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HELIX ANNOUNCES PEER-REVIEW PUBLICATION OF V-DOS47 IN FRONTIERS IN IMMUNOLOGY JOURNAL

Article Title: Development and Characterization of a Camelid Single Domain Antibody–Urease Conjugate That Targets Vascular Endothelial Growth Factor Receptor 2

(Richmond Hill, Ontario) – Helix BioPharma Corp. (TSX: HBP) (FRANKFURT: HBP) ("Helix" or the "Company"), a clinical stage immuno-oncology company developing innovative drug candidates for the prevention and treatment of cancer, today announced the publication of a peer-reviewed V-DOS47 manuscript in "Frontiers in Immunology" journal. V-DOS47 is Helix's second DOS47 development candidate following L-DOS47, which is currently in clinical testing for the treatment of non-small cell lung cancer.

The article, entitled "Development and Characterization of a Camelid Single Domain Antibody–Urease Conjugate That Targets Vascular Endothelial Growth Factor Receptor 2", describes the design and construction of V-DOS47 for breast cancer and other potential indications. The paper can be accessed online at <https://doi.org/10.3389/fimmu.2017.00956>.

"We are very pleased to present our V-DOS47 research work through a peer-reviewed forum" said Heman Chao, Ph.D., Chief Executive & Scientific Officer of Helix. "V-DOS47 research and development activities, coordinated by our Polish subsidiary, Helix Immuno-Oncology S.A., have been progressing well. We continue to work closely with our team in Poland to advance the DOS47 platform.

About V-DOS47

V-DOS47 is an antibody DOS47 conjugate that targets the vascular endothelial growth factor 2 receptor (VEGFR2). V-DOS47 is the second immuno-oncology drug candidate derived from the Company's DOS47 technology platform. V-DOS47 late phase preclinical and early phase clinical development is supported by a Grant Funding Agreement ("Agreement") with the Polish National Centre for Research and Development and Helix BioPharma Corp.'s wholly subsidiary Helix Immuno-Oncology S.A.

About Helix BioPharma Corp.

Helix BioPharma Corp. is an immuno-oncology company specializing in the field of cancer therapy. The company is actively developing innovative products for the prevention and treatment of cancer based on its proprietary technologies. Helix's product development initiatives include its novel L-DOS47 new drug candidate. Helix is currently listed on the TSX and FSE under the symbol "HBP".

Investor Relations

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Cautionary Statements

This news release may contain forward-looking statements and information (collectively, "forward-looking statements") within the meaning of applicable Canadian securities laws including, without limitation, those relating to Helix's operations and strategy and its research and development activities. These statements generally can be identified by forward looking words such as "ongoing", "excited", "efforts", "will" or "modify", and other similar expressions, are intended to provide information about management's current plans and expectations.

Forward-looking statements include, without limitation, statements concerning (i) the Company's ability to operate on a going concern being dependent mainly on obtaining additional financing; (ii) the Company's priority continuing to be L-DOS47; (iii) the Company's development programs for DOS47, L-DOS47 and V-DOS47; (iv) future expenditures, the insufficiency of the Company's current cash resources and the need for financing; and (v) future financing requirements and the seeking of additional funding. Forward-looking statements can further be identified by the use of forward-looking terminology such as "ongoing", "estimates", "expects", or the negative thereof or any other variations thereon or comparable terminology referring to future events or results, or that events or conditions "will", "may", "could", or "should" occur or be achieved, or comparable terminology referring to future events or results.

Although Helix believes that the expectations reflected in such forward-looking statements are reasonable, such statements involve risks and uncertainties that may cause actual results or events to differ materially from those anticipated and no assurance can be given that these expectations will be realized, and undue reliance should not be placed on such statements. Factors that could cause actual results or events to differ materially from the forward-looking statements include, without limitation, risks inherent in Helix's research and development activities and those risks and uncertainties affecting the Company, as more fully described in Helix's most recent Annual Information Form, including under the headings "Forward-Looking Statements" and "Risk Factors", filed under Helix's profile on SEDAR at www.sedar.com (together, the "Helix Risk Factors"). Certain material factors, estimates or assumptions have been applied in making forward-looking statements including, without limitation, the safety and efficacy of the Company's drug product candidates; that sufficient financing will be obtained in a timely manner to allow the Company to continue operations and implement its clinical trials in the manner and on the timelines anticipated; the timely provision of services and supplies or other performance of contracts by third parties; future costs; the absence of any material changes in business strategy or plans; the timely receipt of required regulatory approvals and strategic partner support and that the factors described in the Helix Risk Factors will not cause the Company's actual results or events to differ materially from the forward-looking statements. These cautionary statements qualify all such forward-looking statements.

Forward-looking statements and information are based on the beliefs, assumptions, opinions, plans and expectations of Helix's management on the date of this news release, and the Company does not assume any obligation to update any forward-looking statement or information should those beliefs, assumptions, opinions, plans or expectations, or other circumstances change, except as required by law.