJ, Razani B, Ginhoux F, Husain M, Cybulsky MI, Robbins CS, Epelman S. Self-renewing resident cardiac macrophages limit adverse remodeling following myocardial infarction. *Nat Immunol*. 2019 Jan;20(1):29-39.

Dress RJ, Dutertre CA, Giladi A, Schlitzer A, Low I, Shadan NB, Tay A, Lum J, Kairi MFBM, Hwang YY, Becht E, Cheng Y, Chevrier M, Larbi A, Newell EW, Amit I, Chen J, Ginhoux F. Plasmacytoid dendritic cells develop from Ly6D+ lymphoid progenitors distinct from the myeloid lineage. *Nat Immunol*. 2019 Jul;20(7):852-864.

Dutertre CA, Becht E, Irac SE, Khalilnezhad A, Narang V, Khalilnezhad S, Ng PY, van den Hoogen LL, Leong JY, Lee B, Chevrier M, Zhang XM, Yong PJA, Koh G, Lum J, Howland SW, Mok E, Chen J, Larbi A, Tan HKK, Lim TKH, Karagianni P, Tzioufas AG, Malleret B, Brody J, Albani S, van Roon J, Radstake T, Newell EW, Ginhoux F. Single-Cell Analysis of Human Mononuclear Phagocytes Reveals Subset-Defining Markers and Identifies Circulating Inflammatory Dendritic Cells. *Immunity*. 2019 Aug 27. [Epub ahead of print]

Fanning GC, Zoulim F, Hou J, Bertoletti A. Therapeutic strategies for hepatitis B virus infection: towards a cure. *Nat Rev Drug Discov*. 2019 Aug 27. [Epub ahead of print]

Farrera C, Melchiotti R, Petrov N, Weng Teng KW, Wong MT, Loh CY, Villanova F, Tosi I, Chen J, Grys K, Sreeneebus H, Chapman A, Perera GK, Heck S, Gracio F, de Rinaldis E, Barker JN, Smith CH, Nestle FO, Newell EW, Di Meglio P. T-cell phenotyping uncovers systemic features of atopic dermatitis and psoriasis. *J Allergy Clin Immunol*. 2019 Dec 5. [Epub ahead of print]

Fehlings M, Jhunjhunwala S, Kowanzetz M, O'Gorman WE, Hegde PS, Sumatoh H, Lee BH, Nardin A, Becht E, Flynn S, Ballinger M, Newell EW, Yadav M. Late-differentiated effector neoantigen-specific CD8+ T cells are enriched in peripheral blood of non-small cell lung carcinoma patients responding to atezolizumab treatment. *J Immunother Cancer*. 2019 Sep 12;7(1):249.

Ferreira MAR, Mathur R, Vonk JM, Szwejda A, Brumpton B, Granell R, Brew BK, Ulleamar V, Lu Y, Jiang Y; 23andMe Research Team; eQTLGen Consortium; BIOS Consortium, Magnusson PKE, Karlsson R, Hinds DA, Paternoster L, Koppelman GH, Almqvist C. Genetic Architectures of Childhood- and Adult-Onset Asthma Are Partly Distinct. *Am J Hum Genet*. 2019 Apr 4;104(4):665-684.

Fink K. Can We Improve Vaccine Efficacy by Targeting T and B Cell Repertoire Convergence? *Front Immunol*. 2019 Feb 13;10:110.

Forche A, Solis NV, Swidergall M, Thomas R, Guyer A, Beach A, Cromie GA, Le GT, Lowell E, Pavelka N, Berman J, Dudley AM, Selmecki A, Filler SG. Selection of *Candida albicans* trisomy during oropharyngeal infection results in a commensal-like phenotype. *PLoS Genet*. 2019 May 15;15(5):e1008137.

Fujita K, Chakarov S, Kobayashi T, Sakamoto K, Voisin B, Duan K, Nakagawa T, Horiuchi K, Amagai M, Ginhoux F, Nagao K. Cell-autonomous FLT3L shedding via ADAM10 mediates conventional dendritic cell development in mouse spleen. *Proc Natl Acad Sci U S A*. 2019 Jul 1. [Epub ahead of print]

Geirsdottir L, David E, Keren-Shaul H, Weiner A, Bohlen SC, Neuber J, Balic A, Giladi A, Sheban F, Dutertre CA, Pfeifle C, Peri F, Raffo-Romero A, Vizioli J, Matiasek K, Scheiwe C, Meckel S, Mätz-Rensing K, van der Meer F, Thormodsson FR, Stadelmann C, Zilkha N, Kimchi T, Ginhoux F, Ulitsky I, Erny D, Amit I, Prinz M. Cross-Species Single-Cell Analysis Reveals Divergence of the Primate Microglia Program. *Cell*. 2019 Dec 12;179(7):1609-1622.e16.

Goh YS, McGuire D, Rénia L. Vaccination With Sporozoites: Models and Correlates of Protection. *Front Immunol*. 2019 Jun 5;10:1227.

Gun SY, Lee SWL, Sieow JL, Wong SC. Targeting immune cells for cancer therapy. *Redox Biol*. 2019 Mar 20. [Epub ahead of print]

Gupta DK, Dembele L, Voorberg-van der Wel A, Roma G, Yip A, Chuenchob V, Kangwanrangsan N, Ishino T, Vaughan AM, Kappe SH, Flannery EL, Sattabongkot J, Mikolajczak S, Bifani P, Kocken CH,

Diagana TT. The Plasmodium liver-specific protein 2 (LISP2) is an early marker of liver stage development. *Elife*. 2019 May 16;8.

Ha D, Tanaka A, Kibayashi T, Tanemura A, Sugiyama D, Wing JB, Lim EL, Teng KWW, Adeegbe D, Newell EW, Katayama I, Nishikawa H, Sakaguchi S. Differential control of human Treg and effector T cells in tumor immunity by Fc-engineered anti-CTLA-4 antibody. *Proc Natl Acad Sci U S A*. 2019 Jan 8;116(2):609-618.

Haiyambo DH, Uusiku P, Mumbengegwi D, Pernica JM, Bock R, Malleret B, Rénia L, Greco B, Quaye IK. Molecular detection of *P. vivax* and *P. ovale* foci of infection in asymptomatic and symptomatic children in Northern Namibia. *PLoS Negl Trop Dis*. 2019 May 1;13(5):e0007290. [Epub ahead of print]

Han JH, Cheng Y, Muh F, Ahmed MA, Cho JS, Nyunt MH, Jeon HY, Ha KS, Na S, Park WS, Hong SH, Shin HJ, Russell B, Han ET. Inhibition of parasite invasion by monoclonal antibody against epidermal growth factor-like domain of Plasmodium vivax merozoite surface protein 1 paralog. *Sci Rep*. 2019 Mar 7;9(1):3906.

