

HANCOCK JAFFE LABORATORIES, INC.

Annual Meeting of Stockholders

December 6, 2019

HANCOCK JAFFE LABORATORIES, INC.

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

The undersigned stockholder of Hancock Jaffe Laboratories, Inc., (the “Company”), revoking all prior proxies, hereby appoints Robert A. Berman, with full power to act without the other and with power of substitution, as proxy and attorney-in-fact and hereby authorizes him to represent and vote all shares of Common Stock, (the “Common Stock”) of the Company, which the undersigned will be entitled to vote if personally present at the Annual Meeting of Stockholders of the Company to be held on December 6, 2019, at 10:00 a.m. PDT at 70 Doppler, Irvine, CA 92618, and at any adjournment or postponement thereof. Each share of Common Stock is entitled to one vote. The proxies are further authorized to vote, in their discretion, upon such other business as may properly come before the meeting.

ALL PROXIES RECEIVED WILL BE VOTED IN ACCORDANCE WITH THE CHOICES SPECIFIED ON SUCH PROXIES. PROXIES WILL BE VOTED IN FAVOR OF A PROPOSAL IF NO CONTRARY SPECIFICATION IS MADE. ALL VALID PROXIES OBTAINED WILL BE VOTED AT THE DISCRETION OF THE PERSONS NAMED IN THE PROXY WITH RESPECT TO ANY OTHER BUSINESS THAT MAY COME BEFORE THE MEETING. THE BOARD UNANIMOUSLY RECOMMENDS A VOTE “FOR” THE APPROVAL OF EACH OF THE PROPOSALS TO BE SUBMITTED AT THE MEETING.

Please check here if you plan to attend the Annual Meeting of Stockholders on December 6, 2019 at 10:00 a.m. PDT

PLEASE INDICATE YOUR VOTE ON THE REVERSE SIDE

(Continued and to be signed on Reverse Side)