



• **Name:** Jae-Sun, Park

• **Current Position:**

Deputy Director in Division of Laboratory Diagnosis Management in KCDC

• **Country:** Korea

• **Educational Background:**

- MS. (2004) and Ph.D. (2009) In Biology, KyungHee University, Korea
- ISO 17025, Korea Laboratory Accreditation scheme, 2013
- Uncertainty, Korea Laboratory Accreditation scheme, 2013
- Education for safety manager of general gas facility, Korea Gas Safty Corporation, 2013
- ISO 17043, Korea Laboratory Accreditation scheme, 2017

• **Professional Experience:**

- 2016-present: Division of Laboratory Diagnosis Management
 - Established EUA system and internal regulation and conducted EUA
 - Established Guideline for Zika diagnosis
 - Established guideline for laboratory testing of infectious diseases designated by law
 - Establishing standard and network for national reference laboratory for infectious disease in Korea
- 2012-2015: Division of Biobank for Health Science (National Biobank of Korea)
 - Established internal regulation for National Biobank of Korea (NBK)
 - Established new NBK Guideline for distribution of biospecimens and data
 - Managed the Korea Biobank Network (KBN) participated in 17 regional biobank and revised guideline in compliance with revised Bioethics and Safety Act.
 - Supervised review of information losses and errors in 17 regional biobank and planning for standardization of biobank information
 - Assisted planning for the second phase and third phase of Korea Biobank Project
- 2005-2011: Division of Intractable disease
 - Developed transgenic zebrafish (*vmhc:gfp*) to study the formation and function of the ventricle and Researched regulation factors during zebrafish embryonic heart development

- Researched vascular disease associated with environmental toxicant
- 2004-2005: Division of Vectors
- Researched malaria (*Plasmodium vivax*) vector: Distribution of malaria vectors and vector competence
- Researched Antimalaria drug susceptibility of *Plasmodium vivax*

• Main Scientific Publications:

- Accreditation system for national reference laboratories for infectious diseases. Park JS, Park YE, Kim GJ, Yoo CK, Public Health Weekly Report, PHWR. 2019, 12(35)
- Emergency Use Authorization of In-Vitro Diagnostics for Infectious Disease. Park JS, Choi YS, Yoo CK, Public Health Weekly Report, PHWR. 2017, 10(22)
- A strategic plan for the second phase (2013-2015) of the Korea biobank project. Park O, Cho SY, Shin SY, Park JS, Kim JW, Han BG. Osong Public Health Res Perspect. 2013 Apr;4(2):107-16.
- Identification of clinical biomarkers for pre-analytical quality control of blood samples. Kang HJ, Jeon SY, Park JS, Yun JY, Kil HN, Hong WK, Lee MH, Kim JW, Jeon JP, Han BG. Biopreserv Biobank. 2013 Apr;11(2):94-100.
- Coordinated regulation of angiopoietin-1 and vascular endothelial growth factor by arsenite in human brain microvascular pericytes: implications of arsenite-induced vascular dysfunction. Park JS, Seo J, Kim YO, Lee HS, Jo I. Toxicology. 2009 Oct 1;264(1-2):26-31
- Antimalarial drug susceptibility of *Plasmodium vivax* in the Republic of Korea. Chotivanich K, Sattabongkot J, Choi YK, Park JS, Sritabal J, Lim CS, Udomsangpetch R, White NJ, Lee WJ. Am J Trop Med Hyg. 2009 Jun;80(6):902-4.
- Isolation of a ventricle-specific promoter for the zebrafish ventricular myosin heavy chain (vmhc) gene and its regulation by GATA factors during embryonic heart development. Park JS, Kim HS, Kim JD, Seo J, Chung KS, Lee HS, Huh TL, Jo I, Kim YO. Dev Dyn. 2009 Jun;238(6):1574-81
- Characterization of a chromosomal nickel resistance determinant from *Klebsiella oxytoca* CCUG 15788. Park JS, Lee SJ, Rhie HG, Lee HS. J Microbiol Biotechnol. 2008 Jun;18(6):1040-3.
- Dexamethasone coordinately regulates angiopoietin-1 and VEGF: a mechanism of glucocorticoid-induced stabilization of blood-brain barrier. Kim H, Lee JM, Park JS, Jo SA, Kim YO, Kim CW, Jo I. Biochem Biophys Res Commun. 2008 Jul 18;372(1):243-8.