

## PUBLICATIONS

### a. Book Chapters

Kleckner, N., Morisato, D., Roberts, D., and Bender, J. (1984). Mechanism and Regulation of Tn10 Transposition. *Cold Spring Harbor Symp. Quant. Biol.* **49**, 235-244.

Kleckner, N., Bender, J., and Gottesman, S. (1991). Uses of Transposons with Emphasis on Tn10. *Methods Enz.* **204**, 139-180.

Bender, J. (2004). DNA methylation and epigenetics. *Annu. Rev. Plant Biol.* **55**, 41-68.

Bender, J. (2004). DNA methylation of the endogenous *PAI* genes in Arabidopsis. *Cold Spring Harbor Symp. Quant. Biol.* **69**, 145-153.

### b. Refereed Journal Articles

Bender, J. and Neer, E. (1983). Properties of the Adenylate Cyclase Catalytic Unit from Caudate Nucleus. *J. Biol. Chem.* **258**, 2432-2439.

Bender, J., Wolf, L., and Neer, E. (1984). Interaction of Forskolin with Resolved Adenylate Cyclase Components. *Adv. Cyc. Nuc. Protein Phos. Res.* **17**, 101-109.

Frost, J., Bender, J., Kadonaga, J., and Knowles, J. (1984). Dehydroquinase Synthase from *Escherichia coli*: Purification, Cloning, and Construction of Overproducers of the Enzyme. *Biochemistry* **23**, 4470-4475.

Bender, J. and Kleckner, N. (1986). Genetic Evidence that Tn10 Transposes by a Nonreplicative Mechanism. *Cell* **45**, 801-815.

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Bender, J. and Fink, G. R. (1998). A Myb homologue, ATR1, activates tryptophan gene expression in *Arabidopsis*. *Proc. Natl. Acad. Sci. USA* **95**, 5655-5660.

Jeddeloh, J.A., Bender, J., and Richards, E.J. (1998). The DNA methylation locus *DDM1* is required for maintenance of gene silencing in *Arabidopsis*. *Genes Dev.* **12**, 1714-1725.

Luff, B., Pawlowski, L., and Bender, J. (1999). An inverted repeat triggers *de novo* methylation of identical sequences in *Arabidopsis*. *Mol. Cell* **3**, 505-511.

- Melquist, S., Luff, B., and Bender, J. (1999). Arabidopsis *PAI* gene arrangements, cytosine methylation, and expression. *Genetics* **153**, 401-413.
- Bartee, L. and Bender, J. (2001). Two *Arabidopsis* methylation-deficiency mutations confer only partial effects on a methylated endogenous gene family. *Nucleic Acids Res.* **29**, 2127-2134.
- Bartee, L., Malagnac, F., and Bender, J. (2001). *Arabidopsis cmt3* chromomethylase mutations block non-CG methylation and silencing of an endogenous gene. *Genes Dev.* **15**, 1753-1758.
- Smolen, G. and Bender, J. (2002). Arabidopsis cytochrome P450 *cyp83B1* mutations activate the tryptophan biosynthetic pathway. *Genetics* **160**, 323-332.
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### **c. Invited Reviews/Perspectives**

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Symer, D.E. and Bender, J. (2001). Hip-hopping out of control. *Nature* **411**, 146-148.

Bender, J. (2001). A vicious cycle: RNA silencing and DNA methylation in plants. *Cell* **106**, 129-132.

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Mathieu, O. and Bender, J. (2004). RNA-directed DNA methylation. *J. Cell Science* **117**, 4881-4888.

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