

CURRICULUM VITAE



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Position: Director

Institution: Samsung Genome Institute

Location: Seoul, Korea

Education:

1982-1988 MD, Seoul National University College of Medicine
1988-1990 MS, Seoul National University Graduate School (Biochemistry)
1990-1995 PhD, Seoul National University Graduate School (Biochemistry)

Representative Careers:

1991-1996 Lecturer, Biochemistry, Dong-A University College of Medicine
1997-1998 Postdoctoral fellow, Rockefeller University (Robert Darnell)
1998-2012 Professor, Biochemistry, Seoul National University College of Medicine
2013-present Professor, Molecular Cell Biology, Sungkyunkwan University School of Medicine
2013-present Director, Samsung Genome Institute, Samsung Medical Center

Specialty & Present Interest:

Cancer Genomics, Single cell genome analysis, Data mining

Representative papers (up to 5):

1. 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 Res.** 2018 Aug;28(8):1217-1227
2. Han KY, Kim KT, Joung JG, Son DS, Kim YJ, Jo A, Jeon HJ Moon HS, Yoo CE, Chung W, Lee HO, Park D, **Park WY**. SIDR: simultaneous isolation and parallel sequencing of genomic DNA and total RNA from single cells. **Genome Res.** 2018 Jan;28(1):75-87
3. Jung W, Eom HH, Lee HO, Lee KM, Lee HB, Kim KT, Ryu HS, Kim S, Lee JE, Park YH, Kan Z, Han W, Park WY. Single-cell RNA-seq delineates subpopulations of tumor-infiltrating immune cells in breast cancers. **Nat Commun.** 2017 May 5;8:15081
4. Shin HT, 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, Choi YL, 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**. Accurate identification of low-allele-fraction variants in clinical samples. **Nat Commun.** 2017 Nov 9;8(1):1377

5. Lee JK, Wang J, Sa JK, Ladewig E, Lee HO, Lee IH, Kang HJ, Rosenbloom DS, Camara PG, Liu Z, Nieuwenhuizen PV, Jung SW, Choi SW, Kim J, Chen A, Kim KT, Shin S, Seo YJ, Oh JM, Shin YJ, Park CK, Kong DS, Seol HJ, Blumberg A, Lee JI, Iavarone A, **Park WY***, Rabadan R*, Nam DH*. Spatiotemporal genomic architecture informs precision oncology in glioblastoma. **Nat Genet.** 2017 Apr;49(4):594-599.