

Annual Report 2016



HelixBioPharmaCorp.

Breaking Down Cancer Barriers

Message to Shareholders

Helix BioPharma Corp. (“Helix” or the “Company”) is focused on the field of immuno-oncology. The company is positioning its core technology in the field of immuno-oncology as a unique Tumour Defence Breaker™ and prioritizing its clinical studies. It is my belief that Helix may be in a position to revolutionize the priming of tumours for an attack with chemo- or immunotherapies. The shift occurred late in the Company’s fiscal year and did not have an impact on the Company’s financial position.

L-DOS47 Clinical Studies and its unique positioning as a Tumour Defence Breaker™:

L-DOS47 is currently under study for the treatment in two non-small cell lung cancer (“NSCLC”) clinical trials. The most advanced of the two is a Phase I/II monotherapy trial being conducted in Poland and the second is a Phase I clinical trial in combination with pemetrexed and carboplatin being conducted in the United States.

Preclinical evidence, in part generated over a decade of research by the Moffitt Cancer Institute, confirms that acidosis plays an important role in the aggressive characteristics of tumours. It appears that acidosis may be the defence shield of aggressive tumours against all kinds of cellular attacks from the human innate immune system. Our L-DOS47 targets the tumours that are CEACAM6-positive and antagonizes tumour acidosis by a urease mechanism. This leaves the tumour vulnerable against immune cell based attack therapies such as checkpoint inhibitors and adoptive T-cell transfer (CAR-T).

To position our drug product candidates in the newly formed market for immunotherapies, we have applied for the Trade Mark “Tumour Defence Breaker™” for all products developed from our DOS47 technology platform.

The oncology landscape relating to cancer treatment has undergone a major transformation, most notably with respect to immunotherapies. The Company believes that by breaking the tumour’s defence, L-DOS47 and our other drug product candidates in preclinical development, such as V-DOS47, could become part of every combined modality treatment and thereby an important product class of its own.

In addition, our in-house immune cell attack system (CAR-T) for solid cancer is progressing nicely in preclinical development providing promising results in pancreatic cancer mouse models. The clinical proof of concept as well as the evaluation of synergies with our Tumour Defence Breaker will be a key milestone for the next fiscal year.

Financial Situation

The Company secured sufficient funding during the year to advance its clinical and pre-clinical portfolios. Nevertheless, the Company will require additional financing in the near term, as we currently do not have sufficient financial resources to meet anticipated cash needs for working capital and capital expenditures required to exploit the full potential of the Tumour Defence Breaker™ technology.

Goals for fiscal 2017

Helix’s goals for fiscal 2017 are as follows:

- Secure sufficient additional funding from large institutions and other third party funding;
- Provide clinical proof-of-concept for the Company’s Tumour Defence Breaker™ in combination with other immunotherapies (e.g. checkpoint inhibitors, CAR-T) and with established chemotherapy; and
- Establish a partnership arrangement with big pharma in the field of immuno-oncology.

Helix thanks all its shareholders and employees for their continuing support.

Sincerely,
Sven Rohmann, MD, PhD, MBA
Chairman of the Board

This letter contains certain forward-looking statements. By their nature, forward-looking statements require us to make assumptions and are subject to inherent risks and uncertainties. Please refer to the caution regarding Forward-Looking Statements and Information on page 2 of this Annual Report for a discussion of such risks and uncertainties and the material factors and assumptions related to these statements.

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MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

This Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") should be read in conjunction with the consolidated financial statements of Helix BioPharma Corp. (the "Company" or "Helix") for the years ended July 31, 2016, and 2015 and the accompanying notes thereto. This MD&A is based on financial statements which have been prepared in accordance with International Financial Reporting Standards ("IFRS"). All amounts are depicted in Canadian currency unless otherwise noted.

Additional information relating to the Company can be found in the Company's Annual Information Form, which is available on SEDAR at www.sedar.com.