Hanakawa S, Kitoh A, Shibuya R, Dainichi T, Nomura T, Honda T, Egawa G, Otsuka A, Nakajima S, Fujita M, Kabashima K. Percutaneous sensitization is limited by in situ inhibition of cutaneous dendritic cell migration via skin-resident regulatory T cells. *J Allergy Clin Immunol*. 2019 Jun 10. [Epub ahead of print]

Ho V, Yong HY, Chevrier M, Narang V, Lum J, Toh YX, Lee B, Chen J, Tan EY, Luo D, Fink K. RIG-I activation by a designer short RNA ligand protects human immune cells against dengue virus infection without causing cytotoxicity. *J Virol*. 2019 May 1. [Epub ahead of print]

Honda T, Egawa G, Kabashima K. Antigen presentation and adaptive immune responses in skin. *Int Immunol*. 2019 Jan 22. [Epub ahead of print]

Honda T, Kabashima K. Prostanoids and leukotrienes in the pathophysiology of atopic dermatitis and psoriasis. *Int Immunol*. 2019 Feb 3. [Epub ahead of print]

Honda Y, Ono S, Honda T, Kataoka TR, Egawa G, Kitoh A, Otsuka A, Nakajima S, Nomura T, Dainichi T, Kabashima K. Murine neonatal skin mast cells are phenotypically immature and minimally sensitized with transplacentally transferred IgE. *J Allergy Clin Immunol*. 2019 May 21. [Epub ahead of print]

Hou J, Shrivastava S, Fraser CC, Loo HL, Wong LH, Ho V, Fink K, Ooi EE, Chen J. Dengue Mosaic Vaccines Enhance Cellular Immunity and Expand the Breadth of Neutralizing Antibody Against All Four Serotypes of Dengue Viruses in Mice. *Front Immunol*. 2019 Jun 20;10:1429.

Huan X, Zhuo Z, Xiao Z, Ren EC. Crystal structure of suboptimal viral fragments of Epstein Barr Virus Rta peptide-HLA complex that stimulate CD8 T cell response. *Sci Rep*. 2019 Nov 13;9(1):16660.

Huang Z, Wang J, Xu X, Wang H, Qiao Y, Chu WC, Xu S, Chai L, Cottier F, Pavelka N, Oosting M, Joosten LAB, Netea M, Ng CYL, Leong KP, Kundu P, Lam KP, Pettersson S, Wang Y. Antibody neutralization of microbiota-derived circulating peptidoglycan dampens inflammation and ameliorates autoimmunity. *Nat Microbiol*. 2019 Mar 4. [Epub ahead of print]

Iga N, Otsuka A, Hirata M, Kataoka TR, Irie H, Nakashima C, Matsushita S, Uchi H, Yamamoto Y, Funakoshi T, Fujisawa Y, Yoshino K, Fujimura T, Hata H, Ishida Y, Kabashima K. Variable indoleamine

2,3-dioxygenase expression in acral / mucosal melanoma and its possible link to immunotherapy. *Cancer Sci*. 2019 Sep 11. [Epub ahead of print]

Ishihara K, Shimizu R, Takata K, Kawashita E, Amano K, Shimohata A, Low D, Nabe T, Sago H, Alexander WS, Ginhoux F, Yamakawa K, Akiba S. Perturbation of the immune cells and prenatal neurogenesis by the triplication of the Erg gene in mouse models of Down syndrome. *Brain Pathol*. 2019 Jun 17. [Epub ahead of print]

Janela B, Patel AA, Lau MC, Goh CC, Msallam R, Kong WT, Fehlings M, Hubert S, Lum J, Simoni Y, Malleret B, Zolezzi F, Chen J, Poidinger M, Satpathy AT, Briseno C, Wohn C, Malissen B, Murphy KM, Maini AA, Vanhoutte L, Guilliams M, Vial E, Hennequin L, Newell E, Ng LG, Musette P, Yona S, Hacini-Rachinel F, Ginhoux F. A Subset of Type I Conventional Dendritic Cells Controls Cutaneous Bacterial Infections through VEGF α -Mediated Recruitment of Neutrophils. *Immunity*. 2019 Mar 26. [Epub ahead of print]

Jaitin DA, Adlung L, Thaiss CA, Weiner A, Li B, Descamps H, Lundgren P, Bleriot C, Liu Z, Deczkowska A, Keren-Shaul H, David E, Zmora N, Eldar SM, Lubezky N, Shibolet O, Hill DA, Lazar MA, Colonna M, Ginhoux F, Shapiro H, Elinav E, Amit I. Lipid-Associated Macrophages Control Metabolic Homeostasis in a Trem2-Dependent Manner. *Cell*. 2019 Jun 26. [Epub ahead of print]

Javanmard Khameneh H, Leong KWK, Mencarelli A, Vacca M, Mambwe B, Neo K, Tay A, Zolezzi F, Lee B, Mortellaro A. The Inflammasome Adaptor ASC Intrinsically Limits CD4⁺ T-Cell Proliferation to Help Maintain Intestinal Homeostasis. *Front Immunol*. 2019 Jul 15;10:1566.

Kafetzopoulou LE, Pullan ST, Lemey P, Suchard MA, Ehichioya DU, Pahlmann M, Thielebein A, Hinzmann J, Oestereich L, Wozniak DM, Efthymiadis K, Schachten D, Koenig F, Matjeschk J, Lorenzen S, Lumley S, Ighodalo Y, Adomeh DI, Olorok T, Omomoh E, Omiunu R, Agbukor J, Ebo B, Aiyepada J, Ebhodaghe P, Osiemi B, Ehikhametalor S, Akhilomen P, Airende M, Esumeh R, Muoebonam E, Giwa R, Ekanem A, Igenegbale G, Odigie G, Okonofua G, Enigbe R, Oyakhilome J, Yerumoh EO, Odia I, Aire C, Okonofua M, Atafo R, Tobin E, Asogun D, Akpede N, Okokhere PO, Rafiu MO, Iraoyah KO, Iruolagbe CO, Akhideno P, Erameh C, Akpede G, Isibor E, Naidoo D, Hewson R, Hiscox JA, Vipond R, Carroll MW, Ihekweazu C, Formenty P, Okogbenin S, Ogbaini-Emovon E, Gunther S, Duraffour S. Metagenomic sequencing at the epicenter of the Nigeria 2018 Lassa fever outbreak. *Science*. 2019 Jan 4;363(6422):74-77.

