Therapies are being developed that specifically target ALS/MND-associated genetic mutations.

Therapeutic strategies can include: antisense oligonucleotides, antibody therapy, and gene therapy.

**Antisense Oligonucleotide Therapy**
- Normal gene → correctly formed protein
- Mutated gene → misfolded protein
- Mutated gene treated with ASO → Antisense oligonucleotide (ASO) a small piece of synthetic DNA or RNA, designed to bind to a specific gene
- Block formation of toxic protein

**Antibody Therapy**
- Mutated gene → misfolded protein
- Antibody targeting misfolded protein
- Flags the protein to be eliminated by the body's natural immune system

**Gene Therapy**
- Healthy gene + Viral vector with healthy gene
- Viral vector
- Correctly formed protein