FORWARD-LOOKING INFORMATION

This MD&A contains forward-looking information (collectively, "forward-looking information") within the meaning of applicable Canadian securities laws. Forward-looking information means disclosure regarding possible events, conditions or financial performance that is based on assumptions about future economic conditions and courses of action and includes financial projections and estimates; statements regarding plans, goals, objectives, intentions and expectations with respect to the Company's future business, operations, research and development, including the focus of the Company on L-DOS47 which is the Company's primary drug candidate, Topical Interferon Alpha-2b and other information relating to future periods. Forward-looking information includes, without limitation, statements concerning (i) the Company's ability to continue to operate on a going concern basis being dependent mainly on obtaining additional financing; (ii) the Company's growth and future prospects being dependent mainly on the success of L-DOS47; (iii) the Company's priority continuing to be L-DOS47; (iv) the Company's development programs, including but not limited to, extension of the current drug candidate(s) to other indications and the identification and development of further tumour-targeting antibodies for DOS47; (v) the anticipated timeline for completion of enrolment and other matters relating to the Company's European Phase I/II clinical study for L-DOS47 in Poland, including the number of cohorts required to reach Maximum Tolerable Dose ("MTD") and the Company's U.S. Phase I clinical study for L-DOS47, (vi) seeking strategic partner support and therapeutic market opportunities; (vii) the nature, design and timing of future clinical trials (including the Company's anticipated reassessment of the re-design of the LDOS003 study to focus on advanced stage lung cancer patients by combining L-DOS47 with Vinorelbine/Cisplatin ("VIN/CIS") and commercialization plans; (viii) future expenditures, insufficiency of the Company's current cash resources and the need for financing and the Company's possible response for such matters; (ix) future financing requirements, the seeking of additional funding (including the possible receipt of grants) and anticipated future operating losses; (x) changes in the application of accounting standards and interpretations; and (xi) industry performance, competition (including potential developments relating to immunotherapies and the Company's possible response to such developments), prospects, and general prevailing business and economic conditions. Forward-looking information can further be identified by the use of forward-looking terminology such as "expects", "plans", "designed to", "potential", "believe", "intended", "continues", "opportunities", "anticipated", "2017", "2020", "next", "ongoing", "seek", "objective", "estimate", "future", 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", "would", or "should" occur or be achieved, or comparable terminology referring to future events or results.

Forward-looking information includes statements about the future and are inherently uncertain, and are necessarily based upon a number of estimates and assumptions that are also uncertain. Although the Company believes that the expectations reflected in such forward-looking information are reasonable, such statements involve risks and uncertainties, and undue reliance should not be placed on such statements. Forward-looking information, including financial outlooks, are intended to provide information about management's current plans and expectations regarding future operations, including without limitation, future financing requirements, and may not be appropriate for other purposes. The Company's actual results could differ materially from those anticipated in the forward-looking information contained in this MD&A as a result of numerous known and unknown risks and uncertainties, including, but not limited to:

- the Company's need for additional capital which may not be available in a timely manner or at all (whether from additional issuances of the Company's securities, grant applications or otherwise) and which, if not obtained, will have a material adverse impact on the Company and its ability to continue as a going concern;
- the risk that the Company may have to suspend or terminate one or more of its clinical trials for lack of funding, as the Company does not have sufficient funds to complete them and will need to raise additional funding, which is not assured;
- uncertainty as to whether the Company's drug product candidate(s), especially L-DOS47, will be successfully developed and marketed;
- developments in immunotherapies may result in significant changes in the treatment of cancer and may result in a reduction, which may be significant, in the potential patient population and/or treatment protocols available to chemotherapies and other treatments currently in development, such as the Company's primary drug product L-DOS47;
- the possibility of dilution to current shareholders from future equity financings;

