

**Elizabeth O. Shuster**

List of Publications

1. \* Parker, Roy, Trey Simmons, Elizabeth O. Shuster, Paul G. Siliciano and Christine Guthrie. Aug. 1988. Genetic analysis of small nuclear RNAs in *Saccharomyces cerevisiae*: Viable sextuple mutant. *Molecular and Cellular Biology* 8(8):3150-3159.
2. \* Shuster, Elizabeth O., and Christine Guthrie. Oct. 1988. Two conserved domains of yeast U2 snRNA are separated by 945 non-essential nucleotides. *Cell* 55:41-48.
3. \* Shuster, Elizabeth Orvis, and Breck Byers. Sept. 1989. Pachytene arrest and other meiotic effects of the 'Start' mutations in *Saccharomyces cerevisiae*. *Genetics* 123(1):29-43.
4. \* Roiha, H., E.O. Shuster, D.A. Brow and C. Guthrie. Oct. 1989. snRNAs from budding yeasts: Phylogenetic comparisons reveal extensive size variation. *Gene* 82(1):137-144.
5. \* Shuster, E.O., and C. Guthrie. May 1990. Human U2 snRNA can function in pre-mRNA splicing in yeast. *Nature* 345(6272):270-273.

\*Refereed

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List of Abstracts and Presentations

1. Shuster E.O. and B. Byers. 1983. Meiotic analysis of the "Start" class of *cdc* mutations. Platform presentation, meeting on The Molecular Biology of Yeast, Cold Spring Harbor, Cold Spring Harbor, New York.
2. Shuster, E.O., R. Parker, P. Siliciano, T. Simmons, N. Riedel and C. Guthrie. 1986. Do non-essential genes encode functionally redundant gene products? Poster, Meeting on Yeast Genetics and Molecular Biology, Genetics Society of America, Champagne/Urbana Illinois.
3. Shuster, E., H. Roiha, N. Riedel and C. Guthrie. 1987. snRNA gene families in fungi. Poster, Western Winter Workshop on The Evolution of Genes and Genomes, Lake Tahoe, California.
4. Shuster, E., H. Roiha, N. Riedel and C. Guthrie. 1987. Why is the *S. cerevisiae* U2 snRNA six times larger than its metazoan analogues? Poster, Meeting on Yeast Genetics and Molecular Biology, Genetics Society of America, San Francisco, California.
5. Shuster, E.O. 1987. Surprising diversity of U2 snRNA sizes among fungi. Invited participant, Gordon Research Conference on Population Biology and Evolution of Microorganisms, Plymouth, New Hampshire.
6. Shuster, E.O. and C. Guthrie. 1988. The yeast U2 snRNA, snR20, has two functionally important domains. Poster, UCLA Symposium on the Molecular Biology of RNA, Journal of Cellular Biochemistry (Supp 12D):56.
7. Shuster, E.O. and C. Guthrie. 1988. Two domains of the yeast U2 snRNA, snR20, are required for mRNA splicing. Poster, Yeast 4, S501, RNA Processing Workshop presentation: Phylogenetic comparisons of snRNAs from budding yeasts; Cell Cycle Workshop presentation: Start gene function in meiosis; 14th International Conference on Yeast Genetics and Molecular Biology, Espoo, Finland.
8. Shuster, E.O. 1989. Genetic analyses of snRNA functions in yeast splicing. Invited speaker, ICN-UCI Symposium on Protein-Nucleic Interaction in Gene Expression, Dana Point, California.
9. Shuster, E.O. 1989. Genetic analyses of the U2 small nuclear RNA. Platform presentation, Meeting on Yeast Genetics and Molecular Biology, Genetics Society of American, Atlanta, Georgia.
10. Shuster, E.O., E. Schwartz and S.L. Elrod. 1991. Identification of mutations which prevent commitment to meiosis in *Saccharomyces cerevisiae*. Poster, Abstract #98A, 1991 Yeast Genetics and Molecular Biology Meeting, San Francisco, California.
11. Shuster, E.O., E. Schwartz and S.L. Elrod. 1991. Identification of mutations which prevent commitment to meiosis in *Sacch. cerevisiae*. Poster, Abstract

- #93, Meeting on Yeast Cell Biology, Cold Spring Harbor, Cold Spring Harbor, New York.
12. Shuster, E.O., E. Brooks, D. Beach, E. Schwartz and S.L. Elrod. 1992. Identification of mutations which prevent commitment to meiosis in *Sacch. cerevisiae*. Poster, 1992 Gordon Conference on Meiosis, Plymouth State College, New Hampshire.
  13. Elrod, S.L. and E.O. Shuster. 1993. *CDC36* function during meiosis. Poster, Abstract #108A, 1993 Yeast Genetics and Molecular Biology Meeting, Madison, Wisconsin.
  14. Elrod, S.L., and E.O. Shuster. 1993. *CDC36* function during meiosis. Poster, Abstract #77, 1993 Meeting on Yeast Cell Biology, Cold Spring Harbor, CSH N.Y.
  15. Brooks, E., S. Tom, E. Schwartz, S.E. Elrod and E.O. Shuster. 1993. Optimizing sporulation conditions for different *S. cerevisiae* backgrounds. Talk by E. O. Shuster, Abstract #161, 1993 Meeting on Yeast Cell Biology, Cold Spring Harbor, New York.