

Assistant Professor Benoît Malleret's Publications

1. Chooi WH, Ng CY, Ow V, Harley J, Ng W, Hor JH, Low KE, Malleret B, Xue K, Ng SY. Defined Alginate Hydrogels Support Spinal Cord Organoid Derivation, Maturation, and Modeling of Spinal Cord Diseases. **Advanced Healthcare Materials**. 2022
2. Yu S, Vassilev S, Lim ZR, Sivalingam J, Lam ATL, Ho V, Renia L, Malleret B, Reuveny S, Oh SKW. Selection of O-negative induced pluripotent stem cell clones for high-density red blood cell production in a scalable perfusion bioreactor system. **Cell Proliferation**. 2022
3. Deng L, Wojciech L, Png CW, Koh EY, Aung TT, Kioh DYQ, Chan ECY, Malleret B, Zhang Y, Peng G, Gascoigne NRJ, Tan KSW. Experimental colonization with *Blastocystis* ST4 is associated with protective immune responses and modulation of gut microbiome in a DSS-induced colitis mouse model. **Cell Mol Life Sci**. 2022 Apr 18;79(5):245.
4. Yu S, Vassilev S, Lim ZR, Sivalingam J, Lam ATL, Ho V, Renia L, Malleret B, Reuveny S, Oh SKW. Selection of O-negative induced pluripotent stem cell clones for high-density red blood cell production in a scalable perfusion bioreactor system. **Cell Prolif**. 2022 Mar 15:e13218.
5. Lombardini ED, Malleret B, Rungojn A, Popruk N, Kaewamatawong T, Brown AE, Turner GDH, Russell B, Ferguson DJP. Ultrastructural characterization of host-parasite interactions of *Plasmodium coatneyi* in rhesus macaques. **Parasitology**. 2022 Feb;149(2):161-170.
6. Lim ZR, Vassilev S, Leong YW, Hang JW, Rénia L, Malleret B, Oh SK. Industrially compatible transfusable iPSC-derived RBCs: Progress, challenges and prospective solutions. **Int J Mol Sci**. 2021 Sep 10;22(18):9808.
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8. Haiyambo DH, Aleksenko L, Mumbengegwi D, Bock R, Uusiku P, Malleret B, Rénia L, Quaye IK. Children with *Plasmodium vivax* infection previously observed in Namibia, were Duffy negative and carried a c.136G > A mutation. **BMC Infect**

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9. Malleret B*, Sahili AE, Tay MZ, Carissimo G, Ong ASM, Novera W, Lin J, Suwanarusk R, Kosaisavee V, Chu TTT, Sinha A, Howland SH, Fan Y, Gruszczyn J, Tham WH, Colin Y, Maurer- Stroh S, Snounou G, Ng LFP, Chan JKY, Chacko AM, Lescar J, Chandramohanadas R, Nosten F, Russell B, Rénia L. *Plasmodium vivax* binds host CD98hc (SLC3A2) to enter immature red blood cells. **Nat Microbiol.** 2021 Aug;6(8):991-999 (*co-corresponding author).
10. Nakamizo S, Dutertre CA, Khalilnezhad A, Zhang XM, Lim S, Lum J, Koh G, Foong C, Yong PJA, Tan KJ, Sato R, Tomari K, Yvan-Charvet L, He H, Guttman-Yassky E, Malleret B, Shibuya R, Iwata M, Janela B, Goto T, Lucinda TS, Tang MBY, Theng C, Julia V, Hacini-Rachinel F, Kabashima K, Ginhoux F. Single-cell analysis of human skin identifies CD14+ type 3 dendritic cells co- producing IL1B and IL23A in psoriasis. **J Exp Med.** 2021 Sep 6;218(9):e20202345
11. Hang JW, Tukijan F, Lee EQH, Abdeen SR, Aniweh Y, Malleret B. Zoonotic malaria: Non- Laverania *Plasmodium* biology and invasion mechanisms. **Pathogens.** 2021 Jul 13; 10(7), 889
12. Leong YW, Lee EQH, Rénia L, Malleret B. Rodent malaria erythrocyte preference assessment by an *ex vivo* tropism assay. **Front Cell Infect Microbiol.** 2021 Jul 12; 11:680136
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18. [Malleret B](#). Plasmodium kinase disruption: new hopes for anti-malarial drug discovery. **Br J Haematol**. 2020 Mar;188(5):603-604. 9 Sep 30. (Editorial comment)
19. Lee WC, Russell B, Sobota RM, Ghaffar K, Howland SW, Wong ZX, Maier AG, Dorin-Semblat D, Biswas S, Gamain B, Lau YL, [Malleret B](#), Chu C, Nosten F, Renia L. *Plasmodium*-infected erythrocytes induce secretion of IGFBP7 to form type II rosettes and escape phagocytosis. **Elife**. 2020 Feb 18;9.
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- Capacities to Form Multinucleate Giant Cells. **Front Immunol.** 2018 Jun 8;9:1247.
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