

• **Name:** Kim, Min Seon, MD., PhD

• **Current Position:**

Professor, Division of Endocrinology and Metabolism, University of Ulsan College of Medicine

• **Country:** Korea

• **Educational Background:**

1984 - 1990: Seoul National University College of Medicine, MD

1993 - 1995: Graduate School, Seoul National University, MS

1995 - 2000: Graduate School, Seoul National University, PhD

• **Professional Experiences:**

1990–1991: Intern, Seoul National University Hospital

1991–1995: Resident, Department of Internal Medicine, Seoul National University Hospital

1996–2000: Research fellow, Endocrine Unit Hammersmith Hospital
Imperial College School of Medicine

2000–2001: Fellow in Division of Endocrinology and Metabolism
Seoul National University Hospital

2002–2008: Assistant professor, Division of Endocrinology and Metabolism,
University of Ulsan College of Medicine

2008–2014: Associate professor, Division of Endocrinology and Metabolism,
University of Ulsan College of Medicine

2014– present: Professor, Division of Endocrinology and Metabolism
University of Ulsan College of Medicine

2014–present: Director, Asan Diabetes Center

2016–present: Director, Department of Biomedical Science

2017–present, Director, Division of Endocrinology and Metabolism

• **Main Scientific Publications:**

1. **Kim MS**, Rossi M, Abusnana S, Sunter D, Morgan DGA, Small CJ, Edwards CMB, Heath MM, Stanley SA, Seal LJ, Bhatti JR, Ghatei MA and Bloom SR : Hypothalamic localization of the feeding effect of agouti-related peptide and α -melanocyte-stimulating hormone. *Diabetes* 49(2):177-182, 2000

2. **Kim MS**, Small CJ, Stanley SA, Morgan DGA, Seal LJ, Kong WM, Edwards CMB, Abusnana S, Sunter D, Ghatei MA, Bloom SR: The central melanocortin system affects the hypothalamo-pituitary thyroid axis and may mediate the effect of leptin. *J Clin Invest* 105(7): 1005-1011, 2000

3. **Kim MS**, Small CJ, Russell SH, Morgan DGA, Abbott CRA, AlAhmed SH, Hay DL, Ghatei MA, Smith DM and Bloom SR. Effects of melanocortin receptor ligands on thyrotropin releasing hormone release: Evidence for the differential roles of melanocortin 3 and 4 receptors. *J of Neuroendocrinology* 14(4):276-82, 2002

4. **Kim MS**, Park JY, Namkoong C, Jang PG, Ryu JW, Song HS, Yun JY, Namgoong IS, Ha JH, Park IS, Lee IK, Viollet B, Youn JH, Lee HK, Lee KU. Anti-obesity effects of alpha-lipoic acid mediated by suppression of hypothalamic AMP-activated protein kinase. *Nature Med.* 2004 Jul;10(7):727-33.

5. **Kim MS**, Yoon CY, Jang PG, Park YJ, Shin CS, Park HS, Ryu JW, Pak YK, Park JY, Lee KU, Kim SY, Lee HK, Kim YB, Park KS. The mitogenic and anti-apoptotic actions of ghrelin in 3T3-L1 adipocytes. *Mol Endocrinol.* 2004 Sep;18(9):2291-301.

