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CEO, Geninus Inc.
 - **Current Position & Affiliation:** **Director, Samsung Genome Institute,**
Samsung Medical Center
 - **Country:** **Korea**
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• Educational Background:

- 1988 M.D. Seoul National University College of Medicine, Seoul, Korea
- 1995 Ph.D. (Biochemistry) Seoul National University Graduate School, Seoul, Korea
- 1998 Postdoctoral Fellow (Neuro-Oncology), Rockefeller University, New York, USA

• Professional Experience:

- 1988-1996 Research Assistant/Lecturer, Dong-A University, Busan, Korea
- 1998-2012 Professor, Seoul National University College of Medicine, Seoul, Korea
- 2004-2006 Visiting Professor, Rockefeller University, New York, USA
- 2005-2010 Guest Professor, Jilin University, China
- 2008-2010 Associate Dean, Seoul National University College of Medicine, Seoul, Korea
- 2010-2012 Chair, Department of Biomedical Sciences, Seoul National University, Seoul, Korea
- 2012-2012 Chair, Department of Biochemistry, Seoul National University, Seoul, Korea
- 2013- Director, Samsung Genome Institute, Samsung Medical Center, Seoul, Korea
- 2013- Professor, Sungkyunkwan University School of Medicine, Suwon, Korea
- 2018- Founder and CEO, GENINUS Inc., Seoul, Korea

• Professional Organization

- 2012-2015 Member, Scientific Committee, International Rare Disease Research Consortium
- 2014- Editorial Board, Genome Biology
- 2017-2018 National Science & Technology Committee, MSIP, Korea
- 2018-2018 Chairman, Healthcare Part, Presidential Committee on 4th Industrial Revolution, Korea
- 2018-2020 Member, National Bio R&D Committee, MSIP, Korea

• Main Scientific Publications:

1. Lee HO, Hong Y, Etliloglu HE, Cho YB, Pomella V, Bosch BV, Vanhecke J,

- Verbandt S, Hong H, Min JW, Kim N, Eum HH, Qian J, Boeckx B, Lambrechts D, Tsantoulis P, Hertogh G, Chung W, Lee T, An M, Shin HT, Joung JG, Jung MH, Ko G, Wirapati P, Kim SH, Kim HC, Yun SH, Tan IBH, Ranjan B, Lee WY, Kim TY, Choi JK, Kim YJ, Prabhakar S, Tejpar S, **Park WY**. Genetic triggers and microenvironmental signal amplification determine the immune landscape of colorectal cancer. **Nature Genetics** 2020 *in press*
2. Lee HW, Chung W, Lee HO, Jeong DE, Jo A, Lim JE, Hong JH, Nam DH, Jeong BC, Park SH, Joo KM, **Park WY**. Single-cell RNA sequencing reveals the molecular landscape of the tumor ecosystem and facilitates strategic choices to circumvent treatment failure in chemorefractory urothelial bladder carcinoma. **Genome Medicine** 2020 *in press*
 3. Shim JH, Kim HS, Cha H, Kim S, Kim TM, Anagnostou V, Choi YL, Jung HA, Sun JM, Ahn JS, Ahn MJ, Park K, **Park WY***, Lee SH*. Corrected tumor mutation burden and homologous recombination deficiency for the prediction of response to PD-(L)1 blockade in non-small cell lung cancer patients. **Annals of Oncology** 2020 Apr 19:S0923-7534(20)39295-4.
 4. Shin HT, Kim NKD, Yun JW, Lee B, Kyung S, Lee KW, Ryu D, Kim J, Bae JS, Park D, Choi YL, Lee SH, Ahn MJ, Park K, **Park WY**. Junction Location Identifier (JuLI): Accurate Detection of DNA Fusions in Clinical Sequencing for Precision Oncology. **Journal of Molecular Diagnostics** 2020 Mar;22(3):304-318.
 5. Ryu D, Kim SJ, Hong Y, Jo A, Kim N, Kim HJ, Lee HO, Kim K, **Park WY**. Alterations in the transcriptional programs of myeloma cells and the microenvironment during extramedullary progression affect proliferation and immune evasion. **Clinical Cancer Research** 2020 Feb 15;26(4):935-944.
 6. Fan J, Lee HO, Lee S, Ryu DE, Lee S, Xue C, Kim SJ, Kim K, Barkas N, Park PJ, **Park WY***, Kharchenko PV*. Linking transcriptional and genetic tumor heterogeneity through allele analysis of single-cell RNA-seq data. **Genome Research** 2018 Aug;28(8):1217-1227.
 7. Han KY, Kim KT, Joung JG, Son DS, Kim YJ, Jo A, Jeon HJ, Moon HS, Yoo CE, Chung W, Eum HH, Kim S, Kim HK, Lee JE, Ahn MJ, Lee HO, Park D, **Park WY**. SIDR: simultaneous isolation and parallel sequencing of genomic DNA and total RNA from single cells. **Genome Research** 2018 Jan;28(1):75-87.
 8. Shin HT, Choi YL, Yun JW, Kim NKD, Kim SY, Jeon HJ, Nam JY, Lee C, Ryu D, Kim SC, Park K, Lee E, Bae JS, Son DS, Joung JG, Lee J, Kim ST, Ahn MJ, Lee SH, Ahn JS, Lee WY, Oh BY, Park YH, Lee JE, Lee KH, Kim HC, Kim KM, Im YH, Park K, Park PJ, **Park WY**. Prevalence and detection of low-allele-fraction variants in clinical cancer samples. **Nature Communications** 2017 Nov 9;8(1):1377.