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COMPOSITIONS AND METHODS FOR REDUCING RNA LEVELS

Tech ID: 32860 / UC Case 2022-143-0

PATENT STATUS

	Туре	Number	Dated	Case
European Patent Office	Published Application	4544045	04/30/2025	2022-143
Additional Patent Pending				
BRIEF DESCRIPTION				
Human diseases that follow a dominar	at negative inheritance pattern present a great	challenge for treatment u	using gene therapy meth	nods. In such cases, a copy
of an allele is inherited from each pare	nt: one is a pathogenic allele causing a diseas	se phenotype (e.g., by exe	erting a toxic, gain-of-fu	unction effect) and the
ther is a wild-type (non-pathogenic) a	allele. Allele-specific targeting is especially ir	nportant when the wild-t	ype allele is crucial to n	normal function, e.g., the
vild-type allele encodes a protein who	se function is critical. There is therefore a new	ed for compositions and	methods of allele-specif	fic gene editing.
IC Berkeley researchers have created	methods and systems for reducing the level of	of an RNA transcript from	n a target nucleic acid ii	n an allele-specific
be berkeley researchers have created				

SUGGESTED USES

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INVENTORS

» Lareau, Liana F.

OTHER INFORMATION

CATEGORIZED AS

» Medical

» Gene Therapy

» Research Tools

>> Therapeutics

» Research Tools

» Nucleic Acids/DNA/RNA

RELATED CASES

2022-143-0

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

Methods and Compositions for the Treatment of Huntington's Disease



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