Kam YW, Leite JA, Amrun SN, Lum FM, Yee WX, Bakar FA, Eng KE, Lye DC, Leo YS, Chong CY, Freitas ARR, Milanez GP, Proença-Modena JL, Rénia L, Costa FTM, Ng LFP, Zika-Unicamp Network. ZIKV-specific NS1 epitopes as serological markers of acute Zika virus infection. *J Infect Dis*. 2019 Mar 7. [Epub ahead of print]

Kamaladasa A, Gomes L, Wijesinghe A, Jeewandara C, Toh YX, Jayathilaka D, Ogg GS, Fink K, Malavige GN. Altered monocyte response to the dengue virus in those with varying severity of past dengue infection. *Antiviral Res*. 2019 Jul 6;169:104554.

Kana V, Desland FA, Casanova-Acebes M, Ayata P, Badimon A, Nabel E, Yamamuro K, Sneeboer M, Tan IL, Flanigan ME, Rose SA, Chang C, Leader A, Le Bourhis H, Sweet ES, Tung N, Wroblewska A, Lavin Y, See P, Baccharini A, Ginhoux F, Chitu V, Stanley ER, Russo SJ, Yue Z, Brown BD, Joyner AL, De Witte LD, Morishita H, Schaefer A, Merad M. CSF-1 controls cerebellar microglia and is required for motor function and social interaction. *J Exp Med*. 2019 Jul 26. [Epub ahead of print]

Katsuo K, Komatsu-Fujii T, Kaku Y, Nomura T, Kabashima K. Pruritic skin involvement of necrotizing sarcoid granulomatosis: a case report. *J Eur Acad Dermatol Venereol*. 2019 Aug 13.[Epub ahead of print]

Khoo BL, Greci G, Lim JSY, Lim YP, Fong J, Yeap WH, Bin Lim S, Chua SL, Wong SC, Yap YS, Lee SC, Lim CT, Han J. Low-dose anti-inflammatory combinatorial therapy reduced cancer stem cell formation in patient-derived preclinical models for tumour relapse prevention. *Br J Cancer*. 2019 Feb;120(4):407-423.

Kim B, Fukuda M, Lee JY, Su D, Sanu S, Silvin A, Khoo ATT, Kwon T, Liu X, Chi W, Liu XG, Choi S, Wan DSY, Park SJ, Kim JS, Ginhoux F, Je HS and Chang YT. Visualizing Microglia with a Fluorescence Turn-On Ugt1a7c Substrate. *Angew Chem Int Ed Engl*. 2019 Apr 30. [Epub ahead of print]

Ko HL, Zhuo Z, Ren EC. HNF4 α Combinatorial Isoform Heterodimers Activate Distinct Gene Targets that Differ from Their Corresponding Homodimers. *Cell Rep*. 2019 Mar 5;26(10):2549-2557.e3.

Kogame T, Takegami T, Sakai T, Kataoka T, Hirata M, Budair FM, Ueshima C, Matsui M, Nomura T, Kabashima K. Immunohistochemical analysis of class-switched subtype of primary cutaneous marginal zone lymphoma in terms of inducible skin-associated lymphoid tissue (iSALT). *J Eur Acad Dermatol Venereol*. 2019 May 24. [Epub ahead of print]

Koh R, Szeverényi I, Lee B, Denil SLIJ, John Lim SY, Benny PA, Grasset N, Tan BK, Lane EB. Oxygen-mediated control of the keratinocyte proliferation-differentiation axis. *J Invest Dermatol*. 2019 Jul 5. [Epub ahead of print]

Komatsu-Fujii T, Honda T, Tahara J, Yamashita C, Oguma T, Dainichi T, Kabashima K. Efficacy of intravenous immunoglobulins for laryngopharyngeal lesions and upper airway obstruction in epidermolysis bullosa acquisita. *J Eur Acad Dermatol Venereol*. 2019 Nov 15. [Epub ahead of print]

Kongsuphol P, Gupta S, Liu Y, Bhuvanendran Nair Gourikutty S, Biswas SK, Ramadan Q. In vitro micro-physiological model of the inflamed human adipose tissue for immune-metabolic analysis in type II diabetes. *Sci Rep*. 2019 Mar 20;9(1):4887.

Kumar D, Lee B, Puan KJ, Lee W, Luis BS, Yusof N, Andiappan AK, Del Rosario R, Poschmann J, Kumar P, DeLibero G, Singhal A, Prabhakar S, De Yun W, Poidinger M, Röttschke O. Resistin expression in human monocytes is controlled by two linked promoter SNPs mediating NF κ B p50/p50 binding and C-methylation. *Sci Rep*. 2019 Oct 23;9(1):15245.

Lachmandas E, Eckold C, Böhme J, Koeken VACM, Marzuki MB, Blok B, Arts RJW, Chen J, Teng KWW, Ratter J, Smolders EJ, van den Heuvel C, Stienstra R, Dockrell HM, Newell E, Netea MG, Singhal A, Cliff JM, van Crevel R. Metformin alters human host responses to Mycobacterium tuberculosis in healthy subjects. *J Infect Dis*. 2019 Feb 12. [Epub ahead of print]

Lai CPT, Yeong JPS, Tan AS, Ong CHC, Lee B, Lim JCT, Thike AA, Iqbal J, Dent RA, Lim EH, Tan PH. Evaluation of phospho-histone H3 in Asian triple-negative breast cancer using multiplex immunofluorescence. *Breast Cancer Res Treat*. 2019 Aug 13. [Epub ahead of print]

Le Bert N, Salimzadeh L, Gill US, Dutertre CA, Fachetti F, Tan A, Hung M, Novikov N, Lampertico P, Fletcher SP, Kennedy PTF, Bertolotti A. Comparative characterization of B cells specific for HBV nucleocapsid and envelope proteins in patients with chronic hepatitis B. *J Hepatol*. 2019 Jul 23. [Epub ahead of print]

Le Page A, Khalil A, Vermette P, Frost EH, Larbi A, Witkowski JM, Fulop T. The role of elastin-derived peptides in human physiology and diseases. *Matrix Biol.* 2019 Jul 8. [Epub ahead of print]

Lee WC, Russell B, Rénia L. Sticking for a Cause: The Falciparum Malaria Parasites Cytoadherence Paradigm. *Front Immunol.* 2019 Jun 27;10:1444.

