

"Bax Inhibitor-1 modulates endoplasmic reticulum stress-mediated programmed cell death in *Arabidopsis*" (2007) Naohide Watanabe and Eric Lam, **J. Biol. Chem.** Epub, November.

"DNA hypomethylation reduces homologous pairing of inserted tandem repeat arrays in somatic nuclei of *Arabidopsis thaliana*" (2005) Koichi Watanabe, Ales Pecinka, Armin Meister, Ingo Schubert, and Eric Lam, **Plant Journal** 44, 531-540.

"Tandem repetitive transgenes and fluorescent chromatin tags alter the local interphase chromosome arrangement in *Arabidopsis thaliana*" (2005) Ales Pecinka, Naohiro Kato, Armin Meister, Aline V. Probst, Ingo Schubert and Eric Lam, **J. of Cell Science** 118, 3751-3758.

5 Other Significant Publications

"Inducible double-stranded RNA expression activates reversible transcript turnover and stable translational suppression of a target gene in transgenic tobacco" (2005) Clive Lo, Nai Wang and Eric Lam, **FEBS Lett.** 579, 1498-1502.

"Controlled cell death, plant survival and development" (2004) Eric Lam, **Nature Reviews in Mol. Cell. Biology** 5, 305-315.

"Visualizing Chromosome Structure/Organization" (2004) Eric Lam, Naohiro Kato, and Koichi Watanabe, **Annual Review in Plant Biology** 55, 537-554.

"Spectral Profiling for the simultaneous observation of four distinct fluorescent proteins and detection of protein-protein interaction via fluorescence resonance energy transfer in tobacco leaf nuclei" (2002) Naohiro Kato, Dominique Pontier and Eric Lam, **Plant Physiology** 129, 931-942.

"Detection of Chromosomes Tagged with Green Fluorescent Protein in Live *Arabidopsis thaliana* Plants" (2001) Naohiro Kato and Eric Lam, **Genome Biology** 2, 0045.1-0045.10.

Synergistic Activities

1. I have consistently participated in undergraduate research training over the past 17 years at Rutgers University at New Jersey, with over 20 undergraduates having trained in my laboratory.
2. Participated for multiple years in outreach programs such as RISE, which is a summer research program for high school students from inner city high schools in New Jersey.
3. Served the broader scientific community by contributing as ad hoc reviewer for NSF, USDA and DOE, in addition to reviewing manuscripts for journals such as *Nature*, *EMBO J.*, etc. I have also been serving as Associate Editor for *Plant Molecular Biology* since 1996.
4. Through our previous NSF PGRP-funded project, we have been producing improved vectors for gene expression and autofluorescent proteins and have distributed them to over 40 researchers worldwide. In addition, all seed stocks from our project on Chromatin Charting are being deposited into the Ohio Stock Center as they are being generated. To date, more than 280 lines have already been deposited and are available to the community.