UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): July 9, 2020

Stoke Therapeutics, Inc.

(Exact Name of Registrant as Specified in its Charter)

Delaware(State or other jurisdiction of incorporation or organization)

001-38938 (Commission File Number) 47-114582 (I.R.S. Employer Identification No.)

45 Wiggins Ave Bedford, Massachusetts (Address of principal executive offices)

01730 (Zip Code)

Registrant's telephone number, including area code: (781) 430-8200

Not Applicable (Former Name or Former Address, if Changed Since Last Report)				
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	ck the appropriate box below if the Form 8-K filing is intendowing provisions:	led to simultaneously satisfy the	filing obligation of the registrant under any of the	
	Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)			
	Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)			
	Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))			
	Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))			
Securities registered pursuant to Section 12(b) of the Act:				
Title of each class		Trading Symbol(s)	Name of each exchange on which registered	
Common Stock, \$0.0001 par value per share STOK Nasda			Nasdaq Global Select Market	

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company ⊠

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. \Box

Item 7.01 Regulation FD Disclosure.

On July 9, 2020, Stoke Therapeutics, Inc. (the "Company") issued a press release announcing the publication of data supporting the Company's proprietary approach to precisely upregulate protein expression using TANGO (Targeted Augmentation of Nuclear Gene Output) antisense oligonucleotides (ASOs). A copy of the press release is attached as Exhibit 99.1 to this report.

The information in this Item 7.01 and the exhibit attached to this report as Exhibit 99.1 are being furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended ("Exchange Act"), or otherwise subject to the liabilities of that section, nor shall they be deemed incorporated by reference into any other filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

Item 8.01 Other Events.

On July 9, 2020, the Company announced the publication of data in the Journal *Nature Communications* supporting the Company's proprietary approach to precisely upregulate protein expression using TANGO (Targeted Augmentation of Nuclear Gene Output) antisense oligonucleotides (ASOs).

To evaluate the approach broadly, the Company selected four gene targets that vary in type and abundance of non-productive splicing events, gene size and protein function: PCCA (propionic acidemia); SYNGAP1 (autosomal dominant mental retardation 5); CD274 (autoimmune diseases, including uveitis); and SCN1A (Dravet syndrome). The Company designed TANGO ASOs to target the non-productive splicing events in these genes and their activity was evaluated. Dose-dependent reductions of non-productive mRNA were observed to lead to increases in both productive mRNA and protein levels for each of the target genes.

This report contains "forward-looking" statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, including, but not limited to: our expectations about the Company's proprietary approach to precisely upregulate protein expression using TANGO ASOs and the potential benefits thereof. These forward-looking statements may be accompanied by such words as "aim," "anticipate," "believe," "could," "estimate," "expect," "forecast," "goal," "intend," "may," "might," "plan," "potential," "possible," "will," "would," and other words and terms of similar meaning. These forward-looking statements involve risks and uncertainties, as well as assumptions, which, if they do not fully materialize or prove incorrect, could cause our results to differ materially from those expressed or implied by such forward-looking statements. These statements involve risks and uncertainties that could cause actual results to differ materially from those reflected in such statements, including: risks related to the direct and indirect impact of COVID-19; our ability to develop, obtain regulatory approval for and commercialize current and future product candidates; the timing and results of preclinical studies and clinical trials; the risk that positive results in a clinical trial may not be replicated in subsequent trials or success in early stage clinical trials may not be predictive of results in later stage clinical trials; risks associated with clinical trials, including our ability to adequately manage clinical activities, unexpected concerns that may arise from additional data or analysis obtained during clinical trials; the risk that regulatory authorities may require additional information or further studies, or may fail to approve or may delay approval of our drug candidates; risks related to the occurrence of adverse safety events; risks related to failure to protect and enforce our intellectual property, and other proprietary rights; risks related to failure to successfully execute or realize the anticipated benefits of our strategic and growth initiatives; risks relating to technology failures or breaches; our dependence on collaborators and other third parties for the development, regulatory approval, and commercialization of products and other aspects of our business, which are outside of our full control; risks associated with current and potential delays, work stoppages, or supply chain disruptions caused by the coronavirus pandemic; risks associated with current and potential future healthcare reforms; risks relating to attracting and retaining key personnel; failure to comply with legal and regulatory requirements; risks relating to access to capital and credit markets; environmental risks; risks relating to the use of social media for our business; and the other risks and uncertainties that are described in the Risk Factors section of our most recent annual or quarterly report and in other reports we have filed with the U.S. Securities and Exchange Commission. These statements are based on our current beliefs and expectations and speak only as of the date of this press release. We do not undertake any obligation to publicly update any forward-looking statements.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit

Number Description

99.1 Press release issued by Stoke Therapeutics, Inc., dated July 9, 2020.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

STOKE THERAPEUTICS, INC.

Date: July 9, 2020 By: /s/ Stephen J. Tulipano

Stephen J. Tulipano Chief Financial Officer

Stoke Therapeutics Announces Publication of Data in the Journal *Nature Communications* That Support the Company's Proprietary Approach to Addressing Severe Genetic Diseases by Precisely Upregulating Protein Expression

Stoke's TANGO antisense oligonucleotides showed dose-dependent reductions in non-productive mRNA and increases in both productive mRNA and protein levels from genes of diverse size, type and function

BEDFORD, Mass., July 9, 2020 - Stoke Therapeutics, Inc. (Nasdaq: STOK), a biotechnology company pioneering a new way to treat the underlying cause of severe genetic diseases, today announced the publication of data in the journal *Nature Communications* that support the company's proprietary approach to precisely upregulate protein expression using TANGO (Targeted Augmentation of Nuclear Gene Output) antisense oligonucleotides (ASOs).

