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Education

2008.03-2012.08	Ph.D.	Department of Life Sciences, Pohang University of Science and Technology (POSTECH)
2005.03-2007.02	MS	Department of Life Sciences, Gwangju Institute of Science and Technology (GIST)
1998.03-2005.02	BS	Department of Genetic Engineering, Kyungpook National University

Professional Experience

2016.08-present	Senior researcher	Korea Brain Research Institute
2014.12-2016.06	Senior researcher	MOGAM Institute
2012.07-2014.11	Senior researcher	NOVACELL technology, Inc.

Academic Society

yyyy.mm-yyyy.mm	position	society
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Publications

1. Jung, H-Y., Lee, D., Ryu, H.G.,...Yoon, J.H.,... Chen, Z., Kim, K-T. (2017) "Myricetin improves endurance capacity and mitochondrial function by Activating SIRT1 and PGC-1 α " Scientific Reports Jul 24;7(1):6237.
2. Song, P., Kwon, Y., Yea, K., Moon, H.Y., Yoon, J.H., Ghim, J., Hyun, H., Kim, D., Koh, A., Berggren, P.O., Suh, P.G., Ryu, S.H. (2015) "Apolipoprotein a1 increases mitochondrial biogenesis through AMP-activated protein kinase" Cell Signal. Sep;27(9):1873-81.
3. Yoon, J.H., Kim, D., Jang, J.H., Ghim, J., Park, S., Song, P., Kwon, Y., Kim, J., Hwang, D., Bae, Y.S., Suh, P.G., Berggren, P.O., and Ryu, S.H. (2015) "Proteomic analysis of the palmitate-induced myotube secretome reveals involvement of the annexin A1-FPR2 pathway in insulin resistance." Mol Cell Proteomics. Apr;14(4):882-92.
4. Kwon, Y., Song, P., Yoon, J.H., Ghim, J., Kim, D., Kang, B., Choi, J.K., Lee, H.K., Kim, J.A., and Ryu, S.H. (2014) "Xanthene derivatives increase glucose utilization through activation of LKB1-dependent AMP-activated protein kinase." Plos One Sep 24;9(9):e108771.
5. Do, E.K., Cheon, H.C., Jang, I.H., Choi, E.J., Kang, K.T., Bae, K.H., Cho, Y.S., Yoon, J.H., Lee, T.G., and Kim, J.H. (2014) "Reptin Regulates Pluripotency of Embryonic Stem Cells and Somatic Cell Reprogramming through Oct4-dependent Mechanism" Stem Cells Dec;32(12):3126-36.
6. Ghim, J., Moon, J.S., Lee, C.S., Lee, J., Lee, A., Song, P., Jang, J.H., Yoon, J.H., Chelakkot, C., Kim, J.M., Kim, K.L., et al. (2014) "Endothelial deletion of Phospholipase D2 reduces hypoxic response and pathological angiogenesis." Arterioscler Thromb Vasc Biol. Aug;34(8):1697-1703.

7. Kim, D.* , Kim, J.* , Yoon, J.H., Ghim J., Yea, K., Lee, A., Park, S., Song, P., Hong, C., Kwon, Y., Park, S., Jang, M.H., Berggren, P.O., Suh, P.G., and Ryu, S.H. (2014) "CXCL12 secreted from adipocytes induces macrophage recruitment into adipose tissue in obese mice." *Diabetologia* Jul;57(7):1456-1465.
8. Yoon, J.H.* , Kim, J.* , Kim, K.L., Kim, D., Jung S-J, Ghim, J., Kim, D., Park, J.B., Ryu, S.H., Lee, T.G. (2014) "Proteomic analysis of hypoxia-induced U373 MG glioma secretome reveals novel hypoxia-dependent migration factors." *Proteomics* Jun;14(12):1494-1502.
9. Oh, C., Yoon, J.H., Park, S., and Yoo Y.J. (2013) "Simultaneous quantification of total and conjugated ubiquitin levels in a single immunoblot." *Anal Biochem.* 443, 153-155.
10. Kim, H.S., Kim, S.H., Park, H.Y., Lee, J., Lee, S.H., Yoon, J.H., Choi, S., Ryu, S.H., Lee, H., Cho, H.S., and Lee, C.W. (2013) "Functional interplay between aurora B kinase and Ssu72 phosphatase in regulating sister chromatid cohesion." *Nat Commun.* 4, 2631.
11. Song, P., Kim, J.H., Ghim, J., Yoon, J.H., Lee, A., Kwon, Y., Hyun, H., Moon, H.Y., Choi, H.S., Berggren, P.O., et al. (2013) "Emodin regulates glucose utilization by activating AMP-activated protein kinase." *J Biol Chem.* 288, 5732-5742.
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13. Yoon, J.H., Kim, J., Song, P., Lee, T.G., Suh, P.G., and Ryu, S.H. (2012) "Secretomics for skeletal muscle cells: A discovery of novel regulators?" *Adv Biol Regul.* May;52(2):340-50. (Review article)
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15. Choi, S., Kim, J., Cho, K., Park, G., Yoon, J.H., Park, S., Yoo, J.S., Ryu, S.H., and Kim, Y.H. (2010) "Sequential Fe₃O₄/TiO₂ enrichment for phosphopeptide analysis by liquid chromatography/tandem mass spectrometry." *Rapid Commun Mass Spectrom.* 24, 1467-1474.
16. Jun, D.J., Na, K.Y., Kim, W., Kwak, D., Kwon, E.J., Yoon, J.H., Yea, K., Lee, H., Kim, J., Suh, P.G., et al. (2010) "Melanocortins induce interleukin 6 gene expression and secretion through melanocortin receptors 2 and 5 in 3T3-L1 adipocytes." *J Mol Endocrinol.* 44, 225-236.
17. Kim, J., Choi, Y.S., Lim, S., Yea, K., Yoon, J.H., Jun, D.J., Ha, S.H., Kim, J.W., Kim, J.H., Suh, P.G., et al. (2010) "Comparative analysis of the secretory proteome of human adipose stromal vascular fraction cells during adipogenesis." *Proteomics* 10, 394-405.
18. Yea, K., Kim, J., Yoon, J.H., Kwon, T., Kim, J.H., Lee, B.D., Lee, H.J., Lee, S.J., Kim, J.I., Lee, T.G., et al. (2009) "Lysophosphatidylcholine activates adipocyte glucose uptake and lowers blood glucose levels in murine models of diabetes." *J Biol Chem.* 284, 33833-33840.
19. Yoon, J.H., Yea, K., Kim, J., Choi, Y.S., Park, S., Lee, H., Lee, C.S., Suh, P.G., and Ryu, S.H. (2009) "Comparative proteomic analysis of the insulin-induced L6 myotube secretome." *Proteomics* 9, 51-60.
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