

SIgN affiliated publications by Melissa Ng

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2025

Ng M, Cerezo-Wallis D, Ng LG, Hidalgo A. Adaptations of neutrophils in cancer. *Immunity*. 2025 Jan 14;58(1):40-58.

2024

Dunsmore G, Guo W, Li Z, Bejarano DA, Pai R, Yang K, Kwok I, Tan L, Ng M, De La Calle Fabregat C, Yatim A, Bougouin A, Mulder K, Thomas J, Villar J, Bied M, Kloeckner B, Dutertre CA, Gessain G, Chakarov S, Liu Z, Scoazec JY, Lennon-Dumenil AM, Marichal T, Sautès-Fridman C, Fridman WH, Sharma A, Su B, Schlitzer A, Ng LG, Blériot C, Ginhoux F. Timing and location dictate monocyte fate and their transition to tumor-associated macrophages. *Sci Immunol*. 2024 Jul 26;9(97):eadk3981.

Ng MSF, Kwok I, Tan L, Shi C, Cerezo-Wallis D, Tan Y, Leong K, Calvo GF, Yang K, Zhang Y, Jin J, Liong KH, Wu D, He R, Liu D, Teh YC, Bleriot C, Caronni N, Liu Z, Duan K, Narang V, Ballesteros I, Moalli F, Li M, Chen J, Liu Y, Liu L, Qi J, Liu Y, Jiang L, Shen B, Cheng H, Cheng T, Angeli V, Sharma A, Loh YH, Tey HL, Chong SZ, Iannacone M, Ostuni R, Hidalgo A, Ginhoux F, Ng LG. Deterministic reprogramming of neutrophils within tumors. *Science*. 2024 Jan 12;383(6679):eadf6493.

2023

Caronni N, La Terza F, Vittoria FM, Barbiera G, Mezzanzanica L, Cuzzola V, Barresi S, Pellegatta M, Canevazzi P, Dunsmore G, Leonardi C, Montaldo E, Lusito E, Dugnani E, Citro A, Ng MSF, Schiavo Lena M, Drago D, Andolfo A, Brugiapaglia S, Scagliotti A, Mortellaro A, Corbo V, Liu Z, Mondino A, Dellabona P, Piemonti L, Taveggia C, Doglioni C, Cappello P, Novelli F, Iannacone M, Ng LG, Ginhoux F, Crippa S, Falconi M, Bonini C, Naldini L, Genua M, Ostuni R. IL-1 β + macrophages fuel pathogenic inflammation in pancreatic cancer. *Nature*. 2023 Nov;623(7986):415-422.

Li M, Ng M, Ng LG. Firing up neutrophil anti-tumor immunity with cocktails. *Cancer Cell*. 2023 Feb 13;41(2):227-229.

2022

Gu Y, Low JM, Tan JSY, Ng MSF, Ng LFP, Shunmuganathan B, Gupta R, MacAry PA, Amin Z, Lee LY, Lian D, Shek LP, Zhong Y, Wang LW. Immune and pathophysiologic profiling of antenatal coronavirus disease 2019 in the GIFT cohort: A Singaporean case-control study. *Front Pediatr*. 2022 Sep 15;10:949756.

Teh YC, Chooi MY, Liu D, Kwok I, Lai GC, Ayub Ow Yong L, Ng M, Li JLY, Tan Y, Evrard M, Tan L, Liong KH, Leong K, Goh CC, Chan AYJ, Shadan NB, Mantri CK, Hwang YY, Cheng H, Cheng T, Yu W, Tey HL, Larbi A, St John A, Angeli V, Ruedl C, Lee B, Ginhoux F, Chen SL, Ng LG, Ding JL, Chong SZ. Transitional premonocytes emerge in the periphery for host defense against bacterial infections. *Sci Adv*. 2022 Mar 4;8(9):eabj4641.

Low JM, Gu Y, Ng MSF, Wang LW, Amin Z, Zhong Y, MacAry PA. Human Milk Antibodies after BNT162b2 Vaccination Exhibit Reduced Binding against SARS-CoV-2 Variants of Concern. *Vaccines (Basel)*. 2022 Jan 31;10(2):225.

2021

Ng MSF, Tan L, Wang Q, Mackay CR, Ng LG. Neutrophils in cancer-unresolved questions. *Sci China Life Sci*. 2021 Feb 24

Low JM, Gu Y, Ng MSF, Amin Z, Lee LY, Ng YPM, Shunmuganathan BD, Niu Y, Gupta R, Tambyah PA, MacAry PA, Wang LW, Zhong Y. Codominant IgG and IgA expression with minimal vaccine mRNA in milk of BNT162b2 vaccinees. *NPJ Vaccines*. 2021 Aug 19;6(1):105.

Wu N, Sun H, Zhao X, Zhang Y, Tan J, Qi Y, Wang Q, Ng M, Liu Z, He L, Niu X, Chen L, Liu Z, Li HB, Zeng YA, Roulis M, Liu D, Cheng J, Zhou B, Ng LG, Zou D, Ye Y, Flavell RA, Ginhoux F, Su B. MAP3K2-regulated intestinal stromal cells define a distinct stem cell niche. *Nature*. 2021 Mar 3.

2020

Kwok I, Becht E, Xia Y, Ng M, Teh YC, Tan L, Evrard M, Li JLY, Tran HTN, Tan Y, Liu D, Mishra A, Liong KH, Leong K, Zhang Y, Olsson A, Mantri CK, Shyamsunder P, Liu Z, Piot C, Dutertre CA, Cheng H, Bari S, Ang N, Biswas SK, Koeffler HP, Tey HL, Larbi A, Su IH, Lee B, St John A, Chan JKY, Hwang WYK, Chen J, Salomonis N, Chong SZ, Grimes HL, Liu B, Hidalgo A, Newell EW, Cheng T, Ginhoux F, Ng LG. Combinatorial Single-Cell Analyses of Granulocyte-Monocyte Progenitor Heterogeneity Reveals an Early Uni-potent Neutrophil Progenitor. *Immunity*. 2020 Jun 22:S1074-7613(20)30235-1.