Lee SWL, Paoletti C, Campisi M, Osaki T, Adriani G, Kamm RD, Mattu C, Chiono V. MicroRNA delivery through nanoparticles. *J Control Release.* 2019 Oct 14. [Epub ahead of print]

Lim CJ, Lee YH, Pan L, Lai L, Chua C, Wasser M, Lim TKH, Yeong J, Toh HC, Lee SY, Chan CY, Goh BK, Chung A, Heikenwälder M, Ng IO, Chow P, Albani S, Chew V. Multidimensional analyses reveal distinct immune microenvironment in hepatitis B virus-related hepatocellular carcinoma. *Gut.* 2019 May;68(5):916-927.

Lin J, Mohamed I, Lin PH, Shirahama H, Milbreta U, Sieow JL, Peng Y, Bugiani M, Wong SC, Levinson H, Chew SY. Modulating Macrophage Phenotype by Sustained MicroRNA Delivery Improves Host-Implant Integration. *Adv Healthc Mater.* 2019 Dec 18:e1901257. [Epub ahead of print]

Liu Z, Gu Y, Chakarov S, Bleriot C, Kwok I, Chen X, Shin A, Huang W, Dress RJ, Dutertre CA, Schlitzer A, Chen J, Ng LG, Wang H, Liu Z, Su B, Ginhoux F. Fate Mapping via Ms4a3-Expression History Traces Monocyte-Derived Cells. *Cell.* 2019 Sep 5;178(6):1509-1525.e19.

Low L, Goh A, Koh J, Lim S, Wang CI. Targeting mutant p53-expressing tumours with a T cell receptor-like antibody specific for a wild-type antigen. *Nat Commun.* 2019 Nov 26;10(1):5382.

Lu Y, Karagounis LG, Ng TP, Carre C, Narang V, Wong G, Ying Tan CT, Zin Nyunt MS, Gao Q, Abel B, Poidinger M, Fulop T, Bosco N, Larbi A. Systemic and Metabolic Signature of Sarcopenia in Community-Dwelling Older Adults. *J Gerontol A Biol Sci Med Sci.* 2019 Jan 8. [Epub ahead of print]

Lu Y, Monaco G, Camous X, Andiappan AK, Rotzschke O, Ng TP, Larbi A. Biomarker Signatures Predicting 10-Year All-Cause and Disease-Specific Mortality. *J Gerontol A Biol Sci Med Sci.* 2019 Mar 14;74(4):469-479.

Lu Y, Niti M, Yap KB, Tan CTY, Zin Nyunt MS, Feng L, Tan BY, Chan G, Khoo SA, Chan SM, Yap P, Larbi A, Ng TP. Assessment of Sarcopenia Among Community-Dwelling At-Risk Frail Adults Aged 65 Years and Older Who Received Multidomain Lifestyle Interventions: A Secondary Analysis of a Randomized Clinical Trial. *JAMA Netw Open.* 2019 Oct 2;2(10):e1913346.

Lum FM, Narang V, Hue S, Chen J, McGovern N, Rajarethinam R, Tan JJ, Amrun SN, Chan YH, Lee CY, Chua TK, Yee WX, Yeo NK, Tan TC, Liu X, Haldenby S, Leo YS, Ginhoux F, Chan JK, Hiscox J, Chong CY, Ng LF. Immunological observations and transcriptomic analysis of trimester-specific full-term placentas from three Zika virus-infected women. *Clin Transl Immunology.* 2019 Nov 5;8(11):e01082.

Malleret B. Plasmodium kinase disruption: new hopes for anti-malarial drug discovery. *Br J Haematol.* 2019 Sep 30. [Epub ahead of print]

Mambwe B, Neo K, Javanmard Khameneh H, Leong KWK, Colantuoni M, Vacca M, Muimo R, Mortellaro A. Tyrosine Dephosphorylation of ASC Modulates the Activation of the NLRP3 and AIM2 Inflammasomes. *Front Immunol.* 2019 Jul 5;10:1556.

Matta SA, Blanchet-Rethore S, Sio YY, Suri BK, Andiappan AK, Anantharaman R, Piketty C, Bourdes V, Chew FT. Different phenotypes and factors associated with atopic dermatitis in the young adult Singaporean Chinese population: A cross-sectional study. *World Allergy Orgn J*. 2019 Jan 26;12(1):100008.

Martinez N, Cheng CY, Ketheesan N, Cullen A, Tang Y, Lum J, West K, Poidinger M, Guertin DA, Singhal A, Kornfeld H. mTORC2/Akt activation in adipocytes is required for adipose tissue inflammation in tuberculosis. *EBioMedicine*. 2019 Jul 3. [Epub ahead of print]

Mattiola I, Tomay F, De Pizzol M, Silva-Gomes R, Savino B, Gulic T, Doni A, Lonardi S, Astrid Boutet M, Nerviani A, Carriero R, Molgora M, Stravalaci M, Morone D, Shalova IN, Lee Y, Biswas SK, Mantovani G, Sironi M, Pitzalis C, Vermi W, Bottazzi B, Mantovani A, Locati M. The macrophage tetraspan MS4A4A enhances dectin-1-dependent NK cell-mediated resistance to metastasis. *Nat Immunol*. 2019 Jul 1. [Epub ahead of print]

Miermont A, Lee SWL, Adriani G, Kamm RD. Quantitative screening of the effects of hyper-osmotic stress on cancer cells cultured in 2- or 3-dimensional settings. *Sci Rep*. 2019 Sep 24;9(1):13782.

Miranda A, Hamilton PT, Zhang AW, Pattnaik S, Becht E, Mezheyeuski A, Bruun J, Micke P, de Reynies A, Nelson BH. Cancer stemness, intratumoral heterogeneity, and immune response across cancers. *Proc Natl Acad Sci U S A*. 2019 Apr 17. [Epub ahead of print]

Nakajima S, Nomura T, Common J, Kabashima K. Insights into atopic dermatitis gained from genetically defined mouse models. *J Allergy Clin Immunol*. 2019 Jan;143(1):13-25.