6. **Kim MS**, Namkoong C, Kim HS, Jang PG, Pak YK, Katakami H, Park JY, Lee KU. Chronic central administration of ghrelin reverses the effects of leptin. *Int J Obes Relat Metab Disord*. 2004 Oct;28(10):1264-71.
7. Namkoong C, **Kim MS (corresponding author)**, Jang PG, Han SM, Park HS, Koh EH, Lee WJ, Kim JY, Park IS, Park JY, Lee KU. Enhanced Hypothalamic AMP-Activated Protein Kinase Activity Contributes to Hyperphagia in Diabetic Rats. *Diabetes*. 2005 Jan;54(1):63-8.
8. Han SM, Namkoong C, Jang PG, Park IS, Hong SW, Katakami H, Chun S, Kim SW, Park JY, Lee KU, **Kim MS**. Hypothalamic AMP-activated protein kinase mediates counter-regulatory responses to hypoglycaemia in rats. *Diabetologia*. 2005 Oct;48(10):2170-8.
9. **Kim MS**, Pak YK, Jang PG, Namkoong C, Choi YS, Won JC, Kim KS, Kim SW, Kim HS, Park JY, Kim YB, Lee KU. Role of hypothalamic FOXO1 in the regulation of food intake and body weight. *Nature Neuroscience* 2006 Jul;9(7):901-6.
10. Won JC, Jang PG, Namkoong C, Koh EH, Kim SK, Park JY, Lee KU, **Kim MS**. Central Administration of an Endoplasmic Reticulum Stress Inducer Inhibits the Anorexigenic Effects of Leptin and Insulin. *Obesity (Silver Spring)*. 2009 Jun 18. 17(10):1861-5
11. Jeong E, Youn BS, Kim DW, Kim EH, Park JW, Namkoong C, Jeong JY, Yoon SY, Park JY, Lee KU, **Kim MS**. Circadian rhythm of serum vaspin in healthy male volunteers: relation to meals. *J Clin Endocrinol Metab*. 2010 Apr;95(4):1869-75.
12. Jang PG, Namkoong C, Kang GM, Hur MW, Kim SW, Kim GH, Kang Y, Jeon MJ, Kim EH, Lee MS, Karin M, Baik JH, Park JY, Lee KU, Kim YB, **Kim MS**. NF- κ B activation in hypothalamic POMC neurons is essential in illness- and leptin-induced anorexia. *J Biol Chem*. 2010 Mar 26;285(13):9706-15.
13. Gil SY, Youn BS, Byun K, Huang H, Namkoong C, Jang PG, Lee JY, Jo YH, Kang GM, Kim HK, Shin MS, Pietrzik CU, Lee B, Kim YB, **Kim MS**. Clusterin and LRP2 are critical components of hypothalamic feeding regulatory pathway. *Nat Commun*. 2013 May;4:1862. doi: 10.1038/ncomms2896
14. Shin MS, Chang H, Namkoong C, Kang GM, Kim HK, Gil SY, Yu JH, Park KH, **Kim MS**. Hypothalamic and pituitary clusterin modulates neurohormonal responses to stress. *Neuroendocrinology*. 2013;98(3):233-41.
15. Han YM, Kang GM, Byun K, Ko HW, Kim J, Shin MS, Kim HK, Gil SY, Yu JH, Lee B, **Kim MS**. Leptin-promoted cilia assembly is critical for normal energy balance. *J Clin Invest*. 2014 May 1;124(5):2193-7.
16. Byun K, Gil SY, Namkoong C, Byung-Soo Youn BS, Huang H, Shin MS, Kang GM, Kim HK, Lee B, Kim YB, **Kim MS**. Clusterin/ApoJ enhances central leptin signaling through Lrp2-mediated endocytosis. *EMBO Reports*. 2014 Jul;15(7):801-8.
17. Kim HK, Shin MS, Youn BS, Kang GM, Gil SY, Lee CH, Choi JH, Lim HS, Yoo HJ, **Kim MS**. Regulation of energy balance by the hypothalamic lipoprotein lipase regulator Angptl3. *Diabetes*. 2015 Apr;64(4):1142-53.
18. Kang GM, Han YM, Ko HW, Kim J, Oh BC, Kwon I, **Kim MS**. Leptin elongates hypothalamic neuronal cilia via transcriptional regulation and actin destabilization. *J Biol Chem*. 2015 Jul 17;290(29):18146-55.
19. Kwon O, Kim KW, **Kim MS**. Leptin signaling pathways in hypothalamic neurons. *Cell Mol Life Sci*. 2016 Apr;73(7):1457-77.