March 9, 2017

Xenetic Biosciences to Present at the 29th Annual ROTH Conference

- Presentation with live webcast on Tuesday, March 14th at 11:30 a.m. PT -

LEXINGTON, Mass.--(BUSINESS WIRE)-- Xenetic Biosciences, Inc. (NASDAQ: XBIO) ("Xenetic" or the "Company"), a clinical-stage biopharmaceutical company focused on the discovery, research and development of next-generation biologic drugs and novel orphan oncology therapeutics, announced today that M. Scott Maguire, Xenetic's Chief Executive Officer will present at the 29th Annual ROTH Conference on Tuesday, March 14th at 11:30 a.m. PT in Dana Point, CA.

During his presentation, Mr. Maguire will provide a corporate update and will discuss the Company's license deal with Shire plc (LSE: SHP, NASDAQ: SHPG), a significant stockholder of the Company, along with the clinical status of the product candidate PSA-Recombinant SHP656 (Factor VIII) being developed as a long-acting therapeutic for the treatment of hemophilia utilizing Xenetic's proprietary PolyXen™ platform technology. Xenetic has the potential to receive from Shire up to $100 million in cash milestones plus royalties linked to sales.

Mr. Maguire will also discuss the Company's clinical and regulatory progress for its in-house product candidate, XBIO-101 (sodium cridanimod), currently in development for the treatment of progesterone resistant endometrial cancer.

A live webcast of the presentation will be available by accessing the IR Calendar in the Investors section of Xenetic's website (www.xeneticbio.com). A replay of the webcast will be available for 90 days, starting approximately two hours after the presentation ends.

About Xenetic Biosciences

Xenetic Biosciences, Inc. is a clinical-stage biopharmaceutical company focused on the discovery, research and development of next-generation biologic drugs and novel orphan oncology therapeutics. Xenetic's proprietary drug development platforms include PolyXen™, which enables next generation biologic drugs by improving their half-life and other pharmacological properties. Xenetic's lead investigational product candidates include oncology therapeutic XBIO-101 (sodium cridanimod) for the treatment of progesterone resistant endometrial cancer (EC), and a polysialylated form of erythropoietin for the treatment of anemia in pre-dialysis patients with chronic kidney disease.

Xenetic is also working together with Shire plc (formerly Baxalta, Baxter Incorporated and Baxter Healthcare) to develop a novel series of polysialylated blood coagulation factors, including a next generation Factor VIII. This collaboration relies on Xenetic's PolyXen technology to conjugate polysialic acid ("PSA") to therapeutic blood-clotting factors, with the

goal of improving the pharmacokinetic profile and extending the active life of these biologic molecules. Shire is a significant stockholder of the Company, having invested $10 million in the Company during 2014. The agreement is an exclusive research, development and license agreement which grants Shire a worldwide, exclusive, royalty-bearing license to Xenetic's PSA patented and proprietary technology in combination with Shire's proprietary molecules designed for the treatment of blood and bleeding disorders. Under the agreement, Xenetic may receive regulatory and sales target payments for total potential milestone receipts of up to $100 million plus royalties on sales.

Xenetic is also developing a broad pipeline of clinical candidates for next generation biologics and novel oncology therapeutics in a number of orphan disease indications. For more information, please visit the company's website at www.xeneticbio.com and connect on Twitter, LinkedIn, Facebook and Google+.

Forward-Looking Statements

This press release contains forward-looking statements for purposes of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. All statements contained in this press release other than statements of historical facts may constitute forward-looking statements within the meaning of the federal securities laws. These statements can be identified by words such as "expects," "plans," "projects," "will," "may," "anticipates," "believes," "should," "intends," "estimates," and other words of similar meaning, including statements regarding the advancement of the clinical development of our oncology drug candidates based upon PolyXen™ platform technology. Any forward-looking statements contained herein are based on current expectations, and are subject to a number of risks and uncertainties. Many factors could cause our actual activities or results to differ materially from the activities and results anticipated in forward-looking statements. These factors include those described in the "Risk Factors" section of our prospectus filed pursuant to Rule 424(b)(4) under the Securities Act of 1933, as amended, on November 3, 2016, and subsequent reports that we file with the Securities and Exchange Commission, as well as the risks inherent in funding, developing and obtaining regulatory approvals of new, commercially-viable and competitive products and treatments. In addition, forward-looking statements may also be adversely affected by general market factors, competitive product development, product availability, federal and state regulations and legislation, the regulatory process for new products and indications, manufacturing issues that may arise, patent positions and litigation, among other factors. The forward-looking statements contained in this press release speak only as of the date the statements were made, and we do not undertake any obligation to update forward-looking statements.

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