"Stoke was founded on the idea that we could use unique insights in RNA biology to do something that has never been done before," said Isabel Aznarez, Ph.D., Co-Founder and Vice President, Head of Biology of Stoke Therapeutics and the corresponding author on the paper. "Rather than address genetic diseases by replacing, repairing or editing faulty genes, we set out to increase – or stoke – protein output from healthy genes. These data show that we can increase full-length, fully functional protein expression from a variety of healthy genes, which supports our hypothesis and may lead to a new way of treating severe genetic diseases."

To evaluate the approach broadly, Stoke selected four gene targets that vary in type and abundance of non-productive splicing events, gene size and protein function: *PCCA* (propionic acidemia); *SYNGAP1* (autosomal dominant mental retardation 5); *CD274* (autoimmune diseases, including uveitis); and *SCN1A* (Dravet syndrome). Stoke designed TANGO ASOs to target the non-productive splicing events in these genes and their activity was evaluated. Dose-dependent reductions of non-productive mRNA were observed to lead to increases in both productive mRNA and protein levels for each of the target genes.

More than 10,000 genetic diseases are caused by mutations in a single gene, however, current therapeutic approaches address as few as 5% of these diseases. In the experiments published today, a proprietary bioinformatics analysis of RNA sequencing datasets was used to identify a variety of non-productive alternative-splicing events that lead to mRNA degradation and limit protein production. Stoke found 7,757 unique genes that contained at least one non-productive event, of which 16% (1,246) were associated with causing a specific disease.

A link to the publication, "Antisense oligonucleotide modulation of non-productive alternative splicing upregulates gene expression," can be found here: https://www.nature.com/articles/s41467-020-17093-9

Pre-mRNA Splicing and TANGO

Human cells naturally regulate protein production to maintain health. Pre-mRNA splicing, including alternative splicing, is an important mechanism used to regulate how much protein and which protein variant is produced. During splicing, introns are removed and exons are joined together to generate the mRNA template that carries the code to synthesize proteins. More than one third of alternative splicing events in mammals do not produce functional proteins and lead to mRNA degradation through nonsense-mediated mRNA decay (NMD). TANGO ASOs act at the pre-mRNA level and prevent non-productive alternative splicing so that the body produces more protein-coding mRNA and thus more protein. This approach is particularly applicable to diseases that are caused by insufficient protein production.

About Stoke Therapeutics

Stoke Therapeutics, Inc. (Nasdaq: STOK), is a biotechnology company pioneering a new way to treat the underlying causes of severe genetic diseases by precisely upregulating protein expression to restore target proteins to near normal levels. Stoke aims to develop the first precision medicine platform to target the underlying cause of a broad spectrum of genetic diseases in which the patient has one healthy copy of a gene and one mutated copy that fails to produce a protein essential to health. These diseases, in which loss of approximately 50% of normal protein

expression causes disease, are called autosomal dominant haploinsufficiencies. The company's lead investigational new medicine is STK-001, a proprietary antisense oligonucleotide (ASO) that has the potential to be the first disease-modifying therapy to address the genetic cause of Dravet syndrome, a severe and progressive genetic epilepsy. Stoke is headquartered in Bedford, Massachusetts with offices in Cambridge, Massachusetts. For more information, visit https://www.stoketherapeutics.com/ or follow the company on Twitter at @StokeTx.

Forward-Looking Statements

This press release contains "forward-looking" statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, including, but not limited to: our expectations about Company's proprietary approach to precisely upregulate protein expression using TANGO ASOs and the potential benefits thereof. These forward-looking statements may be accompanied by such words as "aim," "anticipate," "believe," "could," "estimate," "expect," "forecast," "goal," "intend," "may," "might," "plan," "potential," "possible," "will," "would," and other words and terms of similar meaning. These forward-looking statements involve risks and uncertainties, as well as assumptions, which, if they do not fully materialize or prove incorrect, could cause our results to differ materially from those expressed or implied by such forward-looking statements. These statements involve risks and uncertainties that could cause actual results to differ materially from those reflected in such statements, including: risks related to the direct and indirect impact of COVID-19; our ability to develop, obtain regulatory approval for and commercialize current and future product candidates; the timing and results of preclinical studies and clinical trials; the risk that positive results in a clinical trial may not be replicated in subsequent trials or success in early stage clinical trials may not be predictive of results in later stage clinical trials; risks associated with clinical trials, including our ability to adequately manage clinical activities, unexpected concerns that may arise from additional data or analysis obtained during clinical trials; the risk that regulatory authorities may require additional information or further studies, or may fail to approve or may delay approval of our drug candidates; risks related to the occurrence of adverse safety events; risks related to failure to protect and enforce our intellectual property, and other proprietary rights; risks related to failure to successfully execute or realize the anticipated benefits of our strategic and growth initiatives; risks relating to technology failures or breaches; our dependence on collaborators and other third parties for the development, regulatory approval, and commercialization of products and other aspects of our business, which are outside of our full control; risks associated with current and potential delays, work stoppages, or supply chain disruptions caused by the coronavirus pandemic; risks associated with current and potential future healthcare reforms; risks relating to attracting and retaining key personnel; failure to comply with legal and regulatory requirements; risks relating to access to capital and credit markets; environmental risks; risks relating to the use of social media for our business; and the other risks and uncertainties that are described in the Risk Factors section of our most recent annual or quarterly report and in other reports we have filed with the U.S. Securities and Exchange Commission. These statements are based on our current beliefs and expectations and speak only as of the date of this press release. We do not undertake any obligation to publicly update any forward-looking statements.

Stoke Media & Investor Contact:

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