# Reaching the Full Potential of Gene Editing

AlgenScribe

> **"Inserting gene-sized pieces of DNA into human genome remains an arduous undertaking."**
> David Liu
> March 2026
> nature biotechnology

Value Proposition

## Addressing technological challenges:

- **Boosts Efficiency**: Dramatically increases HDR and gene replacement rates
- **Enhances Precision**: Minimizes nuclease-induced mutations
- **Full-Scale Flexibility**: Edits from single bases to multi-kilobase insertions
- **Versatile Utility**: Spans research, therapeutics, diagnostics, and bioproduction

## Responding to identified needs:

- **Expansive**: Unlocks novel gene replacement programs
- **Flexible**: Targets multiple mutations within a single disease
- **Economical**: Higher yields with reduced synthetic DNA costs
- **Secure**: Maximizes safety by limiting genomic alterations
- **Non-viral**: Bypasses AAV-related delivery constraints.