



October 5, 2011

Dear Hemispherx Stockholder,

By now, you should have received your proxy materials for the Hemispherx Biopharma, Inc. 2011 Annual Meeting of Stockholders to be held on October 13, 2011. Holders of Hemispherx' stock as of August 18, 2011 are entitled to vote at this meeting.

The Board of Directors unanimously recommends that stockholders vote "FOR" the proposals as set forth in the Proxy Statement.

Your vote is extremely important. Please vote today!

The fastest way to vote is to use the telephone or internet. **Instructions on how to vote using telephone or internet are located on the voting instruction form you should have received.**

In the United States if you are not in possession of your voting proxy or instruction form, please contact your bank or broker for assistance in obtaining a duplicate control number and then go to www.Proxyvote.com to vote your shares.

Europeans must contact their custodian bank or broker directly as European banks and brokerage houses do not necessarily forward the Proxy materials to stockholders. As we are a Delaware corporation, there is no need for your bank or brokerage house to block your shares. Banks and brokerage houses simply need to certify the number of shares owned by their clients on August 18, 2011 and cast votes on your behalf by October 11, 2011 (7 pm US EDT).

The proxy materials are available at: <http://hemispherx.net/content/investor/annualmeeting.asp>

If you have any questions regarding any of the proposals or how to vote your shares, please call:

- Dianne Will, Investor Relations for Hemispherx, collect at 518-398-6222 or via email at ir@hemispherx.net; or
- Morrow & Co., LLC, Hemispherx' proxy solicitor for the annual meeting, in the U.S. toll free at (800) 607-0088 or London +44-207-222-4645.

We appreciate your participation in the voting process and thank you for taking the time to vote your shares.

Sincerely,

Thomas K. Equels, Secretary
Hemispherx Biopharma, Inc.