

- **Name:** Mi-Young Kim
- **Current Position & Affiliation:** Associate Professor (tenured)  
KAIST (Korea Advanced Institute for Science and Technology)
- **Country:** Korea

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• **Educational Background:**

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Yonsei University (Seoul, South Korea)	B.S.	1994-1999	Biochemistry
Cornell University (Ithaca, NY, USA)	Ph.D.	1999-2004	Biochemistry, Molecular and Cellular Biology
Amgen, Inc. (South San Francisco, CA, USA)	Postdoctoral Associate	2005-2006	Cancer Biology
Memorial Sloan-Kettering Cancer Center (New York, NY, USA)	Research Fellow	2007-2010	Cancer Biology and Genetics

• **Professional Experience:**

2005 to 2007	Postdoctoral fellow at Amgen Inc. South San Francisco, CA, USA
2007 to 2010	Research fellow at Memorial Sloan-Kettering Cancer Center, NY, USA
2010 to 2016	Assistant professor, Department of Biological Sciences, KAIST, Korea
2017 to Present	Associate professor, Department of Biological Sciences, KAIST, Korea
2019 to Present	Tenured Associate professor, Department of Biological Sciences, KAIST, Korea

• **Professional Organizations:**

2013 to 2014	Organizing committee, Korean Society for Biochemistry and Molecular Biology (KSBMB) annual conference : The biggest conference in the field of biology in KOREA
2014 to 2016	Education committee, Korean Society for Molecular and Cellular Biology (KSMCB) : Organized one of the biggest scientific programs for high school students called “Kyung Aham Bio-Youth Camp
2015 to 2016	Vice Chair, Public relations committee, Women’s Bioscience Forum (WBF) : Organized “Science open lab” for female high school students
2018	Organizing committee, Korean Society for Molecular and Cellular Biology (KSMCB) annual conference
2022-2024	KSBMB-FAOBMB organizing committee

## • Main Scientific Publications:

Jin Woo Moon , Beom-Jin Hong , Seon-Kyu Kim , Min-Seok Park , Hohyeon Lee , JiWon Lee , Mi-Young Kim (2024). Systematic identification of a synthetic lethal interaction in brain-metastatic lung adenocarcinoma. *Cancer letters*, 588.

Hye-Been Yoo, Jin Woo Moon, Hwa-Ryeon Kim, Hee Seung Lee, Koji Miyabayashi, Chan Hee Park, Sabrina Ge, Amy Zhang, Yoo Keung Tae, Yujin Sub, Hyun-Woo Park, Heon Yung Gee, Faiyaz Notta, David A. Tuveson, Seungmin Bang, Mi-Young Kim, Jae-Seok Roe (2023). A TEAD2-Driven Endothelial-Like Program Shapes Basal-Like Differentiation and Metastasis of Pancreatic Cancer. *Gastroenterology* 165 (1), 133-148 (co-corresponding)

Mi So Park, A-young Yang, Jae Eun Lee, Seon-Kyu Kim, Jae-Seok Roe, Min Seok Park and Mi-Young Kim (2021). GALNT3 suppresses lung cancer by inhibiting myeloid-derived suppressor cell infiltration and angiogenesis in a TNFR and c-MET pathway-dependent manner. *Cancer letters*, 294-307

A-young Yang, Eun-bee Choi, Mi So Park, Seon-Kyu Kim, Min Seok Park and Mi-Young Kim (2020). PARP1 and PRC2 double deficiency promotes BRCA-proficient breast cancer growth by modification of the tumor microenvironment. *FEBS J*, 288:2888-2910. *Editor's pick*

Beom Jin Hong, Woo Yong Park, Hwa-Ryeon Kim, Jin Woo Moon, Ho Yeon Lee, Jun Hyung Park, Jae Seok Roe, Seon Kyu Kim, Young Bin Oh, Jae-Seok Roe and Mi-Young Kim (2019). Oncogenic KRAS sensitizes lung adenocarcinoma to GSK-J4-induced metabolic and oxidative stress. *Cancer Research*, 79, 5849–5859.

Ho Yeon Lee, Junghwa Cha, Seon Kyu Kim, Jun Hyung Park, Ki Hoon Song, Pilnam Kim, Mi-Young Kim (2019). c-MYC derives breast cancer metastasis to the brain, but promotes synthetic lethality with TRAIL. *Molecular Cancer Res*, 17(2):544-554.

Ki-Hoon Song, Mi So Park, Tulip S. Nandu, Shrikanth Gadad, Sang-cheol Kim and Mi-Young Kim (2016). GALNT14 promotes lung-specific breast cancer metastasis by modulating self-renewal and interaction with the lung microenvironment. *Nature Comm.* 7, 13796. **This paper was recommended in F1000 prime.**

Eun-bee Choi, A-young Yang, Sang Cheol Kim, Jungsul Lee, Jyung Kyun Choi, Chulhee Choi and Mi-Young Kim (2016) PARP1 enhances lung adenocarcinoma metastasis by novel mechanisms independent of DNA repair. *Oncogene*. 35(35). 4569-4579.

Woo-Yong Park, Beom-Jin Hong, Jungsul Lee, Chulhee Choi, and Mi-Young Kim (2016). H3K27 demethylase JMJD3 employs the NF-κB and BMP signaling pathways to modulate the tumor microenvironment and promote melanoma progression and metastasis. *Cancer Res*. 76(1), 161-170.

Mi Young Kim, Thordur Oskarsson, Don X. nguyen, Swarnali Acharyya, Larry Norton, and Joan Massague (2009). Tumor self-seeding by circulating cancer cells. *Cell* 139, 1315–1326.

Mi Young Kim, Steven Mauro, Nicolas Gevry, John T. Lis and W. Lee Kraus (2004). NAD<sup>+</sup>-dependent modulation of chromatin structure and transcription by nucleosome binding properties of PARP-1. *Cell* 119, 803-814