



## **Sung-Hee Ihm, MD, PhD**

### **Current Position/Address:**

Professor, Division of Endocrinology & Metabolism, Department of Internal Medicine,  
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### **PROFESSIONAL EDUCATION:**

1984, Feb. MD, Seoul National University College of Medicine, Seoul, Korea  
1988, Feb. MS, Seoul National University College of Medicine, Seoul, Korea  
1990, Dec. PhD, University of Calgary School of Medicine, Department of Microbiology  
Calgary, AB, Canada

### **Postgraduate Training:**

Mar. 1984 - Feb. 1985 Internship, Seoul National University Hospital, Seoul, Korea  
Mar. 1985 - Feb. 1988 Residency, Dept of Internal Medicine, Seoul National University Hospital  
Mar. 1988 - Aug. 1988 Fellowship, Division of Endocrinology & Metabolism  
Seoul National University Hospital, Seoul, Korea  
Sep. 1988 - Dec. 1990 Research Fellowship, Julia-McFarlane Diabetes Research Centre  
University of Calgary School of Medicine, Calgary, AB, Canada  
May 2002 - Feb. 2004 PostDoc. Associate, Diabetes Institute for Immunology & Transplantation  
Department of Surgery, University of Minnesota, Minneapolis, MN, USA

### **Positions Held & Faculty Appointment:**

Mar. 1991 – Present Faculty (Instructor, Assistant Professor, Associate Professor, currently Professor)  
Department of Internal Medicine, Hallym University College of Medicine  
Chuncheon, Korea  
Jan. 2001 – Present Trustee of Korean Diabetes Association

### **Research Interests:**

Pancreatic islet cytoprotection, Effect of RAGE ligands on islets, Effect of aging on islets

**Selected Works:**

- 1: Lee S, Kim HA, Park JH, Lee SH, Lee BW, Ihm SH, Kim TI, Kim SW, Ko KS: Enhanced protection of Ins-1 cells from apoptosis under hypoxia by delivery of DNA encoding secretion signal peptide-linked exendin-4. *J Drug Target*. (in press)
- 2: Lee BW, Chae HY, Tuyen TTN, Kang D, Kim HA, Lee M, Ihm SH: A comparison of non-viral vectors for gene delivery to pancreatic  $\beta$ -cells: Delivering a hypoxia-inducible vascular endothelial growth factor gene to rat islets. *Int J Mol Med*. (in press)
- 3: Ihm SH, Matsumoto I, Zhang HJ, Ansite JD, Hering BJ: Effect of short-term culture on functional and stress-related parameters in isolated human islets. *Transpl Int*. 2009;22(2):207-16.
- 4: Lee BW, Kwon SJ, Chae HY, Kang JG, Kim CS, Lee SJ, Yoo HJ, Kim JH, Park KS, Ihm SH: Dose-related cytoprotective effect of  $\alpha$ -lipoic acid on hydrogen peroxide-induced oxidative stress to pancreatic beta cells. *Free Rad Res*. 2009;43(1):68-77.
- 5: Kim HA, Lee BW, Kang D, Kim JH, Ihm SH, Lee M: Delivery of hypoxia-inducible VEGF gene to rat islets using polyethylenimine. *J Drug Target*. 2009;17(1):1-9.
- 6: Bellin MD, Kandaswamy R, Parkey J, Zhang HJ, Liu B, Ihm SH, Ansite JD, Witson J, Bansal-Pakala P, Balamurugan AN, Papas K, Sutherland DE, Moran A, Hering BJ: Prolonged insulin independence after islet allotransplants in recipients with type 1 diabetes. *Am J Transplant*. 2008;8(11):2463-70.
- 7: Lee BW, Ihm J, Kang JG, Choi MG, Yoo HJ, Ihm SH: Amadori-glycated albumin-induced vascular smooth muscle cell proliferation and expression of inhibitor of apoptosis protein-1 and nerve growth factor-gamma. *Biofactors*. 2007;31(3-4):145-53.
- 8: Ihm SH, Moon HJ, Kang JG, Park CY, Oh KW, Jeong IK, Oh YS, Park SW: Effect of aging on insulin secretory function and expression of beta cell function-related genes of islets. *Diabetes Res Clin Pract*. 2007;77 S1:S150-4.
- 9: Kim JH, Kim HI, Lee KW, Yu JE, Kim SH, Park HS, Park CG, Ihm SH, Ha J, Kim SJ, Lee HK, Ahn C, Park KS: Influence of strain and age differences on the yields of porcine islet isolation: extremely high islet yields from SPF CMS miniature pigs. *Xenotransplantation*. 2007;14(1):60-6.
- 10: Ihm SH, Matsumoto I, Sawada T, Nakano M, Zhang HJ, Ansite JD, Sutherland DE, Hering BJ: Effect of donor age on function of isolated human islets. *Diabetes*. 2006;55(5):1361-8.
- 11: Hering BJ, Kandaswamy R, Ansite JD, Eckman PM, Nakano M, Sawada T, Matsumoto I, Ihm SH, Zhang HJ, Parkey J, Hunter DW, Sutherland DE: Single-donor, marginal-dose islet transplantation in patients with type 1 diabetes. *JAMA*. 2005;293(7):830-5.