
EVOgenes: Specialized Partner for Gene Therapy Development

- ▶ Gene therapy has evolved as an attractive modality to tackle and/or even cure a broad range of diseases
- ▶ EVOgenes is built on a team with long-standing pharma expertise in various gene therapy-related technologies and indications
- ▶ A broad spectrum of state-of-the-art services enabling gene therapy product development is offered:
 - Design and generation of AAV vectors for a diverse set of therapeutic payloads
 - Non-viral gene delivery solutions (LNPs) for research and non-clinical studies
 - Design and delivery of gene editing tools
 - *In vitro* and *in vivo* studies screening viral and non-viral gene therapy drug candidates
 - Design, execution, and interpretation of non-clinical gene therapy studies

Gene Therapy

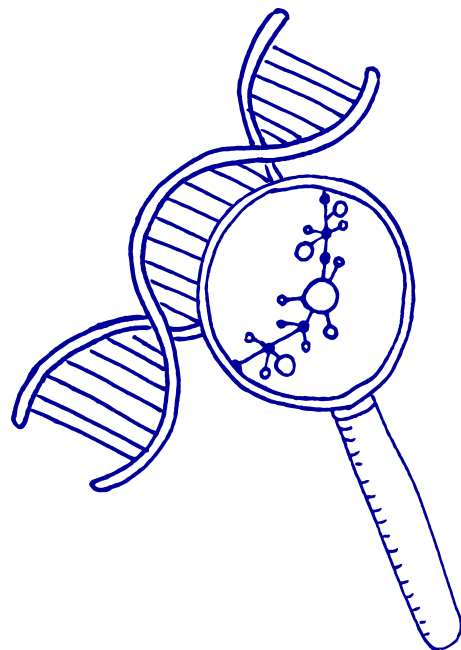
Genetic disorders result from inherited or spontaneous changes in the DNA code (mutations). These changes can lead to the loss of function or gain of toxic function of a protein and subsequent alteration of cellular processes. There are two major types of gene therapy:

Gene Addition

Enable the body to produce a functional protein that it could not adequately make before

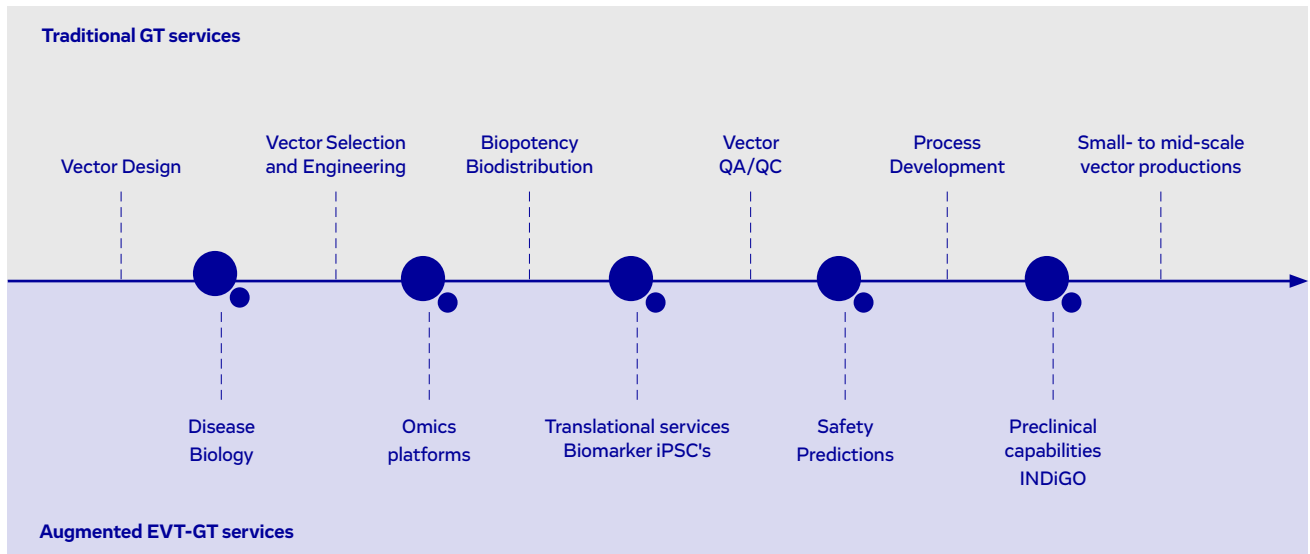
Gene Editing

Directly changing or editing a specific site in the genome, including gene correction/insertion and gene inactivation/disruption



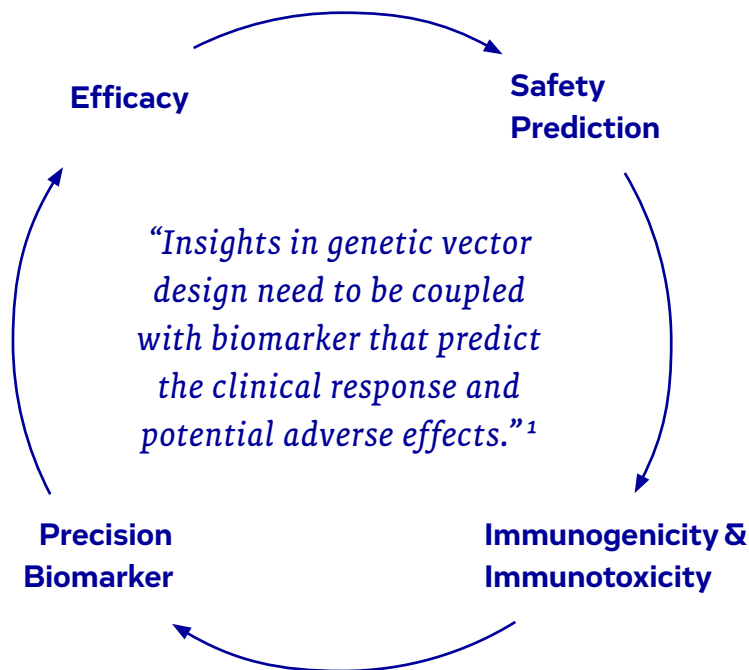


Services across the entire value chain of gene therapy product development



Problem Solving – Challenges and Solutions

At Evotec we take on projects that deal with improving gene therapy technology



¹ <https://www.nature.com/articles/d42473-020-00432-1>