Nakashima C, Ishida Y, Nakagawa K, Irie H, Hirata M, Kataoka T, Otsuka A, Kabashima K. Identification of CD49a+ CD8+ resident memory T cells in vitiligo-like lesions associated with nivolumab treatment for melanoma. *J Eur Acad Dermatol Venereol*. 2019 Sep 30. [Epub ahead of print]

Neo JYJ, Wee SYK, Bonne I, Tay SH, Raida M, Jovanovic V, Fairhurst AM, Lu J, Hanson BJ, MacAry PA. Characterisation of a human antibody that potentially links cytomegalovirus infection with systemic lupus erythematosus. *Sci Rep*. 2019 Jul 10;9(1):9998.

Ng LG, Ostuni R, Hidalgo A. Heterogeneity of neutrophils. *Nat Rev Immunol*. 2019 Feb 28. [Epub ahead of print]

Ng MSF, Roth TL, Mendoza VF, Marson A, Burt TD. Helios enhances the preferential differentiation of human fetal CD4+ naïve T cells into regulatory T cells. *Sci Immunol*. 2019 Nov 22;4(41).

Ng PML, Kaliaperumal N, Lee CY, Chin WJ, Tan HC, Au VB, Goh AX, Tan QW, Yeo DSG, Connolly JE, Wang CI. Enhancing Antigen Cross-Presentation in Human Monocyte-Derived Dendritic Cells by Recruiting the Intracellular Fc Receptor TRIM21. *J Immunol*. 2019 Feb 22. [Epub ahead of print]

Nguyen MN, Verma CS, Zhong P. AppA: a web server for analysis, comparison, and visualization of contact residues and interfacial waters of antibody-antigen structures and models. *Nucleic Acids Res*. 2019 May 9. [Epub ahead of print]

O'Koren EG, Yu C, Klingeborn M, Wong AYW, Prigge CL, Mathew R, Kalnitsky J, Msallam RA, Silvin A, Kay JN, Bowes Rickman C, Arshavsky VY, Ginhoux F, Merad M, Saban DR. Microglial Function Is

Distinct in Different Anatomical Locations during Retinal Homeostasis and Degeneration. *Immunity*. 2019 Feb 26. [Epub ahead of print]

Ong SM, Teng K, Newell E, Chen H, Chen J, Loy T, Yeo TW, Fink K, Wong SC. A Novel, Five-Marker Alternative to CD16-CD14 Gating to Identify the Three Human Monocyte Subsets. *Front Immunol*. 2019 Jul 26;10:1761.

Ooi J, Langley SR, Xu X, Utami KH, Sim B, Huang Y, Harmston NP, Tay YL, Ziaei A, Zeng R, Low D, Aminkeng F, Sobota RM, Ginhoux F, Petretto E, Pouladi MA. Unbiased Profiling of Isogenic Huntington Disease hPSC-Derived CNS and Peripheral Cells Reveals Strong Cell-Type Specificity of CAG Length Effects. *Cell Rep*. 2019 Feb 26;26(9):2494-2508.e7.

Pal A, Neo K, Rajamani L, Ferrer FJ, Lane DP, Verma CS, Mortellaro A. Inhibition of NLRP3 inflammasome activation by cell-permeable stapled peptides. *Sci Rep*. 2019 Mar 20;9(1):4913.

Papadopoulou M, Tieppo P, McGovern N, Gosselin F, Chan JKY, Goetgeluk G, Dauby N, Cogan A, Donner C, Ginhoux F, Vandekerckhove B, Vermijlen D. TCR Sequencing Reveals the Distinct Development of Fetal and Adult Human V γ 9V δ 2 T Cells. *J Immunol*. 2019 Sep 15;203(6):1468-1479.

Peng Y, Zi XX, Teng TF, Lee B, Lum J, Tang SA, Tan KS, Qiu QH, Ye J, Shi L, Guan WJ, Andiappan AK, Wang Y. Whole-transcriptome sequencing reveals heightened inflammation and defective host-defense responses in chronic rhinosinusitis with nasal polyps. *Eur Respir J*. 2019 Aug 22. [Epub ahead of print]

Pérez-Pérez MJ, Delang L, Ng LFP, Priego EM. Chikungunya virus drug discovery: still a long way to go? *Expert Opin Drug Discov*. 2019 Jun 10. [Epub ahead of print]

Periasamy P, Hutchinson PE, Chen J, Bonne I, Shahul Hameed SS, Selvam P, Hey YY, Fink K, Irving AT, Dutertre CA, Baker M, Cramer G, Wang LF, Alonso S. Studies on B Cells in the Fruit-Eating Black Flying Fox (*Pteropus alecto*). *Front Immunol*. 2019 Mar 14;10:489.

Pezzi L, Diallo M, Rosa-Freitas MG, Vega-Rua A, Ng LFP, Boyer S, Drexler JF, Vasilakis N, Lourenco-de-Oliveira R, Weaver SC, Kohl A, de Lamballerie X, Failloux AB; GloPID-R chikungunya, o'nyong-nyong and Mayaro virus Working Group. GloPID-R report on chikungunya, o'nyong-nyong and Mayaro virus, part 5: Entomological aspects. *Antiviral Res*. 2019 Dec 5:104670. [Epub ahead of print]

Pezzi L, Reusken CB, Weaver SC, Drexler JF, Busch M, LaBeaud AD, Diamond MS, Vasilakis N, Drebot MA, Siqueira AM, Ribeiro GS, Kohl A, Lecuit M, Ng LFP, Gallian P, de Lamballerie X, GloPID-R Chikungunya, O'nyong-nyong and Mayaro virus Working Group, Boyer S, Brasil P, Diallo M, Failloux AB, Jaenisch T, Lourenço-de-Oliveira R, Neyts J, Rios M, Rodriguez-Morales AJ, Rosa-Freitas MG, Sall A, Simmons G, Simon F, Vega Rua A. GloPID-R report on Chikungunya, O'nyong-nyong and Mayaro virus, part I: Biological diagnostics. *Antiviral Res*. 2019 Mar 21. [Epub ahead of print]

Porcu E, Rüeger S, Lepik K; eQTLGen Consortium; BIOS Consortium, Santoni FA, Reymond A, Kutalik Z. Mendelian randomization integrating GWAS and eQTL data reveals genetic determinants of complex and clinical traits. *Nat Commun*. 2019 Jul 24;10(1):3300.