- the impact of the ongoing volatility in the economic environment which has negatively affected the availability and terms of debt and equity financings and may have a negative effect on the Company's ability to raise further financing and its research and development initiatives;
- intellectual property risks, including the possibility that patent applications may not result in issued patents, that issued patents may be circumvented or challenged and ultimately struck down, that any expiry of an issued patent, may negatively impact the further development or commercialization of the underlying technology, and that the Company may not be able to protect its trade secrets or other confidential proprietary information;
- research and development risks, including without limitation, the fact that the Company's drug product candidate(s) are complex compounds and the Company faces difficult challenges in connection with the manufacture of clinical batches, and the risk of obtaining negative findings or factors that may become apparent during the course of research or development, any of which may result in the delay or discontinuation of the research or development projects;
- partnership/strategic alliance risks and the need to secure new strategic relationships, which are both not assured;
- the Company's dependence on third parties, including without limitation, contract research organizations, contract manufacturing organizations, clinical trial consultants, collaborative research consultants, regulatory affairs advisors, and others, whose performance and interdependence can critically affect the Company's performance and the achievement of its milestones;
- the Company's dependence on assurances from third parties regarding licensing of proprietary technology owned by others, including the Company's dependence on its license of the L-DOS47 antibody;
- the need for future clinical trials, the occurrence and success of which cannot be assured, and the fact that results seen in earlier clinical trials may not be repeated in later trials;
- manufacturing risks, the need to manufacture to regulatory standards, uncertainty whether the manufacturing process for the Company's drug candidates can be further scaled-up successfully or at all and the risk that clinical batches of the Company's drug candidate may not be able to be produced in a timely manner or at all, which would have a negative effect on the timing and/or occurrence of planned clinical trials and the potential commercialization of the drug candidates;
- uncertainty as to the size and existence of a market opportunity for, and market acceptance of the Company's drug product candidate(s) including as a result of possible changes in the market for the Company's drug candidates resulting from development in immunotherapies or other future cancer treatments;
- uncertainty as to the availability of raw materials that the Company utilizes to manufacture its products, and in particular, Good Manufacturing Practice ("GMP") grade materials, on acceptable terms or at all, and that the Company may not be able to timely obtain alternative suppliers upon commercially viable terms or at all, which could have a material adverse effect on the further development and commercialization of any or all of the Company's drug product candidate(s);
- product liability and insurance risks;
- the risk of lawsuits and other legal proceedings against the Company;
- the effect of competition, especially from the new immunotherapy treatments for non-small cell lung cancer ("NSCLC");
- the risk of unknown side effects arising from the development, manufacture or use of the Company's products;
- the need to attract and retain key personnel;
- that the Company has no sales, marketing and distribution experience;
- government regulation, including drug price regulation, and the need for regulatory approvals for both the development and profitable commercialization of products, which are not assured;
- risks associated with the fact that the U.S. Food and Drug Administration (the "FDA") and any other regulatory agency that the Company has consulted are not bound by their scientific advice, nor are any approvals given by one regulatory body binding on another;
- rapid technological change and competition from pharmaceutical companies, biotechnology companies and universities, which may make the Company's technology or products obsolete or uncompetitive;
- risks associated with claims, or potential claims, of infringement of third party intellectual property and other proprietary rights;
- the risk of unanticipated expenses;
- the impact on the Company's finances resulting from shifts in foreign exchange rates, credit risk and interest rate risk,

and other risk factors that are discussed above and elsewhere in this MD&A or identified in the Company's other public filings under the Company's profile on SEDAR at www.sedar.com, including under the headings "*Forward-Looking Statements*" and "*Risk Factors*" in the Company's most recent Annual Information Form (together the "Helix Risk Factors"), any of which could cause actual results to vary materially from current results or the Company's anticipated future results. Certain material factors, estimates or assumptions have been applied in making forward-looking information in this MD&A, including, but not limited to, the safety and efficacy of the Company's drug product candidate(s); the Company's cost and timing in connection with the Phase I U.S. clinical trial for L-DOS47; the cost and timing for achieving MTD in the Company's European Phase I/II clinical trial for L-DOS47 in Poland; that additional and sufficient financing will be obtained in a timely manner or at all to allow the Company to continue operations; 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, strategic

partner support; and that the Helix Risk Factors will not cause the Company's actual results or events to differ materially from the forward-looking information.

