

Filed by Flex Pharma, Inc.
pursuant to Rule 425 under the Securities Act of 1933
and deemed filed pursuant to Rule 14a-6(b)
under the Securities Exchange Act of 1934

Form S-4 File No.: 333-229666
Subject Company: Salarius Pharmaceuticals, LLC
SEC File No.: 001-36812

Flex Pharma, Inc. intends to send the following communication to certain of its stockholders.

[Greeting],

I spoke to our proxy solicitor and it told me that it believes that your shares are held in your broker's name so I cannot send your [voting] [proxy] card directly. Instead, you will need to [contact and] instruct your broker to vote on your behalf. Is that possible? [You are a significant stockholder of Flex so] [y]our vote is important to us. With that being said, below is information on the proposed merger. As noted below and in the proxy materials, we ask that you please vote FOR proposals 1, 2, 3, and 4, ALL of which are needed to support the merger. Please let me know if you have any questions or would like to speak to our [CEO] [CFO].

Thank you for the time and support,

[Name]

A link to the press release announcing the merger:

<https://flexpharmainc.gcs-web.com/news-releases/news-release-details/flex-pharma-and-saliarius-pharmaceuticals-announce-merger>

A link to the final prospectus related to the merger:

<https://flexpharmainc.gcs-web.com/node/8881/html>

[Insert links to, or copies of, other communications filed with the SEC, which may include the following documents.]

[A brochure we recently mailed to stockholders:

<https://flexpharmainc.gcs-web.com/node/8911/html>

[The letter we sent to stockholders this week:

<https://flexpharmainc.gcs-web.com/node/8926/html>

Additional Information and Where to Find It

This communication may be deemed to be solicitation material in respect of the proposed transaction. In connection with the proposed transaction, Flex Pharma filed with the Securities and Exchange Commission (SEC) a registration statement on Form S-4 (File No. 333-229666) containing a proxy statement/prospectus/information statement, which was declared effective by the SEC on April 29, 2019. On April 30, 2019, Flex Pharma filed a definitive proxy statement/prospectus/information statement with the SEC. On or around May 3, 2019, Flex Pharma began mailing the definitive proxy statement/prospectus/information statement to Flex Pharma stockholders of record as of the close of business on April 17, 2019 and members of Salarius. **FLEX PHARMA URGES INVESTORS AND EQUITYHOLDERS OF FLEX PHARMA AND SALARIUS TO READ THE DEFINITIVE PROXY STATEMENT/PROSPECTUS/INFORMATION STATEMENT REGARDING THE PROPOSED TRANSACTION, AS WELL AS OTHER DOCUMENTS FILED OR THAT WILL BE FILED WITH THE SEC, BECAUSE THEY CONTAIN OR WILL CONTAIN IMPORTANT INFORMATION ABOUT FLEX PHARMA, SALARIUS AND THE PROPOSED TRANSACTION.** This communication is not a substitute for the registration statement, definitive proxy statement/prospectus/information statement or any other documents that Flex Pharma has filed or may file with the SEC or send to Flex Pharma or Salarius equityholders in connection with the proposed transaction.

You may obtain free copies of the registration statement, definitive proxy statement/prospectus/information statement and all other documents filed or that will be filed with the SEC regarding the proposed transaction at the website maintained by the SEC, www.sec.gov. Once they are filed, copies of the registration statement and definitive proxy statement/prospectus/information statement will be available free of charge on Flex Pharma's website at www.flex-pharma.com or by contacting John McCabe at jmccabe@flex-pharma.com.

Participants in Solicitation

Flex Pharma, Salarius and their respective directors or managers and executive officers may be deemed to be participants in the solicitation of proxies from the holders of Flex Pharma common stock in connection with the proposed transaction. Information about Flex Pharma's directors and executive officers is set forth in Flex Pharma's Annual Report on Form 10-K for the period ended December 31, 2018, which was filed with the SEC on March 6, 2019, and amended on April 16, 2019. Other information regarding the interests of such individuals, as well as information regarding Salarius' managers and executive officers and other persons who may be deemed participants in the proposed transaction, is set forth in the definitive proxy statement/prospectus/information statement. You may obtain free copies of these documents as described in the preceding paragraph.

Non-Solicitation

This communication shall not constitute an offer to sell or the solicitation of an offer to sell or the solicitation of an offer to buy any securities, nor shall there be any sale of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. No public offer of securities in connection with the merger shall be made except by means of a prospectus meeting the requirements of Section 10 of the Securities Act of 1933, as amended.