

Juhyung Park

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EDUCATION and EMPLOYMENT

2017 – 2023	<u>Stanford University</u> <i>Ph.D in Biology, Department of Biology, Advisor: Or Gozani</i>	Stanford, USA
2012 – 2017	<u>Military Service and Research Scientist: Doping control center, Korea Institute of Science and Technology (KIST)</u> Drug testing for athletic anti-doping control	Seoul, Korea
2009 – 2012	<u>Seoul National University</u> <i>Master of Science in Biochemistry, Advisor: Chung-Mo Park</i>	Seoul, Korea
2004 – 2008	<u>Seoul National University</u> <i>Bachelor of Science in Plant science</i>	Seoul, Korea

PUBLICATIONS

1. **Juhyung Park***, Jibo Wu*, Krzysztof J. Szkop, Jinho Jeong, 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, Pawel K. Mazur[#] and Or Gozani[#]. "SMYD5 methylation of rpl40 links ribosomal output to gastric cancer malignant progression." *Nature*, *in review*
*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*. (2023) 299(6) 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*. 343:322-336 (2017).
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.

Conference presentations

1. **Ju-Hyung Park**, and Or Gozani. "METTL10 mediates eEF1AK318me that may have a role in cancer signaling." *EpiCypher 2021: Biological and Clinical Frontiers in Epigenetics*. Clearwater Beach, Florida, US, Nov. 2021. *Poster presentation*
2. **Ju-Hyung Park**, and Or Gozani. "SMYD5 is a non-histone methyltransferase that may have a role in cancer signaling." *OGE travel grant poster session*, Stanford, Oct. 2019. *Poster presentation*
3. **Ju-Hyung Park**, and Or Gozani. "Identification of the role of a candidate lysine methyltransferase, SMYD5, in cancer signaling." *EpiCypher 2018 - Clinical and Biological Frontiers in Epigenetics*. Nassau, Bahamas, Nov. 2018. *Poster presentation*
4. **Ju-Hyung Park**, Ji-Hye Woo, Oh-Seung Kwon, Junghyun Son. "Differentiation of Recombinant Erythropoietins and Analogues by Electrophoretic Techniques." *The Asian Federation for Pharmaceutical Sciences Conference 2013 (AFPS 2013)*, Jeju, Korea, Nov. 2013. *Poster presentation*
5. **Ju-Hyung Park**, Ji-Hye Woo, Jaeick Lee, Oh-Seung Kwon, Junghyun Son. "Validation of Quantification Analysis for Recombinant Human Growth Hormone Doping in Blood by Sandwich ELISA." *The 13th International Congress of Toxicology (ICT 2013)*, Seoul, Korea, June 2013. *Poster presentation*

HONORS & AWARDS

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
2017 – 2018	Genentech Foundation Predoctoral Fellow , Stanford University through a Genentech Foundation Predoctoral Fellowship
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 <i>Incheon Asian games</i>
2010 – 2011	Full tuition scholarship , Lotte Scholarship Foundation
2010	Brain Korea 21 scholarship , Ministry of Education and Science Technology

2010	Teaching assistant scholarship , Seoul National University
2006	Merit-based scholarship , Seoul National University

TEACHING EXPERIENCES

Sep 2019 – Dec 2019	Teaching assistant , Stanford University Teaching assistant for Introduction to Laboratory Research in Cell and Molecular Biology (BIO 45 course). Assisted undergraduate students for their weekly laboratory works, graded weekly lab reports, and held weekly office hours.
Sep 2018 – Dec 2018	Teaching assistant , Stanford University Teaching assistant for Biochemistry & Molecular Biology (BIO 83 course). Reviewed lectures weekly a group of about 20 students, presented review sessions to over 150 students, graded exams and held weekly office hours.
May 2015 – Jul 2015	Research associate supervisor , Doping control center, KIST Taught internship students to implement doping tests for the 2015 Gwangju Universiade using Immuno-Chemiluminescence assay, ELISA, Protein gel electrophoresis.
May 2014 – Oct 2014	Research associate supervisor , Doping control center, KIST Taught internship students to implement doping tests for the 2014 Incheon Asian Games using ELISA, Protein gel electrophoresis, Hematological assay, Flow cytometry.
Dec 2012 – Feb 2017	Graduate research supervisor , Doping control center, KIST Taught graduate students to implement basic experimental methods such as ELISA, Hematological assay, Protein gel electrophoresis, Flow cytometry, and Immuno-radiometric assay.
Mar 2010 – Aug 2010	Teaching assistant , Seoul National University Teaching assistant for General Chemistry Laboratory course. Assisted undergraduate students for their weekly laboratory works.