

Stanford



Hyun-Jung Kim

Postdoctoral Research Fellow, Cardiovascular Medicine

Bio

HONORS AND AWARDS

- Medical Faculty Association's Best Research Award, Third Place Winner, University of Miami (2019)
- Stanford CVI Travel Award, Stanford Cardiovascular Institute (10/2019)
- Wood-Whelan Research Fellowships, International Union of Biochemistry and Molecular Biology (IUBMB) (02/2017)
- Predoctoral Fellowships, American Heart Association (AHA) (01/2016-12/2017)
- Fellowships, Sangmyung University (03/1997-08/1997)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Miami (2018)
- Master of Arts, University of Kentucky (2011)
- Master of Arts, SangMyung University (2002)
- Bachelor of Arts, SangMyung University (2000)

STANFORD ADVISORS

- Thomas Quertermous, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Mitochondrial MTG1 is necessary for proper human cardiomyocyte activity and zebrafish cardiac development. Comment to "Novel role of mitochondrial GTPases 1 in pathological cardiac hypertrophy"** *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*
Kim, H., Barrientos, A.
2019; 129: 1
- **Human GTPBP10 is required for mitoribosome maturation** *NUCLEIC ACIDS RESEARCH*
Maiti, P., Kim, H., Tu, Y., Barrientos, A.
2018; 46 (21): 11423–37
- **MTG1 couples mitoribosome large subunit assembly with intersubunit bridge formation** *NUCLEIC ACIDS RESEARCH*
Kim, H., Barrientos, A.
2018; 46 (16): 8435–53
- **Mitochondrial ribosomes in cancer** *SEMINARS IN CANCER BIOLOGY*
Kim, H., Maiti, P., Barrientos, A.
2017; 47: 67–81

- **Methamphetamine-induced Occludin Endocytosis Is Mediated by the Arp2/3 Complex-regulated Actin Rearrangement** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Park, M., Kim, H., Lim, B., Wylegala, A., Toborek, M.
2013; 288 (46): 33324–34

- **Cancer Prevention with Promising Natural Products: Mechanisms of Action and Molecular Targets** *ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY*
Pratheeshkumar, P., Sreekala, C., Zhang, Z., Budhraj, A., Ding, S., Son, Y., Wang, X., Hitron, A., Hyun-Jung, K., Wang, L., Lee, J., Shi, X.
2012; 12 (10): 1159–84

- **Nucleotide divergence analysis of IGS region in *Fusarium oxysporum* and its formae speciales based on the sequence** *Mycobiology*
Kim, H., Min, B.
2004; 32 (3): 119-122

- **Variation of the Intergenic Spacer (IGS) Region of Ribosomal DNA among *Fusarium oxysporum* formae species** *The Journal of Microbiology*
Kim, H., Choi, Y., Min, B.
2001; 39 (4): 265-272