

## CURRICULUM VITAE

**Yong Suk Cho, Ph.D.**

---

Adjunct Faculty  
Department of Biology  
Richland College  
Office 972-238-6140  
Email: YSCho@dcccd.edu

### EDUCATION AND TRAINING:

**University of Texas at Austin:** Molecular Cell and Developmental Biology  
Austin, TX, Ph.D.  
Advisor: David Stein, Ph.D.  
Thesis title: "Studies of the Regulation of Serine Protease Activity in the  
Establishment of the Dorsal-Ventral Axis of the *Drosophila* embryo"

**Hallym University:** Department of Genetic Engineering Korea  
M.S. in Molecular Genetics  
Advisor: Kyu-Hyung Han, Ph.D.

**Hallym University:** Department of Genetic Engineering Korea  
B.S. in Genetic Engineering

### PROFESSIONAL EXPERIENCE:

Adjunct Faculty – Dept of Biology at Richland College	2016-Current
Adjunct Faculty – Dept of Life Science at Tarrant County College	2015-Current
Research Fellow-- UT Southwestern Medical Center	2016-Current
Post Doctoral Fellow – UT Southwestern Medical Center	2012-2016
Post Doctoral Fellow – University of Texas at Austin (Advisor: David Stein, Ph.D)	2010-2012
Graduate Research Assistant – University of Texas at Austin	2002-2010
Researcher- Cancer Gene Therapy at Samsung Biomedical Research Institute, Seoul Korea	1999-2002
Required Military Service – Medic, Korean Army 20th Mechanized Infantry Division	1997-1999
Researcher- Institute of Environment and Life Science, Hallym Academy of Science, Seoul Korea	

## ACADEMIC AND PROFESSIONAL HONORS

2005 MCDB Travel Award, Department of Molecular Cell and Developmental Biology, The University of Texas at Austin, TX

2006 Dorothea Bennett Summer Fellowship, Department of Molecular Cell and Developmental Biology, The University of Texas at Austin, TX

2007 Dorothea Bennett Summer Fellowship, Department of Molecular Cell and Developmental Biology, The University of Texas at Austin, TX

## TEACHING EXPERIENCE as a Faculty Member

2015-Present, Introductory Biology for major and non-major (Lectures and Labs)

2016-Present, Microbiology for major (Lecture and Lab)

## TEACHING EXPERIENCE as a Teaching Assistant

Developmental Biology (5 semesters)

Introductory Biology (3 semesters)

General Microbiology Lab (1 semester)

Introductory Microbiology (2 semesters)

Genetics and Lab (2 semesters)

Human Anatomy and Physiology (1 semester)

## JOURNAL ARTICLES:

Shuangxi Li\*, **Yong Suk Cho\***, Tao Yue, Y Tony Ip, Jin Jiang. Overlapping functions of the MAP4K family kinases Hppy and Msn in Hippo signaling. *Cell Discovery* (2015) 1, 15038. (\*equal contribution).

Stein, D\*, **Cho, YS\***, Stevens, LM. Localized serine protease activity and the establishment of *Drosophila* embryonic dorsoventral polarity. *Fly*. 2013; 7(3): 1-7. (\*equal contribution) PMID: 22578419

**Cho, YS**, Stevens, LM., Sieverman, KJ., Nguyen, J., Stein, D. A ventrally localized protease in the *Drosophila* egg controls embryo Dorso-ventral Polarity. *Current Biology*. 2012;22(11):1013-1018. PMCID: PMC3371173

Stein, D., Charatsi, I., **Cho, YS.**, Zhang, Z., Nguyen, J., DeLotto, R., Luschnig, S. and Moussian, B. Localization and activation of the *Drosophila* protease easter require the ER-resident saposin-like protein seele. *Current Biology*. 2010; 20(21):1953-1958.

**Cho, YS.**, Stevens, LM. and Stein, D. Pipe-dependent ventral processing of Easter by Snake is the defining step in *Drosophila* embryo DV axis formation. *Current Biology*. 2010; 20(12):1133-1137.

Stein, D., **Cho, YS.**, Zhang, Z., and Stevens, LM. No requirement for localized Nudel protein expression in *Drosophila* embryonic axis determination. *Fly* (Austin). 2008; 2(4): 220-228.

Lee, SH., Kim, JW., Lee, HW., **Cho, YS.**, Oh, SH., Kim, YJ., Jung, CH., Zhang, W., and Lee, JH. Interferon regulatory factor-1 (IRF-1) is a mediator for interferon-gamma induced attenuation of telomerase activity and human telomerase reverse transcriptase (hTERT) expression. *Oncogene*. 2003; 22(3): 381-391.

Kim, JS., Lee, SH., **Cho, YS.**, Choi, JJ., Kim, YH., and Lee, JH. Enhancement of the adenoviral sensitivity of human ovarian cancer cells by transient expression of coxsackievirus and adenovirus receptor (CAR). *Gynecol Oncol*. 2002; 85(2): 260-265.

Kim, JS., Lee, SH., **Cho, YS.**, Park, KS., Kim, YH., and Lee, JH. Development of packaging cell line for propagation of replication-deficient adenovirus vector. *Experimental and Molecular Medicine*. 2001; 33(3): 145-149.

Kim, JS., Lee, SH., **Cho, YS.**, Kim, YH. and Lee, JH. Ectopic expression of the coxsackievirus and adenovirus receptor (CAR) increases susceptibility to adenoviral infection in the human cervical cancer cell line, SiHa. *Biochemical and Biophysical Research Communications*. 2001; 288(1): 240-244.

\*Lee, SH., \***Cho, YS.**, Shim, CS., Kim, JS., Choi, JJ., Oh, SH., and Lee, JH. Aberrant expression of Smad4 results in resistance against the growth inhibitory effect of transforming growth factor-beta in SiHa, human cervical cancer cell line. *Int. J. Cancer*. 2001; 94(4): 500-507. (**\*equal contribution**)

Lee SH., Zhang W., Choi, JJ., **Cho, YS.**, Lee, SH., Kim, JW., Hu, L., Xu, J., Liu, J., and Lee, JH. Overexpression of the Thymosin beta-10 gene in human ovarian cancer cells disrupts F-actin stress fiber and leads to apoptosis. *Oncogene*. 2001; 20(46): 6700-6706.

Kim, JH., **Cho, YS.**, Kim, BC., Kim, YS. and Lee, GS. Role of Rho GTPase in the Endothelin-1-Induced Nuclear Signaling. *Biochemical and Biophysical Research Communications*. 1997; 232(1): 223-226.