

# Curriculum Vitae

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## Joong Kyu Kim, Ph.D.

Principal Scientist

Director of Research Group 2

PharmAbcine, Inc.

412, Daejeon BioVenture Town, 461-8, Jeonmin-Dong, Yuseong-Gu

Daejeon, 305-811, Republic of Korea

Senior Scientist at KRICT (Korea Research Institute of Chemical Technology)

## Professional Positions and Other Experiences

2011. 9 ~ current	Principal Scientist, R&D group Group, PharmAbcine, Inc.
2010. 9 ~ 2011. 8	Senior Scientist, Antibody Engineering Group, PharmAbcine, Inc.
2010. 9 ~ current	Senior Scientist, Korea Research Institute of Chemical Technology
2010. 3 ~ 2010. 7	General Manager of Executive Office, Institute for Refractory Cancer Research Samsung Medical Center
2010. 1 ~ 2010. 3	Team Manager, R&D Management Team of Executive Office, Institute for Refractory Cancer Research Samsung Medical Center
2009. 6 ~ 2009.12	Team Leader, Integration and Operation Team Bio-Med Connect Center, Samsung Medical Center
2009. 3 ~ 2010. 2	Instructor (Immunology, developmental biology), Dankook University.
2008. 8 ~ 2009. 6	CTO, eGen Biotech Co, Ltd.
2005. 8 ~ 2008. 6	Columnist of the San Francisco JoongAng Ilbo
2005. 1 ~ 2005. 12	President of KOLIS(Korean Life Scientists in the bay area)
2001. 9 ~ 2002. 9	Chief of molecular biology part, Dinona Inc., Seoul, Korea
1999. 9 ~ 2001. 8	Assistant teacher of Experimental Animal Facility, Seoul National

University, Seoul, Korea

## Education

2003. 2 – 2008. 6 Visiting postdoctoral fellow at UC San Francisco, California, USA.
1996. 3 – 2001. 8 School of Biological Sciences and Institute of Molecular Biology and Genetics, Seoul National University, Seoul, Korea  
Awarded the degree of Ph.D. in molecular immunology for a thesis entitled “Studies on in vivo function of SRG3, a core component of chromatin remodeling complex SWI/SNF, using knockout mice”  
Work supervised by Dr. Rho Hyun Seong
1994. 3 – 1996. 2 School of Biological Sciences and Institute of Molecular Biology and Genetics, Seoul National University, Seoul, Korea  
Awarded the degree of MS in molecular immunology for a thesis entitled “Studies on the differentiation of thymocytes by using transgenic mice expressing a CD4/CD8 chimeric protein”  
Work supervised by Dr. Rho Hyun Seong
1990. 3 – 1994. 2 Department of Biochemistry, Yonsei University, Seoul, Korea  
Awarded the degree of BS in biochemistry

## Technical Experiences

### **Molecular biology;**

Isolation and purification of plasmid DNA and genomic DNA  
cDNA, genomic DNA library screening including phage work  
DNA vector construction, genomic Southern and PCR  
Real-time PCR, Microarray

### **Biochemistry;**

SDS-PAGE, Western, Immunoprecipitation  
Bacterial fusion protein expression and purification

Protein purification by affinity column

Antibody purification and labeling

### **Cell culture and Immunology;**

Cell culture and transfection

Basic, competitive, sandwich ELISA

Flow cytometric analysis – sorting, 10 colors analysis

Proliferation assay, Regulatory T cell functional assay

Immunohistochemistry and immunofluorescent staining

Adoptive transfer of immune cells

### **Animal experiments;**

Breeding and caring inbred, transgenic, knockout mice

In vitro culture of blastocyst and immunofluorescent staining

Embryo isolation and genotyping

Isolation and analysis of immune cells

## **Publications**

1. Jung HS, Erkin OC, Kwon MJ, Kim SH, Jung JI, Oh YK, Her SW, Ju W, Choi YL, Song SY, **Kim JK**, Kim YD, Shim GY, Shin YK. The synergistic therapeutic effect of cisplatin with Human papillomavirus E6/E7 short interfering RNA on cervical cancer cell lines in vitro and in vivo. *Int J Cancer*. 2012 Apr 15;130(8):1925-36. doi: 10.1002/ijc.26197. Epub 2011 Aug 8.

2. Jin X, Jeon H-Y, Joo KM, Kim J, Jin J, Kim SH, Kang BG, Beck S, Lee SJ, **Kim JK**, Park W-Y, Choi Y-J, Nam DH, and Kim H. Frizzled 4 regulates stemness and invasiveness of migrating glioma cells established by serial in vivo intracranial transplantation. *Cancer Res*. 2011 Mar 1.

3. Jin J, Joo KM, Lee SJ, Jo MY, Kim Y, Jin Y, **Kim JK**, Ahn JM, Yoon MJ, Lim J, Nam DH. Synergistic therapeutic effects of cytokine-induced killer cells and temozolomide against glioblastoma. *Oncol Rep*. 2011 Jan;25(1):33-9.

4. **Kim JK**, Klinger M, Benjamin J, Littman DR, and Killeen N. Impact of the TCR signal on regulatory T cell homeostasis, function, and trafficking. *PLoS One*, 2009 Aug 11;4(8):e6580.

5. \*Klinger M, \***Kim JK**, Chmura SA, Barczak A, Erle DJ, Killeen N. Thymic OX40 expression discriminates cells undergoing strong responses to selection ligands. *J Immunol.* 2009 Apr 15;182(8):4581-9. (\*equal contribution)
6. **Kim JK**, Huh SO, Choi H, Lee KS, Shin D, Lee C, Nam JS, Kim H, Chung H, Lee HW, Park SD, Seong RH. (2001) Srg3, a mouse homolog of yeast SWI3, is essential for early embryogenesis and involved in brain development. *Mol. Cell. Biol.* 2001 21(22): 7787-7795.
7. Choi YI, Jeon SH, Jang J, Han S, **Kim JK**, Chung H, Lee HW, Chung HY, Park SD, Seong RH. (2001) Notch1 confers a resistance to glucocorticoid-induced apoptosis on developing thymocytes by down-regulating SRG3 expression. *Proc. Natl. Acad. Sci. USA* 98(18):10267-10272.
8. Han S, Choi H, Ko MG, Choi YI, Sohn DH, **Kim JK**, Shin D, Chung H, Lee HW, Kim JB, Park SD, Seong RH. (2001) Peripheral T cells become sensitive to glucocorticoid- and stress-induced apoptosis in transgenic mice overexpressing SRG3. *J. Immunol.* 167(2):805-810.
9. Jeon SH, Jeong S, Lee C, **Kim JK**, Kim YS, Chung HY, Park SD, Seong RH. (1998) Expression of Tcf-1 mRNA and surface TCR-CD3 complexes are reduced during apoptosis of T cells. *Int. Immunol.* 10(10):1519-15127.
10. **Kim J**, Choi YI, Choi Y, Park SD, and Seong RH. (1997) High-level constitutive expression of mouse CD4 and CD4/CD8 $\alpha$  hybrid molecules in transgenic mice. *Korean J. Biol. Sci.* 1:451-455.