

SlgN affiliated publications by Wei WU

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Shen TK, Vignane T, Gilgioni EH, Traini L, [Kalaitidou E](#), Conan P, Li A, St-Pierre-Wijckmans W, Herranz JM, Elvira B, Otero Sanchez L, Trépo E, Deelman L, [Wu W](#), Filipovic MR, Messens J, Ezeriņa D, Gurzov EN. Metabolic dysfunction-associated steatohepatitis reduces hepatic H₂S-producing enzymes altering persulfidome composition. *Redox Biol.* 2025 Aug 5;86:103809.

Mobach S, Bergkamp ND, [Ma Z](#), Haselager MV, Anbuhl SM, Jurriens D, van den Bor J, Wang Z, Crudden C, Roos JL, Perez Almeria CV, Boergonje RA, Lohse MJ, Bosma R, Eldering E, Siderius M, [Wu W](#), Spaargaren M, Tonino SH, Kater AP, Smit MJ, Heukers R. Disruption of constitutive CXCR4 oligomers impairs oncogenic properties in lymphoid neoplasms. *Proc Natl Acad Sci U S A.* 2025 Jun 17;122(24):e2424186122.

Strijker JGM, Pascual-Pasto G, Grothusen GP, Kalmeljeijer YJ, [Kalaitidou E](#), Zhao C, McIntyre B, Matlaga S, Visser LL, Barisa M, Himsworth C, Shah R, Muller H, Schild LG, Hains PG, Zhong Q, Reddel RR, Robinson PJ, Catena X, Soengas MS, Margaritis T, Dekker FJ, Anderson J, Molenaar JJ, Bosse KR, [Wu W](#), Wienke J. Blocking MIF secretion enhances CAR T-cell efficacy against neuroblastoma. *Eur J Cancer.* 2025 Jan 27;218:115263.

2024

Gilgioni EH, Li A, St-Pierre-Wijckmans W, Shen TK, Pérez-Chávez I, Hovhannisyan G, Lisjak M, Negueruela J, Vandenbempt V, Bauzá-Martinez J, Herranz JM, Ezeriņa D, Demine S, Feng Z, Vignane T, Otero Sanchez L, Lambertucci F, Prašnická A, Devière J, Hay DC, Encinar JA, Singh SP, Messens J, Filipovic MR, Sharpe HJ, Trépo E, [Wu W](#), Gurzov EN. PTPRK regulates glycolysis and de novo lipogenesis to promote hepatocyte metabolic reprogramming in obesity. *Nat Commun.* 2024 Nov 4;15(1):9522.

Boretto M, Geurts MH, Gandhi S, Ma Z, Staliarova N, Celotti M, Lim S, He GW, Millen R, Driehuis E, Begthel H, Smabers L, Roodhart J, van Es J, Wu W, Clevers H. Epidermal growth factor receptor (EGFR) is a target of the tumor-suppressor E3 ligase FBXW7. *Proc Natl Acad Sci U S A.* 2024 Mar 19;121(12):e2309902121.

Segui-Perez C, Stapels DAC, [Ma Z](#), Su J, Passchier E, Westendorp B, Wubbolts RW, [Wu W](#), van Putten JPM, Strijbis K. MUC13 negatively regulates tight junction proteins and intestinal epithelial barrier integrity via Protein Kinase C. *J Cell Sci.* 2024 Feb 12:jcs.261468.

van de Wakker SI, Bauzá-Martinez J, Ríos Arceo C, Manjikian H, Snijders Blok CJB, Roefs MT, Willms E, Maas RGC, Pronker MF, de Jong OG, Wu W, Görgens A, El Andaloussi S, Sluijter JPG, Vader P. Size matters: Functional differences of small extracellular vesicle subpopulations in cardiac repair responses. *J Extracell Vesicles.* 2024 Jan;13(1):e12396.

Wienke J, Visser LL, Kholosy WM, Keller KM, Barisa M, Poon E, Munnings-Tomes S, Himsworth C, Calton E, Rodriguez A, Bernardi R, van den Ham F, van Hooff SR, Matser YAH, Tas ML, Langenberg KPS, Lijnzaad P, Borst AL, Zappa E, Bergsma FJ, Strijker JGM, Verhoeven BM, Mei S, Kramdi A, Restuadi R, Sanchez-Bernabeu A, Cornel AM, Holstege FCP, Gray JC, Tytgat GAM, Scheijde-

Vermeulen MA, Wijnen MHWA, Dierselhuis MP, Straathof K, Behjati S, Wu W, Heck AJR, Koster J, Nierkens S, Janoueix-Lerosey I, de Krijger RR, Baryawno N, Chesler L, Anderson J, Caron HN, Margaritis T, van Noesel MM, Molenaar JJ. Integrative analysis of neuroblastoma by single-cell RNA sequencing identifies the NECTIN2-TIGIT axis as a target for immunotherapy. *Cancer Cell*. 2023 Dec 27:S1535-6108(23)00436-1.

