(SD2016-077) Patented Technology: Cas9 polypeptides which target RNA and method of using them are provided

Tech ID: 27089 / UC Case 2016-077-0

BACKGROUND

Researchers at University of California, San Diego invented and patented a technology that establishes RCas9 as a means to track RNA in living cells in a programmable manner without genetically encoded tags, and may open doors to new treatments for many conditions, from cancer to autism.

Presently, UCSD is offering to license **patent rights in the United States** and other countries listed below:

Patent No.	Country
11,667,903	UNITED STATES
2016359629	AUSTRALIA
1261890	HONG KONG
20220402347	GREECE
502022000075798	ITALY
602016075935.7	GERMANY
2930643	SPAIN
3380613	AUSTRIA
3380613	FRANCE
3380613	UNITED KINGDOM
3380613	NETHERLANDS
3380613	PORTUGAL

TECHNOLOGY DESCRIPTION

RNA-targeting Cas9 enables tracking of endogenous, untagged mRNA, establishing CRISPR/Cas9 as a programmable system to recognize RNA in live cells.

RELATED MATERIALS

- Nelles DA, Fang MY, O'Connell MR, Xu JL, Markmiller SJ, Doudna JA, Yeo GW. Programmable RNA Tracking in Live Cells with CRISPR/Cas9. Cell. 2016 Apr 7;165(2):488-96. - 04/07/2016
- (VIDEO) How to Target RNA in Live Cells using CRISPR-Cas9, with Dr. Gene Yeo of UC San Diego

PATENT STATUS

Country	Type	Number	Dated	Case
Patent Cooperation Treaty	Published Application	2017091630	06/01/2017	2016-077

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OTHER INFORMATION

KEYWORDS

CRISP-Cas9, gene editing, RNA tracking

CATEGORIZED AS

- **Medical**
  - Diagnostics
  - Imaging
  - Research Tools

RELATED CASES

2016-077-0

Additional Patent Pending

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