

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

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**SCHEDULE 14A**  
(Rule 14a-101)

**INFORMATION REQUIRED IN PROXY STATEMENT  
SCHEDULE 14A INFORMATION**

**Proxy Statement Pursuant to Section 14(a) of the  
Securities Exchange Act of 1934**

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Filed by the Registrant

Filed by a party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))**
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to §240.14a-12

**AVEO PHARMACEUTICALS, INC.**

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if Other Than The Registrant)

Payment of Filing Fee (Check the appropriate box):

- No fee required.
- Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.

(1) Title of each class of securities to which transaction applies:

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(2) Aggregate number of securities to which transaction applies:

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(3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):

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(4) Proposed maximum aggregate value of transaction:

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(5) Total fee paid:

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- Fee paid previously with preliminary materials:
- Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

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(1) Amount Previously Paid:

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(2) Form, Schedule or Registration Statement No.:

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(3) Filing Party:

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(4) Date Filed:

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Preliminary Proxy Statement



\*\*\*\* IMPORTANT REMINDER \*\*\*\*

Dear Fellow AVEO Stockholder:

By now, you should have received your proxy material for the Special Meeting of Stockholders of AVEO Pharmaceuticals, Inc. which is scheduled to be held on February 13, 2020.

Each stockholder's vote is extremely important. There is one proposal on the agenda for the Special Meeting, as discussed further in the proxy statement you should have already received. Your Board of Directors strongly recommends that you vote your shares **FOR** the Reverse Stock Split proposal, which is being proposed to facilitate our ability to regain compliance with Nasdaq's minimum bid price requirements so as to maintain our listing on Nasdaq. This proposal requires a majority of the outstanding shares of AVEO common stock voting in favor in order to pass, so every vote is important.

**WE URGE YOU TO VOTE IN FAVOR OF THE PROPOSAL**

The fastest and easiest way to vote is by telephone or over the Internet. Instructions on how to vote your shares over the telephone or Internet are enclosed with this letter. Alternatively, you may sign and return the enclosed voting form in the envelope provided.

If you sign and return the enclosed voting form without indicating a different choice, your shares will be voted **FOR** this proposal.

*If you have questions or need help voting your shares, please call our proxy solicitation firm, Morrow Sodali LLC, at 800-607-0088.*

Thank you for your investment in AVEO and taking the time to vote your shares.

Sincerely,

Michael P. Bailey  
President and Chief Executive Officer