

**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 12, 2022**

**MyMD Pharmaceuticals, Inc.**

(Exact name of Registrant as specified in its charter)

**New Jersey**  
(State or other jurisdiction  
of incorporation)

**001-36268**  
(Commission  
File No.)

**22-2983783**  
(IRS Employer  
Identification No.)

**MyMD Pharmaceuticals, Inc.**  
**855 N. Wolfe Street, Suite 623**  
**Baltimore, MD 21205**  
(Address of principal executive offices and zip code)

Registrant's telephone number, including area code: **(856) 848-8698**

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- 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, no par value per share	MYMD	The Nasdaq Capital 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.

**Item 7.01 Regulation FD Disclosure.**

On July 12, 2022, MyMD Pharmaceuticals, Inc. (the “*Company*”) issued a press release announcing a collaboration with Bascom Palmer Eye Institute for the purpose of conducting a pre-clinical study of the Company’s MYMD-10 product candidate as a potential treatment for traumatic optic neuropathy. A copy of the press release is furnished as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated by reference herein. The Company undertakes no obligation to update, supplement or amend the materials attached hereto as Exhibit 99.1.

In accordance with General Instruction B.2 of Form 8-K, the information in this Item 7.01 of this Current Report on Form 8-K, including Exhibit 99.1, shall not be deemed “filed” for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “*Exchange Act*”), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Exchange Act or the Securities Act of 1933, as amended, except as shall be expressly set forth by reference in such a filing. Furthermore, the furnishing of information under Item 7.01 of this Current Report on Form 8-K is not intended to constitute a determination by the Company that the information contained herein, including the exhibits hereto, is material or that the dissemination of such information is required by Regulation FD.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits

<b>Exhibit Number</b>	<b>Description</b>
99.1	<a href="#">Press Release, dated July 12, 2022 (furnished herewith pursuant to Item 7.01)</a>
104	Cover Page Interactive Data File (formatted as Inline XBRL)

**SIGNATURES**

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.

**MYMD PHARMACEUTICALS, INC.**

Date: July 12, 2022

By: /s/ Chris Chapman  
Chris Chapman, M.D.  
President

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**MyMD Pharmaceuticals to Collaborate with Bascom Palmer Eye Institute to Study MYMD-1 in Ophthalmic Conditions**

*Bascom Palmer Eye Institute ranked the #1 eye hospital in the United States for 20 years in a row by U.S. News & World Report*

BALTIMORE, MD. – July 12, 2022 – MyMD Pharmaceuticals, Inc.<sup>®</sup> (Nasdaq: MYMD) (“MyMD” or “the Company”), a clinical stage pharmaceutical company committed to developing novel therapies for autoimmune and inflammatory conditions, announced today that it has entered into a material transfer agreement (MTA) with Bascom Palmer Eye Institute of Miami, Florida to collaborate on a pre-clinical study using MYMD-1 as a potential treatment for traumatic optic neuropathy (TON). The project is fully funded by Bascom Palmer Eye Institute.

TON is a condition caused by injury to the optic nerve, resulting in partial or complete vision loss. Visual impairment is usually caused by blunt force trauma to the head. The reported incidence of TON ranges from 1.5% to 4% following head trauma<sup>1</sup>, and each year an estimated 2.8 million Americans sustain a traumatic brain injury<sup>2</sup>.

Chris Chapman, MD, President, Director and Chief Medical Officer of MyMD, commented, “We are excited about this agreement with our country’s top eye institute to test our lead drug candidate MYMD-1<sup>®</sup> in ophthalmology. Bascom Palmer is virtually unmatched as a world leader in vision research and care and their interest in MYMD-1 validates our belief in the potential of the drug for autoimmune and inflammatory conditions.”

Dr. David Tse, MD FACS, Professor of Ophthalmology and the Dr. Nasser Ibrahim Al-Rashid Chair in Ophthalmology at Bascom Palmer Eye Institute commented, “Through this partnership with MYMD, we look forward to investigating the potential utility of an oral TNF-alpha inhibitor in animal models of eye-related diseases.”

“Following this initial pre-clinical study, the potential exists to collaborate with Bascom Palmer on large patient studies in the future,” Dr. Chapman continued. “This collaboration reiterates MyMD’s dedication to partnering with top-tier academic institutions to study MYMD-1 as a treatment for various high-impact conditions and diseases.”

**About Bascom Palmer Eye Institute**

With its 60-year history, Bascom Palmer has become a global leader in vision research, education, and clinical care. Bascom Palmer Eye Institute serves as the Department of Ophthalmology for the University of Miami Miller School of Medicine in Miami, Florida. Its mission is to enhance the quality of life by improving sight, preventing blindness, and advancing ophthalmic knowledge through compassionate patient care and innovative research.

