PUBLICATIONS (total citations about 8,100 & H-index of 52)

Selected Publications

Gunaratne J, Dunne MJ, Hong W, Chan SW.
Deubiquitinating Enzyme USP9X Suppresses Tumor Growth via LATS Kinase and Core
Components of the Hippo Pathway. 
Cancer Res. (2017) 77, 4921-4933.

Liu, C.Y., Pobbati, A.V., Huang, Z., Cui, L., and Hong, W.
Transglutaminase 2 is a direct target gene of YAP/TAZ-Letter. 
Cancer Res. (2017) 77, 4734-4735.

Chakraborty, S., Njah, K., Pobbati, A.V., Lim, Y.B., Raju, A., Lakshmanan, M., Lim, C.T., and Hong W.
Agrin as a mechanotransduction signal regulating YAP through the Hippo Pathway. 
Cell Reports (2017) 18, 2464-2479. 
(Discovered the first link of Agrin to mechanotransduction; highlighted in Trends in Cancer)

An oncogenic role of Agrin in regulating focal adhesion integrity in Hepatocellular carcinoma. 
(Defined the role and mechanism of Agrin in Hepatocellular carcinoma and suggested it as a
potential diagnostic and therapeutic target)

Loo, L.S., Tang, N., Al-Haddawi, M., Dawe, G.S., and Hong, W. A role of sorting nexin 27 in
AMPA receptor trafficking. 
( Revealed a role of SNX27 in postsynaptic recycling of neurotransmitter receptors)

Chan, S.W., Lim, C.J., Guo, F., Tan, I., Leung, T., and Hong W.
Actin-binding and Cell Proliferation Activities of Angiomotin Family Members Are Regulated
by Hippo Pathway-mediated Phosphorylation.
(Highlighted by F1000Prime as being of special significance in its field)
Selected peer-reviewed original research articles (from 1992)

Loss of sorting nexin 27 contributes to excitatory synaptic dysfunction by modulating glutamate receptor recycling in Down's syndrome.

Dual Role of VAMP8 in Regulating Insulin Exocytosis and Islet β Cell Growth.
*Cell Metabolism* (2012) 16, 238-249. (highlighted by A-IMBN research)

3. Pobbati, A.V., Chan, S.W., Lee, I., Song, H., Hong, W.
Structural and functional similarity between the Vgll1-TEAD and the YAP-TEAD complexes.
*Structure* (2012) 20, 1135-1140. (revealed structural similarity of Vgll1-TEAD and YAP-TEAD complexes)
(highlighted by A*STAR research)

4. Chan, S.W., Lim, C.J., Chong, Y.F., Venkatesan Pobbati, A., Huang, C.X., and Hong, W.
Hippo pathway-independent regulation of TAZ and YAP by Angiomotin family.

5. Cai, L., Loo, L.S., and Hong, W.
Deficiency of Sorting Nexin 27 (SNX27) Leads to Growth Retardation and Elevated Levels of N-methyl-D-aspartate (NMDA) Receptor 2C (NR2C).
*Mol. Cell. Biol.* (2011) 31, 1734-1747. (Defined that SNX27 is a general endosomal sorting protein for surface proteins with PDZ-binding motifs) (highlighted by A*STAR research)

WW domain-mediated interaction with Wbp2 is important for the oncogenic property of TAZ.
*Oncogene* (2011) 30, 600-610. (Showed that Wbp2 is a regulator of the Hippo pathway by acting as a positive factor for TAZ and YAP) (Highlighted by A*STAR research)

7. Yan Shan Ong, Y.S., Tang, B.L., Loo, L.S., and Hong, W.
p125A exists as part of the mammalian Sec13-Sec31 COPII subcomplex to facilitate ER-Golgi transport.

