Stanford

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Bio

BIO

Dr. Jung received her B.S. in Medical Science from University Sydney in Australia and completed her Ph.D. in Human Biology at University of Tsukuba in Japan. Following her Ph.D., she has joined Dr. Katrin J Svensson's lab in Stanford for her postdoctoral training, in the field of molecular endocrinology and metabolism. Her research focus is especially in understanding of fatty liver disease.

HONORS AND AWARDS

- Graduation Award, Tsukuba University (2018)
- Special Fellow at University of Tsukuba, Ministry of Education, Culture, Sports, Science and Technology (MEXT) in Japan (2013 – 2018)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Tsukuba University (2018)

Publications

PUBLICATIONS

- **High-phytate/low-calcium diet is a risk factor for crystal nephropathies, renal phosphate wasting, and bone loss.** *eLife*
  Kim, O. H., Booth, C. J., Choi, H. S., Lee, J., Kang, J., Hur, J., Jung, W. J., Jung, Y. S., Choi, H. J., Kim, H., Auh, J. H., Kim, J. W., Cha, et al
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- **Regulation of Energy Metabolism by Receptor Tyrosine Kinase Ligands.** *Frontiers in physiology*
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- **The conserved metalloprotease invadolysin is present in invertebrate haemolymph and vertebrate blood** *BIOLOGY OPEN*
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- **MafB Is Critical for Glucagon Production and Secretion in Mouse Pancreatic alpha Cells In Vivo** *MOLECULAR AND CELLULAR BIOLOGY*
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- **Isl1 beta Overexpression With Key beta Cell Transcription Factors Enhances Glucose-Responsive Hepatic Insulin Production and Secretion** *ENDOCRINOLOGY*
  Jung, Y., Zhou, R., Kato, T., Usui, J. K., Muratani, M., Oishi, H., Heck, M. S., Takahashi, S.
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- **A context-specific circadian clock in adipocyte precursor cells modulates adipogenesis.** *Adipocyte*
  Jung, Y., Feldman, B. J.

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- **Co-chaperone BAG2 Determines the Pro-oncogenic Role of Cathepsin B in Triple-Negative Breast Cancer Cells** *CELL REPORTS*
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- **beta-Cell-Specific Mafk Overexpression Impairs Pancreatic Endocrine Cell Development** *PLOS ONE*
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- **Generation of Insulin-Producing Cells from the Mouse Liver Using beta Cell-Related Gene Transfer Including Mafa and Mafb** *PLOS ONE*
  Nagasaki, H., Katsumata, T., Oishi, H., Tai, P., Sekiguchi, Y., Koshida, R., Jung, Y., Kudo, T., Takahashi, S.
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- **Loss of TBK1 Induces Epithelial-Mesenchymal Transition in the Breast Cancer Cells by ER alpha Downregulation** *CANCER RESEARCH*
  Yang, K., Jung, Y., Lee, J., Kim, W., Cho, J., Jeong, J., Kim, S.
  2013; 73 (22): 6679–89

- **DRAK2 Participates in a Negative Feedback Loop to Control TGF-beta/Smads Signaling by Binding to Type I TGF-beta Receptor** *CELL REPORTS*
  Yang, K., Kim, W., Bae, E., Gim, J., Weist, B. M., Jung, Y., Hyun, J., Hernandez, J. B., Leem, S., Park, T., Jeong, J., Walsh, C. M., Kim, et al
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- **In vivo activation of ROCK1 by insulin is impaired in skeletal muscle of humans with type 2 diabetes** *AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM*
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- **beta-Propeller Phytase Hydrolyzes Insoluble Ca2+-Phytate Salts and Completely Abrogates the Ability of Phytate To Chelate Metal Ions** *BIOCHEMISTRY*
  Kim, O., Kim, Y., Shim, J., Jung, Y., Jung, W., Choi, W., Lee, H., Lee, S., Kim, K., Auh, J., Kim, H., Kim, J., Oh, et al
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