Publications (total citations of 11550/17013 & H-index of 63/72 at Research ID/Google-Scholar)
Research ID: http://www.researcherid.com/rid/E-9927-2010
Google Scholar: http://scholar.google.com.sg/citations?user=sBAuF7AAAAAJ&hl=en&oi=ao

Research articles

1. Petell, J., Diamond, M., **Hong, W.**, Bujanover, Y., Amarri, S., Pittschieler, K., and Doyle, D. Isolation and Characterization of a 110,000 molecular weight glycoprotein localized to the hepatocyte bile canaliculus. ***J. Biol. Chem.*** (1987) 262, 14753-14759.

2. Hong, W. and Doyle, D. cDNA cloning for a bile canaliculus domain-specific membrane glycoprotein of rat hepatocytes. ***Proc. Natl. Acad. Sci.*** (1987) 84, 7962-7966. (Cloning of DPPIV, which is a target for inhibitor drugs to treat type II diabetes)

3. Hong, W., Le, A., and Doyle, D. Identification and characterization of a murine receptor for galactose-terminated glycoproteins. ***Hepatology*** (1988) 8, 553-558.

4. Hong, W., Le, A., and Doyle, D. Differential phosphorylation of murine class I major histocompatibility antigens. ***Bioscience Reports*** (1988) 8, 353-358.

5. Hong, W., and Doyle, D. Membrane orientation of rat gp110 as studied by in vitro translation. ***J. Biol. Chem.*** (1988) 263, 16892-16898. ((Membrane topology of DPPIV)

6. Hong, W., Petell, J.K., Swank, D., Sanford, J., Hixson, D., and Doyle, D. Expression of dipeptidyl peptidase IV in rat tissues is mainly regulated at the mRNA levels. ***Exp. Cell Res.*** (1989) 182, 256-266.

7. Hong, W., Piazza, G., Hixson, D.C., and Doyle, D. Expression of enzymatically active dipeptidyl peptidase IV in Chinese hamster ovary cells after transfection. ***Biochemistry*** (1989) 28, 8474-8479.

8. Hong, W., and Doyle, D. Cloning and analysis of cDNA clones for rat kidney α-spectrin. ***J. Biol. Chem.*** (1989) 264, 12758-12764.

9. Petell J.K., Quaroni, A., **Hong, W.**, Amarri, S., Bujanover, Y. Alteration in the regulation of plasma membrane glycoproteins of the hepatocyte during ontology. ***Exp. Cell Res.*** (1990) 187, 299-308.

10. Hong, W., and Doyle, D. Molecular dissection of the NH_2-terminal signal/anchor sequence of rat dipeptidyl peptidase IV. ***J. Cell Biol.*** (1990) 111, 323-328. (Topogenesis of DPPIV)

11. Thompson, N.L., Hixson, D.C., Callanan, H., Panzica, M., Flanagan, D., Faris, R.A., **Hong, W.**, Hartel-Schenk, S., and Doyle, D. A Fisher rat substrain deficient in dipeptidyl peptidase IV activity makes normal steady state RNA levels and an altered proteins: use as a liver cell transplantation model. ***Biochem. J.*** (1991) 273, 497-502.

12. Low, S.H., Wong, S.H., Tang, B.L., Subramaniam, V.N., and **Hong, W.** Apical cell surface expression of rat dipeptidyl peptidase IV in transfected MDCK cells. ***J. Biol. Chem.*** (1991) 266, 13391-13396.

13. Low, S.H., Wong, S.H., Tang, B.L., Tan, P., Subramaniam, V.N., and **Hong, W.** Inhibition by brefeldin A of protein secretion from the apical cell surface of MDCK cells. ***J. Biol. Chem.*** (1991) 266, 17729-17732.

14. Low, S.H., Wong, S.H., Tang, B.L., and **Hong, W.** Involvement of both vectorial and transcytotic pathways in the preferential apical cell surface localization of rat dipeptidyl peptidase IV in transfected LLC-PK1 cells. ***J. Biol. Chem.*** (1991) 266, 19710-19716.

15. Wong, S.H., Low, S.H., and **Hong, W.** The 17-residue transmembrane domain of β-galactoside α2,6-sialyltransferase is sufficient for Golgi retention. ***J. Cell Biol.*** (1992) 117, 245-258.
(Identified one of the first few signals for Golgi targeting of sugar transferases)

16. Tang, B.L., Wong, S.H., Low, S.H., and **Hong, W.** Retention of a type II surface membrane protein in the endoplasmic reticulum by the Lys-Asp-Glu-Leu sequence. ***J. Biol. Chem.*** (1992) 267, 7072-7076.

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18. Subramaniam, V.N., Rashid Md Yusoff, A., Wong, S.H., Lim, G.B., Chew, M., and **Hong, W.** Biochemical fractionation and characterization of proteins from Golgi-enriched membranes. ***J. Biol. Chem.*** (1992) 267, 12016-12021.

19. Low, S.H., Tang, B.L., Wong, S.H., and **Hong, W.** Selective inhibition of protein targeting to the apical domain of MDCK cells by brefeldin A. ***J. Cell Biol.*** (1992)118, 51-62.
(Defined a novel role of brefeldin A in regulating polarized membrane trafficking)

20. Tang, B.L., Wong, S.H., Qi, X.L., Subramaniam, V.N.,and **Hong, W.** Golgi localized β-galactoside α2,6-sialyltransferase in transfected CHO cells is redistributed into the endoplasmic reticulum by BFA.
Eur. J. Cell Biol. (1992) 59, 228-231.

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(Revealed the molecular and functional conservation of a recycling pathway to retrieve luminal ER proteins)

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(Identified one of the first few cytoplasmic Tyr-based targeting motifs in post-Golgi sorting)

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26. Singh, P., Wong, S.H., and **Hong, W.** Overexpression of E2F-1 in rat embryo fibroblasts leads to neoplastic transformation. ***The EMBO J.*** (1994) 13, 3329-3338.
(Showed that E2F1 is sufficient for oncogenesis)

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(Revealed the compartments of the recycling pathway to retrieve luminal ER proteins)

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(Identified a novel Golgi membrane protein that turned out to be a novel Golgi SNARE)

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(Identified hBrm as a novel interacting protein for retinoblastoma protein)

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(Revealed for the first time that Arl1 GTPase is present in the Golgi apparatus)

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(Identified one of the first few SNAREs of the Golgi apparatus)

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(Showed that vesicle budding from the ER occurs in specific sites)

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41. Xu, Y., Wong, S.H., Zhang Tao, Subramaniam, V.N., and **Hong, W.** GS15, a 15-kilodalton Golgi SNARE homologous to rbet1. ***J. Biol. Chem.*** (1997) 272, 20162-20166.
(Identified one of a novel SNARE of the Golgi apparatus)

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(Identified one of the first few SNAREs of the Golgi apparatus)

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(Established a role of a novel SNARE complex in endosome-Golgi traffic)

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(Defined the mechanism for Arl1 GTPase to regulate the Golgi apparatus)

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