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<sup>1</sup> Guy WM, Soparkar CNS, Alford EL, Patrinely JR, Sami MS, Parke RB. Traumatic Optic Neuropathy and Second Optic Nerve Injuries. *JAMA Ophthalmol.* 2014;132(5):567–571. doi:10.1001/jamaophthalmol.2014.82

<sup>2</sup> <https://www.biausa.org/public-affairs/public-awareness/brain-injury-awareness>

Bascom Palmer Eye Institute is ranked the #1 eye hospital in the United States by *U.S. News & World Report*, an honor it has received 20 times. The Institute's ophthalmology residency program is ranked best in the U.S. by Doximity, an online professional network for U.S. physicians. *Ophthalmology Times* ranked Bascom Palmer the best overall ophthalmology program in the nation with the best eye hospital and the best clinical and residency programs. Additionally, many of Bascom Palmer's doctors are listed in Castle Connolly's America's Top Doctors.

#### **About MYMD-1**

Originally developed for autoimmune diseases, MYMD-1 is being studied to slow the aging process, prevent sarcopenia and frailty, and extend healthy lifespan. Because it can cross the blood-brain barrier and gain access to the central nervous system (CNS), MYMD-1 is also positioned to be a possible treatment for brain-related disorders. Its mechanism of action and efficacy in diseases including multiple sclerosis (MS) and thyroiditis have been studied through collaborations with several academic institutions.

MYMD-1 has shown effectiveness in pre-clinical and clinical studies in regulating the immune system by performing as a selective inhibitor of tumor necrosis factor-alpha (TNF- $\alpha$ ), a driver of chronic inflammation. Unlike other therapies, MYMD-1 has been shown in these studies to selectively block TNF- $\alpha$  when it becomes overactivated in autoimmune diseases and cytokine storms, but not block it from doing its normal job of being a first responder to any routine type of moderate infection. MYMD-1's ease of oral dosing is another differentiator compared to currently available TNF- $\alpha$  blockers, all of which require delivery by injection or infusion. No approved TNF inhibitor has ever been dosed orally. In addition, the drug is not immunosuppressive and has not been shown to cause the serious side effects common with traditional therapies that treat inflammation.

#### **About MyMD Pharmaceuticals, Inc.**

MyMD Pharmaceuticals, Inc. (Nasdaq: MYMD), a clinical stage pharmaceutical company committed to developing novel therapies for autoimmune and inflammatory conditions, is focused on developing two novel therapeutic platforms that treat the causes of disease rather than only addressing the symptoms. MYMD-1 is a drug platform based on a clinical stage small molecule that regulates the immune system to control TNF- $\alpha$ , which drives chronic inflammation, and other pro-inflammatory cell signaling cytokines. MYMD-1 is being developed to delay aging, increase longevity, and treat autoimmune diseases. The Company's second drug platform, Supera-CBD, is being developed to treat chronic pain, addiction and epilepsy. Supera-CBD is a novel synthetic analog of cannabidiol (CBD) and is being developed to address and improve upon the rapidly growing CBD market, which includes both FDA approved drugs and CBD products not currently regulated as drugs. For more information, visit [www.mymd.com](http://www.mymd.com).

### **Cautionary Statement Regarding Forward-Looking Statements**

This press release may contain forward-looking statements. These forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements to be materially different from any expected future results, performance, or achievements. Forward-looking statements speak only as of the date they are made and none of MyMD nor its affiliates assume any duty to update forward-looking statements. Words such as “anticipate,” “believe,” “could,” “estimate,” “expect,” “may,” “plan,” “will,” “would” and other similar expressions are intended to identify these forward-looking statements. Important factors that could cause actual results to differ materially from those indicated by such forward-looking statements include, without limitation: the timing of, and MyMD’s ability to, obtain and maintain regulatory approvals for clinical trials of MyMD’s pharmaceutical candidates; the timing and results of MyMD’s planned clinical trials for its pharmaceutical candidates; the amount of funds MyMD requires for its pharmaceutical candidates; increased levels of competition; changes in political, economic or regulatory conditions generally and in the markets in which MyMD operates; MyMD’s ability to retain and attract senior management and other key employees; MyMD’s ability to quickly and effectively respond to new technological developments; MyMD’s ability to protect its trade secrets or other proprietary rights, operate without infringing upon the proprietary rights of others and prevent others from infringing on MyMD’s proprietary rights; and the impact of the ongoing COVID-19 pandemic on MyMD’s results of operations, business plan and the global economy. A discussion of these and other factors with respect to MyMD is set forth in the Company’s Annual Report on Form 10-K for the year ended December 31, 2021, filed by MyMD on March 31, 2022. Forward-looking statements speak only as of the date they are made and MyMD disclaims any intention or obligation to revise any forward-looking statements, whether as a result of new information, future events or otherwise.

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