



IMPORTANT ANNUAL MEETING INFORMATION

Admission Ticket

Electronic Voting Instructions

Available 24 hours a day, 7 days a week!

Instead of mailing your proxy, you may choose one of the voting methods outlined below to vote your proxy.

VALIDATION DETAILS ARE LOCATED BELOW IN THE TITLE BAR.

Proxies submitted by the Internet or telephone must be received by 10:00 a.m., Central Time, on May 8, 2017.

Vote by Internet

- Go to www.investorvote.com/jagx
- Or scan the QR code with your smartphone
- Follow the steps outlined on the secure website

Vote by telephone

- Call toll free 1-800-652-VOTE (8683) within the USA, US territories & Canada on a touch tone telephone
- Follow the instructions provided by the recorded message

Using a **black ink** pen, mark your votes with an **X** as shown in this example. Please do not write outside the designated areas.



Annual Meeting Proxy Card

IF YOU HAVE NOT VOTED VIA THE INTERNET OR TELEPHONE, FOLD ALONG THE PERFORATION, DETACH AND RETURN THE BOTTOM PORTION IN THE ENCLOSED ENVELOPE.

A Proposals — The Board of Directors recommends a vote FOR all the nominees listed and FOR Proposals 2 – 3.

1. Election of two Class II Directors

	For	Withhold		For	Withhold
01 - Jiahao Qiu	<input type="checkbox"/>	<input type="checkbox"/>	02 - John Micek III	<input type="checkbox"/>	<input type="checkbox"/>



2. Proposal to appoint BDO USA, LLP as the independent accounting firm for the fiscal year ending December 31, 2017.

For	Against	Abstain
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Proposal to issue additional shares of our common stock to Aspire Capital Fund, LLC

For	Against	Abstain
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B Non-Voting Items

Change of Address — Please print your new address below.

Comments — Please print your comments below.

Meeting Attendance

Mark the box to the right if you plan to attend the Annual Meeting.

C Authorized Signatures — This section must be completed for your vote to be counted. — Date and Sign Below

Please sign exactly as name(s) appears hereon. Joint owners should each sign. When signing as attorney, executor, administrator, corporate officer, trustee, guardian, or custodian, please give full title.

Date (mm/dd/yyyy) — Please print date below.

Signature 1 — Please keep signature within the box.

Signature 2 — Please keep signature within the box.

2017 Annual Meeting Admission Ticket

2017 Annual Meeting of
Jaguar Animal Health, Inc. Shareholders
Monday, May 8, 2017, 8:00 a.m. Local Time
201 Mission Street, Suite 2375
San Francisco, CA 94105

Upon arrival, please present this admission ticket
and photo identification at the registration desk.

▼ IF YOU HAVE NOT VOTED VIA THE INTERNET OR TELEPHONE, FOLD ALONG THE PERFORATION, DETACH AND RETURN THE BOTTOM PORTION IN THE ENCLOSED ENVELOPE. ▼



Proxy — Jaguar Animal Health, Inc.

Notice of 2017 Annual Meeting of Shareholders

201 Mission Street, Suite 2375, San Francisco, CA 94105

Proxy Solicited by Board of Directors for Annual Meeting - (May 8, 2017)

Lisa Conte and Karen Wright, or either of them, each with the power of substitution, are hereby authorized to represent and vote the shares of the undersigned, with all the powers which the undersigned would possess if personally present, at the Annual Meeting of Stockholders of Jaguar Animal Health, Inc. to be held on May 8, 2017 or at any postponement or adjournment thereof.

THE SHARES REPRESENTED BY THIS PROXY, WHEN PROPERLY EXECUTED, WILL BE VOTED AS DIRECTED HEREIN, OR IF NO SUCH DIRECTION IS INDICATED, WILL BE VOTED "FOR" THE PROPOSALS PRESENTED IN THE PROXY STATEMENT. THE VOTE OF EVERY SHAREHOLDER IS IMPORTANT AND YOUR COOPERATION WILL BE APPRECIATED.

In their discretion, the Proxies are authorized to vote upon such other business as may properly come before the meeting.

(Items to be voted appear on reverse side.)