For all of the reasons set forth above, which do not represent an exhaustive list of factors that may affect the forward looking information, investors should not place undue reliance on forward looking information. The forward-looking information is based on the beliefs, assumptions, opinions and expectations of the Company's management at the time they are made, and the Company does not assume any obligation to update any forward-looking information should those beliefs, assumptions, opinions or expectations, or other circumstances change, except as required by law.

Data relevant to estimated market sizes in connection with Company's lead products under development are presented in this MD&A. These data have been obtained from a variety of published resources, including published scientific literature, websites and information generally available through publicized means. The Company attempts to source reference data from multiple sources whenever possible for confirmatory purposes. Although the Company believes the data is reliable, the Company has not independently verified the accuracy and completeness of this data.

OVERVIEW

Helix is transforming into an immuno-oncology company primarily focused in cancer drug development. The Company is developing products for the treatment and prevention of cancer based on its proprietary technologies. The Company's product development initiatives are focused primarily on technologies that modulate the tumour microenvironment.

To-date, the Company's proprietary technology platform, DOS47 has yielded two new drug product candidates, L-DOS47 and V-DOS47. L-DOS47 is currently under clinical study for the treatment of NSCLC. L-DOS47 has completed extensive preclinical testing and manufacturing development, following which, regulatory approvals were obtained in Poland and the U.S. to conduct Phase I/II and Phase I clinical studies, respectively. Both the LDOS002 European Phase I/II monotherapy clinical study in Poland and the LDOS001 U.S. Phase I study in combination with pemetrexed/carboplatin, continue to enroll patients. V-DOS47 has been licensed to the Company's wholly owned Polish subsidiary for preclinical and clinical development. The V-DOS47 drug candidate uses the Company's proprietary DOS47 technology conjugated to VEGFR target wide range of cancers.

The Company continues to actively pursue additional new antibody based technologies for cell-based therapies. In September 2016 the Company announced that it was developing a novel Chimeric Antigen Receptor T-Cell (CAR-T) therapeutic. The Company believes CEACAM6 specific CAR immune cells may have broad applications in a number of cancer types and is working on two camelid single domain antibodies that target CEACAM6.

The Company currently believes that its growth and future prospects are mainly dependent on the success of its DOS47 drug product candidates, and the successful development of cell-based therapies.

Due to a lack of funding, a decision was made by the Company in fiscal 2013 to downsize and eventually close the Saskatoon laboratory which supported the Topical Interferon Alpha-2b drug development program and to focus any ongoing activities associated with this program to sourcing and qualifying alternative interferon alpha-2b raw material samples and finding suitable strategic partner(s) who would be willing to license or acquire the product and support the remaining development costs through to commercial launch. The Company has since ceased all activities related to Topical Interferon Alpha-2b, other than maintaining existing intellectual property associated with Topical Interferon Alpha-2b and entertaining discussions with potential interested parties to license or acquire the technology.

The Company expects to incur additional losses for the foreseeable future and will require additional financial resources to fund the Company's ongoing research and development activities and overhead costs.

The Company finances its research and development programs primarily from the issuance of its securities. In addition, the Company is also looking at alternative sources of additional financing. The Company has been actively seeking grant money from European authorities for research and development activities in Europe and Poland. The Company recently announced that it had qualified for up to PLN12,506,956 (~CAD4,089,942) in grant money from the Polish National Centre for Research and Development ("PNCRD") to develop V-DOS47. There can be no assurance that the Company will be successful in qualifying and/or receiving any additional grant money or that it will obtain additional financing.

The Company continues to not have sufficient cash reserves to meet anticipated cash needs for working capital and capital expenditures through the next twelve months. The Company's cash reserves as at July 31, 2016 of \$3,654,000 are not sufficient to see the current research and development initiatives through to completion let alone commence or properly allocate scarce cash resources efficiently and as such, the Company will require additional financing in the very near term. Securing additional sufficient financing continues to be of critical importance to the Company.

Given the possibility of not being able to secure sufficient additional financing, whether on a timely basis or not at all, the Company may be required to reduce, delay or cancel one or more of its planned research and development initiatives, including clinical trials along with further reductions in overhead, any of which could impair the current and future value of the Company.

