
**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): February 26, 2024

Allakos Inc.

(Exact name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-38582
(Commission File Number)

45-4798831
(IRS Employer
Identification No.)

825 Industrial Road, Suite 500
San Carlos, California
(Address of Principal Executive Offices)

94070
(Zip Code)

Registrant's Telephone Number, Including Area Code: 650 597-5002

(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, par value \$0.001	ALLK	The 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.

Item 8.01 Other Events.

On February 26, 2024, Allakos Inc. (the “Company”) issued a press release announcing a poster presentation at the 2024 American Academy of Allergy, Asthma & Immunology (AAAAI) Annual Meeting. The poster highlights preclinical data detailing AK006’s mechanism of action and ability to reduce MRGPRX2-induced skin inflammation. The full text of the press release is attached as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number	Description
99.1	Press Release dated February 26, 2024.
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

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.

Allakos Inc.

Date: February 26, 2024

By: /s/ H. Baird Radford, III

H. Baird Radford, III
Chief Financial Officer

Allakos Presents Preclinical Data Highlighting Inhibition of MRGPRX2-Mediated Mast Cell Activation with AK006 at AAAAI 2024

- Atopic dermatitis and prurigo nodularis skin lesions show evidence of MRGPRX2 mast cell activation and activated macrophages –
- AK006 inhibited mast cell activation and reduced mast cell numbers in an MRGPRX2-induced skin inflammation model –

SAN CARLOS, Calif., February 26, 2024 (GLOBE NEWSWIRE) -- Allakos Inc. (Nasdaq: ALLK), a clinical-stage biotechnology company developing therapeutics that target immunomodulatory receptors present on immune effector cells involved in allergy, inflammatory and proliferative diseases, today announced a poster presentation at the 2024 American Academy of Allergy, Asthma & Immunology (AAAAI) Annual Meeting. The poster highlights preclinical data detailing AK006's mechanism of action and ability to reduce MRGPRX2-induced skin inflammation.

Inappropriate mast cell activation, via IgE-dependent and IgE-independent pathways, has been implicated in the pathogenesis of multiple inflammatory skin diseases. IgE-dependent mast cell activation has been identified as a pathogenic driver of chronic spontaneous urticaria and food allergy and agents which target this pathway have demonstrated therapeutic activity. More recently, mast cell activation through MRGPRX2, an IgE independent mast cell activation pathway, has been implicated in the pathogenesis of chronic spontaneous urticaria, atopic dermatitis and prurigo nodularis.

AAAAI Presentation Details:

The poster, titled: "MRGPRX2-Mediated Mast Cell Activation is a Shared Pathogenic Mechanism in Atopic Dermatitis and Prurigo Nodularis Patients that can be Inhibited by Siglec-6" was presented on Friday, February 23rd, key findings include:

- IgE-independent mast cell activation, via MRGPRX2, has been implicated in atopic dermatitis and prurigo nodularis disease pathogenesis
- Atopic dermatitis and prurigo nodularis skin lesions contain mast cells displaying signs of MRGPRX2 activation, as well as elevated and activated macrophages
- AK006 has a dual mechanism of action that inhibits mast cells and reduces mast cells via antibody dependent cellular phagocytosis (ADCP) in the presence of activated macrophages
- In an MRGPRX2-induced skin inflammation model, AK006 reduced skin inflammation and reduced mast cells numbers via ADCP
- By broadly inhibiting and reducing mast cells, AK006 has the potential to treat inflammatory skin diseases, such as atopic dermatitis, prurigo nodularis, and chronic spontaneous urticaria

The data presented Friday add to previous published preclinical data demonstrating that AK006 inhibits both IgE-dependent and IgE-independent mast cell activation and can reduce mast cell numbers at sites of inflammation where activated macrophages are found.

The poster is both available on the AAAAI website (Abstract ID: 191) as well as Allakos Scientific Presentations [page](#).

