

Juhyung Park, Ph.D.

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Citizenship: Republic of Korea; USA green card holder

EDUCATION and EMPLOYMENT

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|----------------|--|---------------|
| 2024 – Present | <u>Stanford University</u> <i>Postdoctoral Scholar, Department of Hematology</i> Advisor: Calvin J. Kuo, M.D., Ph.D. | Stanford, USA |
| 2017 – 2023 | <u>Stanford University</u> <i>Ph.D in Biology, Department of Biology</i> Advisor: Or Gozani, M.D., Ph.D. | Stanford, USA |
| 2012 – 2017 | <u>Korea Institute of Science and Technology (KIST)</u> <i>Military Service and Research Scientist, Doping Control Center</i> Drug testing for athletic anti-doping control Head of doping control center: Oh-Seung Kwon, Ph.D. | Seoul, Korea |
| 2009 – 2012 | <u>Seoul National University</u> <i>Master of Science in Biochemistry,</i> <i>Department of Chemistry</i> Advisor: Chung-Mo Park, Ph.D. | Seoul, Korea |
| 2004 – 2008 | <u>Seoul National University</u> <i>Bachelor of Science in Agriculture, Department of Plant Science</i> | Seoul, Korea |

PUBLICATIONS

1. **Juhyung Park***, Jibo Wu*, Krzysztof J. Szkop, Jinho Jeong, Predrag Jovanovic, Dylan Husmann, Natasha M. Flores, Joel W Francis, Ying-Jiun C. Chen, Ana Morales Benitez, Emily Zahn, Shumei Song, Jaffer A. Ajani, Linghua Wang, Kamini Singh, Ola Larsson, Benjamin A. Garcia, Ivan Topisirovic, Or Gozani[#] and Pawel K. Mazur[#]. “SMYD5 methylation of rpl40 links ribosomal output to gastric cancer.” ***Nature*** (accepted)
*Equal contribution; [#]Equal correspondence
2. Robert Mealey-Farr*, Jinho Jeong*, **Juhyung Park***, Shuo Liu, Simone Hausmann, Joel W Francis, Maria Angulo Ibanez, Joonseok Cho, Katrin Chua, Pawel K. Mazur and Or Gozani. “Antibody toolkit to investigate eEF1A methylation dynamics in mRNA translation elongation.” *Journal of Biological Chemistry* 299(6) (2023):104747.
*Equal contribution
3. Mahbub Hasan, Ji-Eun Seo, Khandoker Asiqur Rahaman, Hophil Min, Ki Hun Kim, **Ju-Hyung Park**, Changmin Sung, Junghyun Son, Min-Jung Kang, Byung Hwa Jung, Won Sang Park, Oh-Seung Kwon. “Novel genes in brain tissues of EAE-induced normal and obese mice: Upregulation of metal ion-binding protein genes in obese-EAE mice.” *Neuroscience* 343 (2017):322-336.

4. Ji-Eun Seo, Mahbub Hasan, Joon-Seung Han, Nak-Kyoon Kim, Ji Eun Lee, Kang Mi Lee, **Ju-Hyung Park**, Ho Jun Kim, Junghyun Son, Jaeick Lee and Oh-Seung Kwon. "Dependency of Experimental Autoimmune Encephalomyelitis Induction on MOG35-55 Properties Modulating Matrix Metalloproteinase-9 and Interleukin-6." *Neurochemical Research* 41(4) (2016):666-676.
5. Kang Mi Lee, Ho Jun Kim, Junghyun Son, **Ju-Hyung Park**, Oh-Seung Kwon and Jaeick Lee. "Simple quantitation of formoterol and 11-nor- Δ 9-tetrahydrocannabinol-9-carboxylic acid in human urine by liquid chromatography-tandem mass spectrometry in doping control." *Journal of Chromatography B* 967 (2014):8-12.
6. Jae-Hoon Jung*, **Ju-Hyung Park***, Sangmin Lee, Taiko Kim To, Jong-Myong Kim, Motoaki Seki and Chung-Mo Park. "The Cold Signaling Attenuator HIGH EXPRESSION OF OSMOTICALLY RESPONSIVE GENE1 Activates *FLOWERING LOCUS C* Transcription via Chromatin Remodeling under Short-Term Cold Stress in *Arabidopsis*." *Plant Cell* 25 (2013):4378-4390.
*Equal contribution
7. Shin Young Hong, **Ju-Hyung Park**, Sin Hye Cho, Moon Sik Yang and Chung-Mo Park. "Phenological growth stages of *Brachypodium distachyon*: codification and description." *Weed Research* 51 (2011):612-620.

PRESENTATIONS

1. Lost in translation: investigating new roles for protein synthesis regulation in gastric cancer pathogenesis. Oral Presentation. Sungkyunkwan University, Department of Integrative Biotechnology. Seoul, Korea. January 11, 2024.
2. Lost in translation: investigating new roles for protein synthesis regulation in gastric cancer pathogenesis. Oral Presentation. Seoul National University, Department of Biological Sciences. Seoul, Korea. January 9, 2024.
3. METTL10 mediates eEF1AK318me that may have a role in cancer signaling. Poster Presentation. *EpiCypher 2021: Biological and Clinical Frontiers in Epigenetics*. Clearwater Beach, Florida, USA, Nov. 2021.
4. SMYD5 is a non-histone methyltransferase that may have a role in cancer signaling. Poster Presentation. *OGE travel grant poster session*, Stanford, Oct. 2019.
5. Identification of the role of a candidate lysine methyltransferase, SMYD5, in cancer signaling. Poster Presentation. *EpiCypher 2018 - Clinical and Biological Frontiers in Epigenetics*. Nassau, Bahamas, Nov. 2018.

FELLOWSHIPS & AWARDS

| | |
|----------------|--|
| 2024 – Present | NIH T32 Training Grant Fellowship , Stanford University |
| 2021 | Office of Graduate Education Travel Grant , Stanford University |
| 2019 – 2022 | Asan Foundation Biomedical Science Scholarship , Asan Foundation |
| 2018 | Office of Graduate Education Travel Grant , Stanford University |
| 2017 – 2019 | Korean Government Scholarship Program for Study Abroad , National Institute for International Education (NIIED), Ministry of Education, Korea |
| 2017 – 2018 | Genentech Foundation Predoctoral Fellowship , Stanford University |
| 2016 | Presidential Award |

Geun-hye Park, the 18th President of South Korea, along with the Ministry of the Interior, honored the significant contributions of doping tests for *2014 Incheon Asian games*

2010 – 2011 **Full tuition scholarship**, Lotte Scholarship Foundation
2010 **Brain Korea 21 scholarship**, Ministry of Education and Science Technology, Korea
2010 **Teaching assistant scholarship**, Seoul National University
2006 **Merit-based scholarship**, Seoul National University

TEACHING EXPERIENCES

Sep 2019 – **Teaching assistant**, Stanford University
Dec 2019 Served as a teaching assistant for Introduction to Laboratory Research in Cell and Molecular Biology (BIO 45 course). Assisted undergraduate students with their weekly laboratory assignments, graded weekly lab reports, and held weekly office hours.

Sep 2018 – **Teaching Assistant**, Stanford University
Dec 2018 Served as a teaching assistant for Biochemistry & Molecular Biology (BIO 83 course). Conducted weekly review sessions for a group of about 20 students, presented larger review sessions for over 150 students, graded exams, and held weekly office hours.

Mar 2010 – **Teaching assistant**, Seoul National University
Aug 2010 Served as a teaching assistant for General Chemistry Laboratory course. Assisted undergraduate students with their weekly laboratory works.