RESEARCH AND DEVELOPMENT ACTIVITIES

Background

The immune system utilizes two strategies in attacking different types of pathogens. The humoral immune system uses antibodies as its main weapon. Antibodies are proteins that bind to extracellular foreign invaders, such as bacteria, and lead to their destruction. The cellular immune system utilizes specialized immune cells, called T-cells to identify and bind to abnormal cells and subsequently destroy them.

Cancer cells have adopted and developed several strategies for evading the immune system. In some cases, proteins are expressed on the surface of tumour cells that “turn off” attacking T-cells. By using antibodies to block these interactions (such as anti-PD1), T-cells are reactivated to kill the tumours. Although anti-PD1 and anti-PDL1 therapies (checkpoint inhibitors) have improved outcomes for patients, there are many that do not respond to these treatments. One possible explanation suggests that the unique metabolism of cancer cells creates an acidic tumour microenvironment and this acidity has the effect of interfering with T-cell function. The Company believes it has developed a novel system to raise pH at the tumour site, thus breaking the physiologic barrier that acts to defend against tumour-killing T-cells.

Alkalinization using Urease

Urease is an enzyme that catalyzes the hydrolysis of urea into carbon dioxide and ammonia ($(\text{NH}_2)_2\text{CO} + \text{H}_2\text{O} \rightarrow \text{CO}_2 + 2\text{NH}_3$). The Company has conjugated urease to an antibody that specifically targets lung cancer cells, thus delivering the urease directly to the site of the tumour. L-DOS47, the Company’s first drug product candidate, is currently in a phase I/II monotherapy trial in Poland and a Phase I combination trial with carboplatin and pemetrexed in the United States. By delivering urease to the tumour site, the company expects the pH of the tumour microenvironment to increase and activity of tumour-killing T-cells to be enhanced. The Company believes the urease system can be used with any tumour specific antibody as a general method for modifying the tumour microenvironment, and as such, could be combined with any of the current checkpoint inhibitor products to improve patient outcomes.

CAR-T Cells

To date, success in Adoptive Cell Transfer (ACT) with engineered T-cells such as Chimeric Antigen Receptor T-cells (CAR-T) has occurred mainly in the area of hematological cancers. As the pH of human blood is carefully balanced, and normally not acidic, T-cells appear to remain active. Solid tumours on the other hand, have created challenges and as such, it is hypothesized that the failure of CAR-T therapies to-date may be the result of the acidic tumour microenvironment surrounding the cancer cell that inhibits CAR T-cell activity. The Company believes it is well positioned to use its proprietary urease-antibody technology to alkalinize the tumour microenvironment and improve the ability of CAR-T cells to destroy solid tumours.

Check Point Inhibitors

Dr. Robert J. Gillies of the Moffitt Cancer Center in Tampa Florida demonstrated some interesting results when treating acidic tumours in animal models. Dr. Gillies demonstrated that in alkalinized tumour cells, the activity of antibodies that target PD-L1, is enhanced. This would indicate that tumour acidosis may protect tumours from immune check-point inhibitors. Since tumour acidosis is experimentally shown to occur in cancers such as breast, colon, lung and pancreas, the Company believes methodologies that can alkalinize the tumour microenvironment, such as the Company’s proprietary DOS47 platform technology, may work beneficially with check-point inhibitors.

DOS47 – A broad anti-cancer therapeutic platform

DOS47 is based upon a naturally occurring enzyme isolated from the jack-bean plant called urease that breaks down a natural substance found in the body, urea, into metabolites that include ammonia and hydroxyl ions. By doing so at the site of cancerous tissues in the body, the Company believes DOS47 can modify the micro environmental conditions of cancerous cells in a manner that leads to apoptosis.