About AK006

AK006 is a humanized IgG1 monoclonal antibody which activates the inhibitory receptor Siglec-6. Siglec-6 is a member of the family of cell surface receptors called Sialic acid-binding immunoglobulin-like lectins (Siglecs). Siglec-6 is expressed primarily on the surface of mature mast cells. Siglec-6 contains intracellular immunoreceptor tyrosine-based inhibitory motifs (ITIMs) which, when activated, recruit phosphatases that work to oppose activating signals driven by kinase signaling cascades. Because of this opposition to multiple activation pathways, AK006 has the potential to inhibit multiple modes of mast cell activation and has demonstrated preclinical inhibition of mast cell activation by IgE and through MRGPRX2 and KIT receptors. ITIM bearing receptors have important roles in regulating the immune system and therapeutics targeting ITIM bearing receptors, such as PD-1 and Siglec-10, have demonstrated therapeutic activity in oncology and immunology.

AK006 appears to drive deep mast cell inhibition and, in addition to its inhibitory activity, can reduce mast cell numbers via antibody-dependent cellular phagocytosis in the presence of activated macrophages. AK006 is currently being tested in a Phase 1 study in healthy volunteers and will begin dosing in early 2Q 2024 in patients with chronic spontaneous urticaria. Results from the Phase 1 study are expected throughout 2024.

About Allakos

Allakos is a clinical stage biotechnology company developing therapeutics that target immunomodulatory receptors present on immune effector cells involved in allergy, inflammatory and proliferative diseases. Activating these immunomodulatory receptors allows for the direct targeting of cells involved in disease pathogenesis and, in the setting of allergy and inflammation, has the potential to result in broad inhibition of inflammatory cells. The Company's most advanced antibody in ongoing clinical development is AK006. AK006 targets Siglec-6, an inhibitory receptor expressed on mast cells. Mast cells are widely distributed in the body and play a central role in the inflammatory response. Inappropriately activated mast cells have been identified as key drivers in a number of severe diseases affecting the gastrointestinal tract, eyes, skin, lungs and other organs. In preclinical studies, AK006 appears to provide deep mast cell inhibition and, in addition to its inhibitory activity, reduce mast cell numbers. For more information, please visit the Company's website at www.allakos.com.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 as contained in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Such forward-looking statements include, but are not limited to, Allakos' progress, business plans, areas of focus and preclinical research; the potential of AK006; and Allakos' anticipated milestones. Such statements are subject to numerous important factors, risks and uncertainties that may cause actual events or results to differ materially from current expectations and beliefs, including but not limited to: Allakos' stages of clinical drug development; Allakos' ability to timely initiate and complete clinical trials for AK006; Allakos' ability to obtain required regulatory approvals for its clinical trials; uncertainties related to the enrollment of patients in its clinical trials; Allakos' ability to demonstrate sufficient safety and efficacy of its product candidates in its clinical trials; uncertainties related to the success of clinical trials, regardless of the outcomes of preclinical testing or early-stage trials; Allakos' ability to advance additional product

candidates beyond AK006; uncertainties related to Allakos' ability to realize the contemplated benefits of its restructuring and related reduction in force; Allakos' ability to accurately forecast financial results; Allakos' ability to obtain additional capital to finance its operations, research and drug development; general economic and market conditions, both domestic and international; domestic and international regulatory obligations; and other risks. Information regarding the foregoing and additional risks may be found in the section entitled "Risk Factors" in documents that Allakos files from time to time to with the SEC. These documents contain and identify important factors that could cause the actual results for Allakos to differ materially from those contained in Allakos' forward-looking statements. Any forward-looking statements contained in this press release speak only as of the date hereof, and Allakos specifically disclaims any obligation to update any forward-looking statement, except as required by law. These forward-looking statements should not be relied upon as representing Allakos' views as of any date subsequent to the date of this press release.

Source: Allakos Inc.

Investor Contact:

Adam Tomasi, President

Alex Schwartz, VP Strategic Finance and Investor Relations

ir@allakos.com

Media Contact:

Denise Powell

denise@redhousecomms.com
