

• **Name: Park, Jae Sun (박재선)**

• **Current Position: Deputy Director(보건연구원)**

• **Country: Republic of Korea**

• **Educational Background:**

- BS, In Biology, KyungHee University, Korea (2002)
- MS, In Biology, KyungHee University, Korea (2004)
- PhD, In Biology, KyungHee University, Korea (2009)

• **Professional Experience:**

- Staff scientist in KCDC (2004~2019)
- Deputy Director in KDCA(2019~present)
- 2020-present: Division of Laboratory Diagnosis Management for infectious disease
  - Management and Standardization of Laboratory for infectious diseases
  - Laboratory Response for Emergency (EUA, Surge Lab e.t al.)
  - Establish Guideline for laboratory testing for infectious disease
- 2012-2015: Division of Biobank for Health Science (National Biobank of Korea)
  - Established Guideline for National Biobank of Korea (NBK) and Korea Biobank Network (KBN)
  - Managed the Korea Biobank Network (KBN) participated in 17 regional biobank
  - 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:**

- Guidelines for Laboratory Diagnosis of Coronavirus Disease 2019 (COVID-19) in Korea. Hong KH, Lee SW, Kim TS, Huh HJ, Lee J, Kim SY, Park JS, Kim GJ, Sung H, Roh KH, Kim JS, Kim HS, Lee ST, Seong MW, Ryoo N, Lee H, Kwon KC, Yoo CK. Ann Lab Med. 2020 Sep;40(5):351-360.
- Nationwide External Quality Assessment of SARS-CoV-2 Molecular Testing, South Korea. Sung H, Han MG, Yoo CK, Lee SW, Chung YS, Park JS, Kim MN, Lee H, Hong KH, Seong MW, Lee K, Chun S, Lee WG, Kwon GC, Min WK. Emerg Infect Dis. 2020 Oct;26(10):2353-2360.
- 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.
- *Anopheles kleini*, *Anopheles pullus*, and *Anopheles sinensis*: potential vectors of *Plasmodium vivax* in the Republic of Korea. Lee WJ, Klein TA, Kim HC, Choi YM, Yoon SH, Chang KS, Chong ST, Lee IY, Jones JW, Jacobs JS, Sattabongkot J, Park JS. *J Med Entomol*. 2007 Nov;44(6):1086-90.