Qin L, Stanley S, Ding H, Zhang T, Truong VTT, Celhar T, Fairhurst AM, Pedroza C, Petri M, Saxena R, Mohan C. Urinary pro-thrombotic, anti-thrombotic, and fibrinolytic molecules as biomarkers of lupus nephritis. *Arthritis Res Ther*. 2019 Jul 18;21(1):176.

Radulescu CI, Garcia-Miralles M, Sidik H, Bardile CF, Yusof NABM, Lee HU, Ho EXP, Chu CW, Layton E, Low D, De Sessions PF, Pettersson S, Ginhoux F, Pouladi MA. Manipulation of microbiota reveals altered callosal myelination and white matter plasticity in a model of Huntington disease. *Neurobiol Dis*. 2019 Feb 23;127:65-75. [Epub ahead of print]

Rajendran S, Li Y, Ngoh E, Wong HY, Cheng MS, Wang CI, Schwarz H. Development of a Bispecific Antibody Targeting CD30 and CD137 on Hodgkin and Reed-Sternberg Cells. *Front Oncol*. 2019 Sep 24;9:945.

Rawlinson TA, Barber NM, Mohring F, Cho JS, Kosaisavee V, Gérard SF, Alanine DGW, Labbé GM, Elias SC, Silk SE, Quinkert D, Jin J, Marshall JM, Payne RO, Minassian AM, Russell B, Rénia L, Nosten FH, Moon RW, Higgins MK, Draper SJ. Structural basis for inhibition of Plasmodium vivax invasion by a broadly neutralizing vaccine-induced human antibody. *Nat Microbiol*. 2019 May 27. [Epub ahead of print]

Ruffin N, Gea-Mallorquí E, Brouiller F, Jouve M, Silvin A, See P, Dutertre CA, Ginhoux F, Benaroch P. Constitutive Siglec-1 expression confers susceptibility to HIV-1 infection of human dendritic cell precursors. *Proc Natl Acad Sci U S A*. 2019 Oct 7. [Epub ahead of print]

Sakurai K, Dainichi T, Garcet S, Tsuchiya S, Yamamoto Y, Kitoh A, Honda T, Nomura T, Egawa G, Otsuka A, Nakajima S, Matsumoto R, Nakano Y, Otsuka M, Iwakura Y, Grinberg-Bleyer Y, Ghosh S, Sugimoto Y, Guttman-Yassky E, Krueger JG, Kabashima K. Cutaneous p38 mitogen-activated protein kinase activation triggers psoriatic dermatitis. *J Allergy Clin Immunol*. 2019 Jul 18.[Epub ahead of print]

Sawada Y, Honda T, Nakamizo S, Nakajima S, Nonomura Y, Otsuka A, Egawa G, Yoshimoto T, Nakamura M, Narumiya S, Kabashima K. Prostaglandin E2-EP2 signaling negatively regulates murine atopic dermatitis-like skin inflammation by suppressing TSLP expression. *J Allergy Clin Immunol*. 2019 Jul 10. [Epub ahead of print]

Schyns J, Bai Q, Ruscitti C, Radermecker C, De Schepper S, Chakarov S, Farnir F, Pirottin D, Ginhoux F, Boeckxstaens G, Bureau F, Marichal T. Non-classical tissue monocytes and two functionally distinct populations of interstitial macrophages populate the mouse lung. *Nat Commun*. 2019 Sep 3;10(1):3964.

Shen XN, Lu Y, Tan CTY, Liu LY, Yu JT, Feng L, Larbi A. Identification of inflammatory and vascular markers associated with mild cognitive impairment. *Aging (Albany NY)*. 2019 Apr 30;11(8):2403-2419.

Siau A, Huang X, Loh HP, Zhang N, Meng W, Sze SK, Renia L, Preiser PR. Immunomic identification of malaria antigens associated with protection in mice. *Mol Cell Proteomics*. 2019 Feb 4. [Epub ahead of print]

Simoni Y, Fehlings M, Newell EW. Multiplex MHC Class I Tetramer Combined with Intranuclear Staining by Mass Cytometry. *Methods Mol Biol*. 2019;1989:147-158.

Stahl EA, Breen G, Forstner AJ, McQuillin A, Ripke S, Trubetskoy V, Mattheisen M, Wang Y, Coleman JRI, Gaspar HA, de Leeuw CA, Steinberg S, Pavlides JMW, Trzaskowski M, Byrne EM, Pers TH, Holmans PA, Richards AL, Abbott L, Agerbo E, Akil H, Albani D, Alliey-Rodriguez N, Als TD, Anjorin A, Antilla V, Awasthi S, Badner JA, Bækvad-Hansen M, Barchas JD, Bass N, Bauer M, Belliveau R, Bergen SE, Pedersen CB, Bøen E, Boks MP, Boocock J, Budde M, Bunney W, Burmeister M, Bybjerg-