Hendriks D, Pagliaro A, Andreatta F, Ma Z, van Giessen J, Massalini S, López-Iglesias C, van Son GJF, DeMartino J, Damen JMA, Zoutendijk I, Staliarova N, Bredenoord AL, Holstege FCP, Peters PJ, Margaritis T, Chuva de Sousa Lopes S, Wu W, Clevers H, Artegiani B. Human fetal brain self-organizes into long-term expanding organoids. *Cell*. 2024 Jan 4:S0092-8674(23)01344-2.

Bannier-Hélaouët M, Korving J, Ma Z, Begthel H, Giladi A, Lamers MM, van de Wetering WJ, Yawata N, Yawata M, LaPointe VLS, Dickman MM, Kalmann R, Imhoff SM, van Es JH, López-Iglesias C, Peters PJ, Haagmans BL, Wu W, Clevers H. Human conjunctiva organoids to study ocular surface homeostasis and disease. *Cell Stem Cell*. 2024 Jan 4:S1934-5909(23)00438-1.

2023

Wu W, Krijgsveld J. Secretome analysis: Reading cellular sign language to understand intercellular communication. *Mol Cell Proteomics*. 2023 Dec 9:100692.

Miao B, Hu Z, Mezzadra R, Hoeijmakers L, Fauster A, Du S, Yang Z, Sator-Schmitt M, Engel H, Li X, Broderick C, Jin G, Gomez-Eerland R, Rozeman L, Lei X, Matsuo H, Yang C, Hofland I, Peters D, Broeks A, Laport E, Fitz A, Zhao X, Mahmoud MAA, Ma X, Sander S, Liu HK, Cui G, Gan Y, Wu W, Xiao Y, Heck AJR, Guan W, Lowe SW, Horlings HM, Wang C, Brummelkamp TR, Blank CU, Schumacher TNM, Sun C. CMTM6 shapes antitumor T cell response through modulating protein expression of CD58 and PD-L1. *Cancer Cell*. 2023 Aug 31:S1535-6108(23)00284-2.

Grey AC, Lin Q, Low TY, Wu W, Haynes PA, Chung MCM, Chen YJ, Cordwell SJ, Ishihama Y, Xu P, Hoffmann P, Kwon HJ, Poon TCW. 11th Asia Oceania Human Proteome Organization (AOHUPO) Congress Report. *Mol Cell Proteomics*. 2023 Jul 31:100627.

Roefs MT, Bauzá-Martinez J, van de Wakker SI, Qin J, Olijve WT, Tuinte R, Rozeboom M, Snijders Blok C, Mol EA, Wu W, Vader P, Sluijter JPG. Cardiac progenitor cell-derived extracellular vesicles promote angiogenesis through both associated- and co-isolated proteins. *Commun Biol*. 2023 Aug 1;6(1):800.

Zhang C, Kalaitidou E, Damen JMA, Grond R, Rabouille C, Wu W. Novel Components of the Stress Assembly Sec Body Identified by Proximity Labeling. *Cells*. 2023 Mar 30;12(7):1055.

2022

van Bergen W, Hevler JF, Wu W, Baggelaar MP, Heck AJR. SITE-SPECIFIC ACTIVITY-BASED PROTEIN PROFILING USING PHOSPHONATE HANDLES. *Mol Cell Proteomics*. 2022 Nov 23:100455.

Beumer J, Bauzá-Martinez J, Veth TS, Geurts V, Boot C, Gilliam-Vigh H, Poulsen SS, Knop FK, Wu W, Clevers H. Mapping prohormone processing by proteases in human enteroendocrine cells using genetically engineered organoid models. *Proc Natl Acad Sci U S A*. 2022 Nov 16;119(46):e2212057119.

He GW, Lin L, DeMartino J, Zheng X, Staliarova N, Dayton T, Begthel H, van de Wetering WJ, Bodewes E, van Zon J, Tans S, Lopez-Iglesias C, Peters PJ, Wu W, Kotlarz D, Klein C, Margaritis T, Holstege F, Clevers H. Optimized human intestinal organoid model reveals interleukin-22-dependency of paneth cell formation. [Cell Stem Cell](#). 2022 Sep 1;29(9):1333-1345.e6.

Bauzá-Martínez J, Armony G, Pronker MF, Wu W. Characterization of protein complexes in extracellular vesicles by intact extracellular vesicle crosslinking mass spectrometry (iEVXL). [J Extracell Vesicles](#). 2022 Jul;11(8):e12245.