



Joe Eun Son

Kyungpook National University, Korea

Education

Period	Affiliation	Position
– 2008-2013	Seoul National University, Korea	Ph.D.
– 2004-2008	Seoul National University, Korea	B.Sc.

Affiliations / Experience

Period	Affiliation	Position
– 2014-2023	The Hospital for Sick Children, University of Toronto, Canada	Postdoctoral Research Associate
– 2013-2014	Seoul National University, Korea	Postdoctoral Researcher
– 2011-2013	Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital, Toronto, Canada	Visiting Scholar

Committee Memberships

- Korean Diabetes Association
- Korea Society for Molecular and Cellular Biology
- Korean Society of Food Science and Technology
- Korean Society of Toxicogenomics and Toxicoproteomics
- Korea Society of Food Science and Nutrition

Publications

- Son JE *, Dou Z, Kim KH, Wanggou S, Cha VSB, Mo R, Zhang X, Ketela T, Chen X, Li X, Huang X, Hui CC. *Irx3 and Irx5 in Ins2-Cre+ cells regulate hypothalamic postnatal neurogenesis and leptin response. Nature Metabolism, 3(5):701-713*
- Son JE*, Dou Z, Wanggou S, Chan J, Mo R, Li X, Huang X, Kim KH, Michaud J, Hui CC*. Ectopic expression of *Irx3* and *Irx5* in the paraventricular nucleus of the hypothalamus contributes to defects in *Sim1* haploinsufficiency. *Science Advances, 7(44):eabh4503 (*, co-correspondence)*
- Son JE, Dou Z, Kim KH, Hui CC. Deficiency of *Irx5* protects mice from diet-induced obesity and associated metabolic abnormalities. *International Journal of Obesity, 46(11):2029-2039*
- Dou Z, Son JE*, Hui CC*. *Irx3* and *Irx5* - novel regulatory factors of postnatal hypothalamic neurogenesis. *Frontiers in Neuroscience, 15:763856. (*, co-correspondence)*
- Son JE, Jo J.-Y, Kim S, Park MJ, Lee Y, Park SS, Park SY, Jung SM, Jung SK, Kim JY and Byun S. Rice Bran Extract Suppresses High-Fat Diet-Induced Hyperlipidemia and Hepatosteatosis through Targeting AMPK and STAT3 Signaling. *Nutrients, 15(16), 3630*