Grauholm J, Byerley W, Casas M, Cerrato F, Cervantes P, Chambert K, Charney AW, Chen D, Churchhouse C, Clarke TK, Coryell W, Craig DW, Cruceanu C, Curtis D, Czerski PM, Dale AM, de Jong S, Degenhardt F, Del-Favero J, DePaulo JR, Djurovic S, Dobbyn AL, Dumont A, Elvsåshagen T, Escott-Price V, Fan CC, Fischer SB, Flickinger M, Foroud TM, Forty L, Frank J, Fraser C, Freimer NB, Frisén L, Gade K, Gage D, Garnham J, Giambartolomei C, Pedersen MG, Goldstein J, Gordon SD, Gordon-Smith K, Green EK, Green MJ, Greenwood TA, Grove J, Guan W, Guzman-Parra J, Hamshere ML, Hautzinger M, Heilbronner U, Herms S, Hipolito M, Hoffmann P, Holland D, Huckins L, Jamain S, Johnson JS, Juréus A, Kandaswamy R, Karlsson R, Kennedy JL, Kittel-Schneider S, Knowles JA, Kogevinas M, Koller AC, Kupka R, Lavebratt C, Lawrence J, Lawson WB, Leber M, Lee PH, Levy SE, Li JZ, Liu C, Lucae S, Maaser A, MacIntyre DJ, Mahon PB, Maier W, Martinsson L, McCarroll S, McGuffin P, McInnis MG, McKay JD, Medeiros H, Medland SE, Meng F, Milani L, Montgomery GW, Morris DW, Mühleisen TW, Mullins N, Nguyen H, Nievergelt CM, Adolfsson AN, Nwulia EA, O'Donovan C, Loohuis LMO, Ori APS, Oruc L, Ösby U, Perlis RH, Perry A, Pfennig A, Potash JB, Purcell SM, Regeer EJ, Reif A, Reinbold CS, Rice JP, Rivas F, Rivera M, Roussos P, Ruderfer DM, Ryu E, Sánchez-Mora C, Schatzberg AF, Scheftner WA, Schork NJ, Shannon Weickert C, Shekhtman T, Shilling PD, Sigurdsson E, Slaney C, Smeland OB, Sobell JL, Sørholm Hansen C, Spijker AT, St Clair D, Steffens M, Strauss JS, Streit F, Strohmaier J, Szlinger S, Thompson RC, Thorgeirsson TE, Treutlein J, Vedder H, Wang W, Watson SJ, Weickert TW, Witt SH, Xi S, Xu W, Young AH, Zandi P, Zhang P, Zöllner S; eQTLGen Consortium; BIOS Consortium, Adolfsson R, Agartz I, Alda M, Backlund L, Baune BT, Bellivier F, Berrettini WH, Biernacka JM, Blackwood DHR, Boehnke M, Børglum AD, Corvin A, Craddock N, Daly MJ, Dannlowski U, Esko T, Etain B, Frye M, Fullerton JM, Gershon ES, Gill M, Goes F, Grigoriu-Serbanescu M, Hauser J, Hougaard DM, Hultman CM, Jones I, Jones LA, Kahn RS, Kirov G, Landén M, Leboyer M, Lewis CM, Li QS, Lissowska J, Martin NG, Mayoral F, McElroy SL, McIntosh AM, McMahon FJ, Melle I, Metspalu A, Mitchell PB, Morken G, Mors O, Mortensen PB, Müller-Myhsok B, Myers RM, Neale BM, Nimgaonkar V, Nordentoft M, Nöthen MM, O'Donovan MC, Oedegaard KJ, Owen MJ, Paciga SA, Pato C, Pato MT, Posthuma D, Ramos-Quiroga JA, Ribasés M, Rietschel M, Rouleau GA, Schalling M, Schofield PR, Schulze TG, Serretti A, Smoller JW, Stefansson H, Stefansson K, Stordal E, Sullivan PF, Turecki G, Vaaler AE, Vieta E, Vincent JB, Werge T, Nurnberger JI, Wray NR, Di Florio A, Edenberg HJ, Cichon S, Ophoff RA, Scott LJ, Andreassen OA, Kelsoe J, Sklar P; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium. Genome-wide association study identifies 30 loci associated with bipolar disorder. *Nat Genet*. 2019 May;51(5):793-803.

Tan AT, Yang N, Krishnamoorthy TL, Oei V, Chua A, Xinyuan Z, Si TH, Chia A, Le Bert N, Low D, Tan HK, Kumar R, Irani FG, Zong HZ, Zhang Q, Guccione E, Lu-En W, Koh S, Hwang W, Chow WC, Bertoletti A. Use of Expression Profiles of HBV DNA Integrated Into Genomes of Hepatocellular Carcinoma Cells to Select T Cells for Immunotherapy. *Gastroenterology*. 2019 Jan 31. [Epub ahead of print]

Tan KS, Andiappan AK, Lee B, Yan Y, Liu J, Tang SA, Lum J, He TT, Ong YK, Thong M, Lim HF, Choi HW, Rotzschke O, Chow VT, Wang Y. RNA Sequencing of H3N2 Influenza Virus-Infected Human Nasal Epithelial Cells from Multiple Subjects Reveals Molecular Pathways Associated with Tissue Injury and Complications. *Cells*. 2019 Aug 27;8(9).

Tan-Garcia A, Lai F, Sheng Yeong JP, Irac SE, Ng PY, Msallam R, Tatt Lim JC, Wai LE, Tham CYL, Choo SP, Lim T, Young DY, D'Ambrosio R, Degasperis E, Perbellini R, Newell E, Le Bert N, Ginhoux F, Bertoletti A, Chen Q, Dutertre CA. Liver fibrosis and CD206+ macrophage accumulation are suppressed by anti-GM-CSF therapy. *JHEP Rep*. 2019 Dec 6;2(1):100062

Teh YC, Ding JL, Ng LG, Chong SZ. Capturing the Fantastic Voyage of Monocytes Through Time and Space. *Front Immunol*. 2019 Apr 16;10:834.

Tenno M, Wong AYW, Ikegaya M, Miyauchi E, Seo W, See P, Kato T, Taida T, Oishi-Ohno M, Ohno H, Yoshida H, Ginhoux F, Taniuchi I. Essential functions of Runx/Cbfb in gut conventional dendritic cells for priming Ror γ + T cells. *Life Sci Alliance*. 2019 Dec 9;3(1).

Thion MS, Mosser CA, Férézou I, Grisel P, Baptista S, Low D, Ginhoux F, Garel S, Audinat E. Biphasic Impact of Prenatal Inflammation and Macrophage Depletion on the Wiring of Neocortical Inhibitory Circuits. *Cell Rep*. 2019 Jul 30;28(5):1119-1126.e4.

Thompson DJ, Genovese G, Halvardson J, Ulirsch JC, Wright DJ, Terao C, Davidsson OB, Day FR, Sulem P, Jiang Y, Danielsson M, Davies H, Dennis J, Dunlop MG, Easton DF, Fisher VA, Zink F, Houlston RS, Ingelsson M, Kar S, Kerrison ND, Kinnersley B, Kristjansson RP, Law PJ, Li R, Loveday C, Mattisson J, McCarroll SA, Murakami Y, Murray A, Olszewski P, Rychlicka-Buniowska E, Scott RA, Thorsteinsdottir U, Tomlinson I, Moghadam BT, Turnbull C, Wareham NJ, Gudbjartsson DF; International Lung Cancer Consortium (INTEGRAL-ILCCO); Breast Cancer Association Consortium; Consortium of Investigators of Modifiers of BRCA1/2; Endometrial Cancer Association Consortium; Ovarian Cancer Association Consortium; Prostate Cancer Association Group to Investigate Cancer Associated Alterations in the Genome (PRACTICAL) Consortium; Kidney Cancer GWAS Meta-Analysis Project; eQTLGen Consortium; Biobank-based Integrative Omics Study (BIOS) Consortium; 23andMe Research Team, Kamatani Y, Hoffmann ER, Jackson SP, Stefansson K, Auton A, Ong KK, Machiela MJ, Loh PR, Dumanski JP, Chanock SJ, Forsberg LA, Perry JRB. Genetic predisposition to mosaic Y chromosome loss in blood. *Nature*. 2019 Nov;575(7784):652-657.

