

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): **January 27, 2021**

Heat Biologics, Inc.

(Exact name of registrant as specified in charter)

Delaware

(State or other jurisdiction of incorporation)

001-35994

(Commission File Number)

26-2844103

(IRS Employer Identification No.)

**627 Davis Drive, Suite 400
Morrisville, North Carolina 27560**

(Address of principal executive offices and zip code)

(919) 240-7133

(Registrant's telephone number including area code)

N/A

(Former Name and 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 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(b) 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, \$0.0002 par value per share	HTBX	The Nasdaq Stock Market (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 checkmark 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 8.01. Other Events.

On January 27, 2021, Heat Biologics, Inc. (the “Company”) issued a press release announcing the publication of additional preclinical COVID-19 results in *Frontiers in Immunology*, a leading peer reviewed journal. The publication highlights additional data sets around memory T-cells that builds upon data previously reported and published in bioRxiv. Specifically, the new data demonstrates polyfunctional, anti-viral cytokine releasing, Spike protein specific CD8+ and CD4+ T-cell memory responses in the lungs and spleen of immunized animals, observed 30 days post single vaccination. Additionally, memory CD8+ T-cell responses were observed 60 days post vaccination in the lungs of mice.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

The following exhibit is filed with this Current Report on Form 8-K.

Exhibit Number	Exhibit Description
99.1	Heat Biologics, Inc. Press Release



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.

Dated: January 27, 2021

HEAT BIOLOGICS, INC.

By: /s/ Jeffrey Wolf
Name: Jeffrey Wolf
Title: Chairman, President and
Chief Executive Officer



Heat Biologics Announces Publication of Additional Preclinical COVID-19 Vaccine Results

Spike specific CD8+ and CD4+ T-cell memory responses observed 30- and 60- days post vaccination

Durham, NC – January 27, 2021 – Heat Biologics, Inc. (“Heat”) (NASDAQ: HTBX), a clinical-stage biopharmaceutical company focused on developing first-in-class therapies to modulate the immune system, including multiple oncology product candidates and a novel COVID-19 vaccine, announces the publication of additional preclinical COVID-19 results in *Frontiers in Immunology*, a leading peer reviewed journal, which is available [online](#).

The publication highlights additional data sets around memory T-cells that builds upon data [previously reported](#) and published in [bioRxiv](#). Specifically, the new data demonstrates polyfunctional, anti-viral cytokine releasing, Spike protein specific CD8+ and CD4+ T-cell memory responses in the lungs and spleen of immunized animals, observed 30 days post single vaccination. Additionally, memory CD8+ T-cell responses were observed 60 days post vaccination in the lungs of mice.

The new data points to the significance of lung tissue-resident memory T-cells which are required for clearance of respiratory virus infections. Vaccination strategies that target generation of tissue-resident memory T-cells and their persistence may provide enhanced immunity compared with vaccines that rely on circulating responses.

Jeff Wolf, Heat’s CEO, commented, "We are excited to announce the publication of this latest data, further reinforcing the potential of our COVID-19 vaccine to induce a durable cellular immune response and protect against reinfection."

About Heat Biologics, Inc.

Heat Biologics is a biopharmaceutical company focused on developing first-in-class therapies to modulate the immune system. The company's gp96 platform is designed to activate immune responses against cancer or pathogenic antigens. The Company has multiple product candidates in development leveraging the gp96 platform, including HS-110, which has completed enrollment in its Phase 2 trial, HS-130 in Phase 1, and a COVID-19 vaccine program in preclinical development. In addition, Heat is also developing a pipeline of proprietary immunomodulatory antibodies, including PTX-35 which is enrolling in a Phase 1 trial.

For more information, please visit: www.heatbio.com, and also follow us on [Twitter](#).

Forward Looking Statement

This press release includes forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 on our current expectations and projections about future events. In some cases, forward-looking statements can be identified by terminology such as "may," "should," "potential," "continue," "expects," "anticipates," "intends," "plans," "believes," "estimates," and similar expressions. These statements are based upon current beliefs, expectation, and assumptions and include statements such as vaccination strategies that target generation of tissue-resident memory T-cells and their persistence providing enhanced immunity compared with vaccines that rely on circulating responses and the potential of our COVID-19 vaccine to induce a durable cellular immune response and protect against reinfection. These statements are subject to a number of risks and uncertainties, many of which are difficult to predict, including the ability of Heat's vaccine platform to provide protection against COVID-19 and induce a durable cellular immune response and protect against reinfection, the ability of Heat's therapies to perform as designed, to demonstrate safety and efficacy, as well as results that are consistent with prior results, the ability to enroll patients and complete the clinical trials on time and achieve desired results and benefits, especially in light of COVID-19, Heat's ability to obtain regulatory approvals for commercialization of product candidates or to comply with ongoing regulatory requirements, regulatory limitations relating to Heat's ability to promote or commercialize its product candidates for specific indications, acceptance of its product candidates in the marketplace and the successful development, marketing or sale of products, Heat's ability to maintain its license agreements, the continued maintenance and growth of its patent estate, its ability to establish and maintain collaborations, its ability to obtain or maintain the capital or grants necessary to fund its research and development activities, its ability to continue to maintain its listing on the Nasdaq Capital Market and its ability to retain its key scientists or management personnel, and the other factors described in Heat's most recent annual report on Form 10-K filed with the SEC, and other subsequent filings with the SEC. The information in this release is provided only as of the date of this release, and Heat undertakes no obligation to update any forward-looking statements contained in this release based on new information, future events, or otherwise, except as required by law.

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