

## Jae-Woong Lee

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### Education

- 2009-Present Ph.D., School of Life Science and Biotechnology, Kyungpook National University  
(Supervised by Professor Sanggyu Lee)
- 2007-2009 M.S., School of Life Science and Biotechnology, Kyungpook National University  
(Supervised by Professor Jae Woong Ryoo)
- 2000-2007 B.S., School of Life Science and Biotechnology, Kyungpook National University

### Research Experiences

- 2009-Present Ph.D Student, School of Life Science and Biotechnology, Kyungpook National University  
**Research theme:** 1. The role of *DACHI* in *MLL-AF9* mediated myeloid leukemia  
2. Cell cycle regulation by *DACHI* in myeloid cells
- 2007-2009 M.S. Student, Korea National Primate Research Center, Korea Research Institute of Bioscience & Biotechnology (KRIBB)  
**Research theme:** 1. Functional study of fertilization related molecules  
2. Sperm-egg interaction

### Publications

**Jae-Woong Lee**, Hyeng-Soo Kim, Seonggon Kim, Junmo Hwang, Young Hun Kim, Ga Young Lim, Wern-Joo Sohn, Suk-Ran Yoon, Jae-Young Kim, Tae Sung Park, Seung Hwan Oh, Kwon Moo Park, Zae Young Ryoo, Sanggyu Lee, Regulation of HOXA9 activity by predominant expression of DACH1 against C/EBP $\alpha$  and GATA-1 in myeloid leukemia with MLL-AF9. (**Submitted to Oncogene**)

**Jae-Woong Lee**, Hyeng-Soo Kim, Seonggon Kim, Junmo Hwang, Young Hun Kim, Ga Young Lim, Wern-Joo Sohn, Suk-Ran Yoon, Jae-Young Kim, Tae Sung Park, Kwon Moo Park, Zae Young Ryoo, Sanggyu Lee, DACH1 regulates cell cycle progression of myeloid cells through the control of cyclin D, Cdk 4/6 and p21Cip1. (**Accepted. Biochem Biophys Res Commun.**)

Kim E\*, **Lee JW\***, Baek DC, Lee SR, Kim MS, Kim SH, Kim CS, Ryoo ZY, Kang HS, Chang KT.

Processing and subcellular localization of ADAM2 in the Macaca fascicularis testis and sperm. **Anim Reprod Sci.** 2010 Jan;117(1-2):155-9. Epub 2009 Apr 23.

\*These Two authors contributed equally to this study

Kim HS, Hwang J, Kim YH, Kim S, **Lee JW**, Kang HS, Kim KS, Ha JH, Chung JW, Chang KT, Ryoo ZY, Lee S. Detection of low-abundant novel transcripts in mouse hematopoietic stem cells. **Mol Genet Genomics.** 2009 Oct;282(4):363-70. Epub 2009 Jul 8.

Kim E, Park KE, Kim JS, Baek DC, **Lee JW**, Lee SR, Kim MS, Kim SH, Kim CS, Koo DB, Kang HS, Ryoo ZY, Chang KT. Importance of the porcine ADAM3 disintegrin domain in sperm-egg interaction. **J Reprod Dev.** 2009 Apr;55(2):156-62. Epub 2008 Dec 24.

Kim E, **Lee JW**, Baek DC, Lee SR, Kim MS, Kim SH, Imakawa K, Chang KT. Identification of novel retromer complexes in the mouse testis. **Biochem Biophys Res Commun.** 2008 Oct 10;375(1):16-21. Epub 2008 Jul 24.

### **Scholarship**

March 2005-February 2007 Full Scholarship for excellent achievement during 4 semesters from New University for Regional Innovation, National Project

### **Experimental Skills**

**Animal study:** Bone marrow cell isolation, BMT, Blood collection, Biopsy, H&E Staining and IHC, Intravenous & Intraperitoneal Injection.

**Cell culture:** Retroviral infection to bone marrow cells, Cell staining, Colony-formation assay, Luciferase Assay, ChIP Assay, Cell Proliferation Assay

**Gene work:** Gene cloning, qRT-PCR, Southern blot hybridization

**Protein work:** WB, Co-IP, Recombinant protein expression & purification

### **Additional Information**

Bass, Rock band ELECS, Kyungpook National Univ. 2000-Present, Performed several concerts

Club President, Rock band ELECS, Kyungpook National Univ. 2004-2005

Bass & Composition, IRONIC HUE. 2005-2007, Debut 2007 1<sup>st</sup> Album [Into the mirror]

### **REFERENCES**

Available upon request.