Timmers PR, Mounier N, Lall K, Fischer K, Ning Z, Feng X, Bretherick AD, Clark DW; eQTLGen Consortium, Agbessi M, Ahsan H, Alves I, Andiappan A, Awadalla P, Battle A, Bonder MJ, Boomsma D, Christiansen M, Claringbould A, Deelen P, van Dongen J, Esko T, Favé M, Franke L, Frayling T, Gharib SA, Gibson G, Hemani G, Jansen R, Kalnapenkis A, Kasela S, Kettunen J, Kim Y, Kirsten H, Kovacs P, Krohn K, Kronberg-Guzman J, Kukushkina V, Kutalik Z, Kähönen M, Lee B, Lehtimäki T, Loeffler M, Marigorta U, Metspalu A, van Meurs J, Milani L, Müller-Nurasyid M, Nauck M, Nivard M, Penninx B, Perola M, Pervjakova N, Pierce B, Powell J, Prokisch H, Psaty BM, Raitakari O, Ring S, Ripatti S, Rotzschke O, Ruëger S, Saha A, Scholz M, Schramm K, Seppälä I, Stumvoll M, Sullivan P, Teumer A, Thiery J, Tong L, Tönjes A, Verlouw J, Visscher PM, Vösa U, Völker U, Yaghoobkar H, Yang J, Zeng B, Zhang F, Shen X, Esko T, Kutalik Z, Wilson JF, Joshi PK. Genomics of 1 million parent lifespans implicates novel pathways and common diseases and distinguishes survival chances. *Elife*. 2019 Jan 15;8.

Torres-Ruesta A, Teo TH, Chan YH, Rénia L, Ng LFP. Pathogenic Th1 responses in CHIKV-induced inflammation and their modulation upon Plasmodium parasites co-infection. *Immunol Rev*. 2019 Nov 26. [Epub ahead of print]

Uppu DSSM, Turvey ME, Sharif ARM, Bidet K, He Y, Ho V, Tambe AD, Lescar J, Tan EY, Fink K, Chen J, Hammond PT. Temporal release of a three-component protein subunit vaccine from polymer multilayers. *J Control Release*. 2019 Nov 20;317:130-141.

von Seidlein L, Peto TJ, Landier J, Nguyen TN, Tripura R, Phommasone K, Pongvongsa T, Lwin KM, Keereecharoen L, Kajeewiwa L, Thwin MM, Parker DM, Wiladphaingern J, Nosten S, Proux S, Corbel V, Tuong-Vy N, Phuc-Nhi TL, Son DH, Huong-Thu PN, Tuyen NTK, Tien NT, Dong LT, Hue DV, Quang HH, Nguon C, Davoeung C, Rekol H, Adhikari B, Henriques G, Phongmany P, Suangkanarat P, Jeeyapant A, Vihokhern B, van der Pluijm RW, Lubell Y, White LJ, Aguas R, Promnarate C, Sirithiranont P, Malleret B, Rénia L, Onsjö C, Chan XH, Chalk J, Miotto O, Patumrat K, Chotivanich K, Hanboonkunupakarn B, Jittmala P, Kaehler N, Cheah PY, Pell C, Dhorda M, Imwong M, Snounou G, Mukaka M, Peerawaranun P, Lee SJ, Simpson JA, Pukrittayakamee S, Singhasivanon P, Grobusch MP,

Cobelens F, Smithuis F, Newton PN, Thwaites GE, Day NPJ, Mayxay M, Hien TT, Nosten FH, Dondorp AM, White NJ. The impact of targeted malaria elimination with mass drug administrations on falciparum malaria in Southeast Asia: A cluster randomised trial. *PLoS Med*. 2019 Feb 15;16(2):e1002745.

Wang S, Liu J, Goh CC, Ng LG, Liu B. NIR-II-Excited Intravital Two-Photon Microscopy Distinguishes Deep Cerebral and Tumor Vasculatures with an Ultrabright NIR-I AIE Luminogen. *Adv Mater*. 2019 Sep 15:e1904447.

Wang S, Wu W, Manghnani P, Xu S, Wang Y, Goh CC, Ng LG, Liu B. Polymerization-Enhanced Two-Photon Photosensitization for Precise Photodynamic Therapy. *ACS Nano*. 2019 Feb 18. [Epub ahead of print]

Wong GCL, Narang V, Lu Y, Camous X, Nyunt MSZ, Carre C, Tan C, Xian CH, Chong J, Chua M, How W, Mok E, Tambyah P, Poidinger M, Abel B, Burdin N, Quemeneur L, Bosco N, Ng TP, Larbi A. Hallmarks of improved immunological responses in the vaccination of more physically active elderly females. *Exerc Immunol Rev*. 2019;25:20-33.

Wong Y, Nakamizo S, Tan KJ, Kabashima K. An Update on the Role of Adipose Tissues in Psoriasis. *Front Immunol*. 2019 Jun 28;10:1507.

Xu W, Larbi A. Heterogeneity in V δ 2^{pos} T cell homeostasis in response to stress. *EBioMedicine*. 2019 May;43:31.

Yang F, Teoh F, Tan ASM, Cao Y, Pavelka N, Berman J. Aneuploidy enables cross-adaptation to unrelated drugs. *Mol Biol Evol*. 2019 Apr 27. [Epub ahead of print]

Yeong J, Lim JCT, Lee B, Li H, Ong CCH, Thike AA, Yeap WH, Yang Y, Lim AYH, Tay TKY, Liu J, Wong SC, Chen J, Lim EH, Iqbal J, Dent R, Newell EW, Tan PH. Prognostic value of CD8 + PD-1+ immune infiltrates and PDCD1 gene expression in triple negative breast cancer. *J Immunother Cancer*. 2019 Feb 6;7(1):34.

Yvan-Charvet L, Ng LG. Granulopoiesis and Neutrophil Homeostasis: A Metabolic, Daily Balancing Act. *Trends Immunol*. 2019 Jul;40(7):598-612.

Zhong X, Lu Y, Gao Q, Nyunt MSZ, Fulop T, Monterola CP, Tong JC, Larbi A, Ng TP. Estimating Biological Age in the Singapore Longitudinal Aging Study. *J Gerontol A Biol Sci Med Sci*. 2019 Jun 8. [Epub ahead of print]