J. Cell Biol. (2010) 190, 331-345. (Showed that p125 co-exists with Sec13-Sec31 as a complex to regulate COPII export from the ER) (Highlighted by A*STAR research)

Genes & Dev. (2010) 24, 290-300. (Solved the x-ray structure of YAP-TEAD4 protein complex of the Hippo pathway) (Highlighted by A*STAR research)


10. Liu, N. S., Loo, L.S., Loh, E., Seet, L.F. and Hong, W. Participation of Tom1L1 in EGF-stimulated endocytosis of EGF receptor.
The EMBO J. (2009) 28, 3485-3499. (Showed that Tom1L1 is likely a regulated adaptor for EGF-stimulated endocytosis of EGF receptor) (Highlighted by A*STAR research)

11. Chan, S.W., Lim, C.J., Loo, L.S., Chong, Y.F., Huang, C., and Hong, W. TEADs mediate nuclear retention of TAZ to promote oncogenic transformation.
J. Biol. Chem. (2009) 284, 14347-14358. (Revealed that interaction with TEAD1-4 is important for TAZ to transform cells)

12. Chan, S.W., Lim, C.J., Guo, K., Ng, C.P., Lee, I., Hunziker, W., Zeng, Q., and Hong, W. A role for TAZ in migration, invasion and tumorigenesis of breast cancer cells.
Cancer Res. (2008) 68, 2592-2598. (Revealed that TAZ is likely a new oncogene for invasive breast cancer)

13. Tran, T.T.H, Zeng, Q., and Hong, W. VAMP4 cycles from the surface to the trans-Golgi network via the sorting and recycling endosome.

Mol. Biol. Cell (2007) 18, 1056-1063. (Showed that VAMP8 is a major SNARE responsible for regulated exocytosis of the exocrine system)


21. Loh, E., and Hong, W. Sec34 is involved in ER-Golgi transport in mammalian cells and exists in a complex(s) containing GTC-90 and IdIB. J. Biol. Chem. (2002) 277, 21955-321961. (Identified a novel protein complex called COG in regulating the Golgi apparatus)


24. Zhang, T., Wong, S.H., Tang, B.L., Xu, Y., Peter, F., and Hong, W. The mammalian protein (rbet1) homologous to yeast Bet1p is primarily associated with the pre-Golgi intermediate compartment and is involved in vesicular transport from the endoplasmic reticulum to the Golgi apparatus. *J. Cell Biol.* (1997) 139, 1157-1168. (Defined the function and mechanism of a novel mammalian SNARE)


27. Tang, B.L., Peter, F., Krijnse-Locker, J., Low, S.H., Griffiths, G., and Hong, W. The mammalian homolog of yeast Sec13p is enriched in the intermediate compartment and is essential for protein transport from the endoplasmic reticulum to the Golgi apparatus. *Mol. Cell Biol.* (1997) 17, 256-266. (Showed that vesicle budding from the ER occurs in specific sites)

29. Lowe, S.L., Wong, S.H. and Hong, W.
The mammalian ARF-like protein 1 (Arl1) is associated with the Golgi complex. 
J Cell Sci. (1996) 109, 209-220. (Revealed for the first time that Arl1 GTPase is present in 
the Golgi apparatus)

30. Singh, P., Coe, J. and Hong, W.
A role for retinoblastoma protein in potentiating transcriptional activation by the 
glucocorticoid receptor. 

31. Subramaniam, V.N., Krijnse-Locker, J., Tang, B.L., Ericsson, M., Yosoff, A.R.bin M., 
Griffiths, G., and Hong, W. Monoclonal antibody HFD9 identifies a novel 28 kDa integral membrane protein on the cis-Golgi. 

Localization of the KDEL receptor to the Golgi complex and the intermediate compartment in mammalian cells. 
J. Cell Biol. (1994) 127, 1557-1574. (Revealed the compartments of the recycling pathway to retrieve luminal ER proteins)

33. 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)

34. Tang, B.L., Wong, S.H., Qi, X.L., Low, S.H. and Hong, W.
Molecular cloning, characterization, subcellular localization and dynamics of p23, the mammalian KDEL receptor. 

35. 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. 
36. 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)

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