New biotechnological and nanomedicine strategies for treatment of lysosomal storage disorders.

This review discusses the multiple bio- and nanotechnological strategies developed in the last few decades for treatment of lysosomal storage disorders. These strategies include enzymatic replacement therapy, genetic therapy, and drug delivery systems. The review highlights the use of chaperones and multifunctional chimeras as well as targeting strategies and drug carrier approaches. These advancements have the potential to significantly improve the outcomes for patients suffering from lysosomal storage disorders.