Curriculum Vitae

Choon-Tak Kwon, Ph.D.

Cold Spring Harbor Laboratory, 1 Bungtown Road, NY 11724, USA

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EDUCATION AND TRAINING

2012.9-2015.8 **Ph.D.** in Crop Molecular Genetics, Seoul National University
Ph.D. dissertation: Regulatory mechanism of *EL1* for floral repression and spikelet development in rice (Advisor: Nam-Chon Paek, Ph.D.)

2010.9-2012.8 **M.S.** in Crop Molecular Genetics, Seoul National University
M.S. thesis: Natural variation in the *Early flowering1* contributes to heading date and gibberellin signaling in rice (Advisor: Nam-Chon Paek, Ph.D.)

2004.3-2010.8 **B.S.** in Crop Science and Biotechnology, Seoul National University
(2006.3-2009.2: A leave of absence for military service)

PROFESSIONAL EXPERIENCES

2016.11-present **Postdoctoral fellow** (Advisor: Zachary B. Lippman, Ph.D.)
Cold Spring Harbor Laboratory, USA

2015.9-2016.10 **Postdoctoral fellow** (Advisor: Nam-Chon Paek, Ph.D.)
Plant Genomics and Breeding Institute, Seoul National University

HONORS AND AWARDS

2015.11-2016.10 Postdoctoral fellowship from the Basic Science Research Program, National Research Foundation of Korea funded by the Ministry of Education. (2015R1A6A3A01057535)

2014.7 Poster Award, Plant Molecular Breeding Center.

2012.3-2012.8 Academic Scholarship, College of Agriculture and Life Sciences.

2009.3-2010.8 National Science and Engineering Scholarships, Korea Student Aid Foundation.

2004.3-2006.2 National Science and Engineering Scholarships, Korea Student Aid Foundation.

PUBLICATIONS

1. **Kwon CT**, Song G, Kim SH, Han J, Yoo SC, An G, Kang K, Paek NC (**2018**) Functional deficiency of phytochrome B improves salt tolerance in rice. ***Environmental and Experimental Botany*** 148: 100-108
2. Kim SH†, **Kwon CT**†, Song G, Koh HJ, An J, Paek NC (**2018**) The rice *zebra3* (*z3*) mutation disrupts citrate distribution and produces transverse dark-green/green variegation in mature leaves. ***Rice*** 11:1 (†**Equal contributors**)
3. **Kwon CT**, Kim SH, Song G, Kim D, Paek NC (**2017**) Two NADPH: Protochlorophyllide oxidoreductase (POR) isoforms play distinct roles in environmental adaptation in rice. ***Rice*** 10:1
4. **Kwon CT**, Paek NC (**2016**) Gibberellic acid: A key phytohormone for spikelet fertility in rice grain production. ***International Journal of Molecular Sciences*** 17:794
5. **Kwon CT**, Kim SH, Kim D, Paek NC (**2015**) The rice floral repressor *Early flowering1* affects spikelet fertility by modulating gibberellin signaling. ***Rice*** 8:23
6. **Kwon CT**, Koo BH, Kim D, Yoo SC, Paek NC (**2015**) Casein kinases I and 2α phosphorylate Oryza sativa pseudo-response regulator 37 (OsPRR37) in photoperiodic flowering in rice. ***Molecules & Cells*** 38:81-88
7. **Kwon CT**, Yoo SC, Koo BH, Cho SH, Park JW, Zhang ZY, Li JJ, Li ZC, Paek NC (**2014**) Natural variation in *Early flowering1* contributes to early flowering in japonica rice under long days. ***Plant, Cell & Environment*** 37:101-112
8. Koo BH, Yoo SC, Park JW, **Kwon CT**, Lee BD, An G, Zhang ZY, Li JJ, Li ZC, Paek NC (**2013**) Natural variation in *OsPRR37* regulates heading date and contributes to rice cultivation at a wide range of latitudes. ***Molecular Plant*** 6:1877-1888