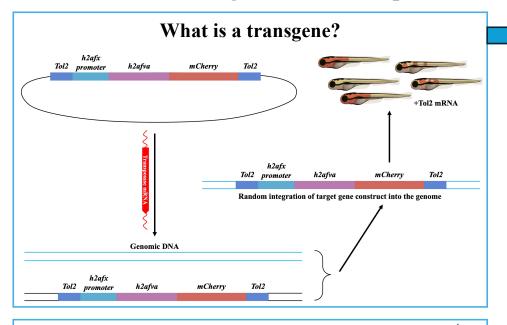
Tagmentation-based genomic mapping of Tol2 transgene insertion sites in zebrafish Paige Schneider, Department of Biomedical Genetics, URMC



Why is this significant?

- Identification of insertion sites from heterozygous transgenic lines
- Identification of multiple insertion sites
- Detailed protocol of Tol2Mapping library generation, step-by-step sequencing analysis, and a user-friendly Shiny app

Why map transgene insertion sites?

- 1) Local influences on transgene expression
- 2) Off-target effects at protein-coding genes
- 3) Complications arising from copy number variations

