

2026 SigN Publications (with impact factor >4)

Last updated: 13 Feb 2026

[*Impact factor of immunology journals \(JCR 2024\)*](#)

Carrizo GE, Lin P, Lee SH, Shenderov K, [Blériot C](#), Cha M, Schimmelpfennig L, Shen Z, van Teijlingen Bakker N, Grzes KM, Kelly B, Safinia N, Schole KL, Musa Y, Mittler G, Zen Y, Pearce EJ, [Ginhoux F](#), Sanin DE, Puleston DJ, Pearce EL. The transition from monocyte to tissue-resident macrophage requires DHPS. *Nature*. 2026 Jan 21.

Guo J, Abbas A, Barbut C, Park EJ, Lim Q, [See T](#), Liow L, [Zhang B](#), Teo P. 3D-Printed Biohybrid PE/PCL Biphasic Osteochondral Plug for Knee Cartilage Repair. *ACS Materials Au* 0, 0, pp

Ho UY, Shohayeb B, Kamei H, Morris MJ, [Yeap YY](#), Richards D, Reichelt ME, Thomas WG, Noakes PG, Millard SS, Ng DCH. WDR62 is required for proper proliferation and early differentiation of skeletal myoblasts. *Commun Biol*. 2026 Jan 14.

Hu Y, Wu L, Qu S, Kong WT, Yu X, Xu J, Xu Z, He J, Wang C, Liu Z, Lu L, Ng LG, [Blériot C](#), Su B, [Ginhoux F](#), Li Z, Chakarov S. Temporal and spatial atlas of eosinophil specialization across tissues. *Nat Immunol*. 2026 Jan 9.

Jin H, Mou J, Zhu H, Liu K, Zhang M, Zhang Z, Pflanz S, Kasmi KE, Liu Z, [Ginhoux F](#), Lui KO, Zhou B. Lineage tracing reveals the origins and dynamics of macrophages in lung injury and repair. *Cell Discov*. 2026 Jan 14;12(1):3.

Liu W, Zhang X, Chai X, Fan Z, Lin H, [Chen J](#), Sun L, Yu T, Yeong J, Liu J. FAST: Scalable Factor Analysis for Spatial Dimension Reduction of Multi-section Spatial Transcriptomics. *Genomics Proteomics Bioinformatics*. 2026 Jan 24;qzag006.

Lu L, Chan CY, Than M, Teo S, Lau PY, [Lam KP](#), Ng KH, Yap HK. B-cell activation underpins Rituximab response in focal segmental glomerulosclerosis. *Transl Res*. 2026 Jan 6:S1931-5244(26)00001-0.

Papavasileiou S, Mo J, Boey D, Wu C, Tronstad M, Margerie L, Olsen RA, Bachmann JA, [Low JH](#), [Ong J](#), Blom LH, [Andiappan AK](#), Nilsson G, Dahlin JS. Single-Cell Omics Analysis of Human Basophils Reveals Two Transcriptionally Distinct Populations. *Allergy*. 2026 Jan 7.

[Poljak I](#), Chiappini C, [Adriani G](#). Engineering perfusion to meet tumor biology: are vascularized tumor-on-a-chip models ready to drive therapy innovation? *Lab Chip*. 2026 Jan 26.

Ruethers T, Sean A, Karnaneedi S, Chin R, Leeming MG, Nguyen V, Huerlimann R, Nugraha R, Bade P, Vij S, Shen X, Limviphuvadh V, Williamson NA, Domingos JA, Jerry DR, Maurer-Stroh S, [Andiappan AK](#), Lopata AL. Fish size matters - Variable food allergen profiles in farmed and wild Malabar red snapper (*Lutjanus malabaricus*). *Food Chem*. 2026 Jan 11;505:147950.