DOS47 stimulates an increase in the pH of the microenvironment surrounding the cancerous cells, effectively reversing the acidic extra-cellular conditions that are believed to act to defend the tumour. This acidic environment can also reduce or negate the effectiveness of some commonly used anti-neoplastic agents. The local production of ammonia at the site of cancerous tissues is thought to readily diffuse into the cancer cells to exert a potent cytotoxic effect by interfering with their critical metabolic functions. Enzymatic action of urease at the site of cancerous cells is potentially repetitive and sustainable due to the plentiful supply of urea.

The Company is pursuing the development of DOS47 both as a monotherapy and as an adjunct therapy in combination with certain chemotherapeutics and/or radiation regimens, with a view to maximizing the DOS47 commercial potential.

DOS47 candidates are produced by conjugating urease with a targeting antibody or antibody fragment that can specifically direct the urease to the surface of a cancer cell. Once docked to the cell, the urease produces ammonia enzymatically through the conversion of urea found throughout the body. These conjugates of antibodies to urease are called DOS47 candidates. By

selecting antibodies that are selective to different tumour cell surface receptors, the Company believes that DOS47 candidates can be used in several types of solid tumours.

Tumour Defense Breakers

L-DOS47

The Company believes that its DOS47 candidates may have potential anti-cancer activity by stimulating an increase in the pH of the microenvironment surrounding the cancerous cells. The local production of ammonia at the site of cancerous tissues is thought to readily diffuse into the cancer cells and may exert a potent cytotoxic effect by interfering with their critical metabolic functions. In addition, the Company believes that the use of DOS47 candidates may also have a synergistic effect on the efficacy of other marketed chemotherapeutics, such as vinka alkyloid analogues, where low pH can inhibit the cellular uptake of these agents. The Company believes the enzymatic action of urease to increase the pH at the site of cancerous cells is repetitive and sustainable due to the plentiful supply of urea that is furnished by the body.

L-DOS47 is the Company's first targeted therapeutic immune-conjugate under development based on the DOS47 technology.

L-DOS47 is an antibody protein conjugate where the urease component enzymatically converts naturally occurring urea to ammonia. The L-DOS47 drug molecule includes a highly specialized camelid-derived single domain antibody, designed to identify a unique CEACAM6 antigenic site associated with NSCLC cells. By delivering the conjugate in a targeted manner, the Company believes L-DOS47 stimulates an increase in the pH of the microenvironment surrounding the NSCLC cells, reversing the acidic extra-cellular conditions that are shown to be favourable for cancer cell survival.

L-DOS47 is intended to offer an innovative approach to the first-line treatment of inoperable, locally advanced, recurrent or metastatic NSCLC. However, other emerging therapies, including immunotherapy, may alter the treatment paradigm in NSCLC. Therefore, the eventual approval for L-DOS47 as a first-line treatment for NSCLC will depend on both successful clinical trials and on the treatment landscape shaped by these new therapies. The Company continues to monitor developments in this area and to consider their effect on its L-DOS47 program, including its focus on L-DOS47 as a first-line treatment for NSCLC.

In 2005, the Company entered into a worldwide exclusive license with the National Research Council of Canada ("NRC"), through which it obtained the rights to combine this highly specialized camelid-derived single domain antibody with Helix's DOS47 technology. As a result, the Company has certain royalty and milestone payment obligations pursuant to the license agreement. The license agreement with the NRC has been filed under the Company's profile on SEDAR at www.sedar.com. The NRC filed patent applications in respect of the antibody in Canada, the United States and other countries. On March 2, 2011, the NRC issued a U.S. patent in respect of the antibody.

In addition to being a key for cancer progression by promoting invasiveness and metastatic behaviors of cancer cells, the acidic tumour microenvironment protects cancer cells from immunotherapy by suppressing the proliferation and cytotoxic activities of local immune cells. The interactions of programmed cell death protein 1 (PD-1) on Jurkat cells with its ligand PD-L1 were studied. The human cancer cell lines MDA-MB231 and BxPC-3 were stimulated with Interferon gamma (IFN γ) to express PD-L1 on the cell surface. The IFN γ -stimulated cell lines were found to inhibit IL-2 production in co-incubated Jurkat cells by as much as 40% when compared to non-stimulated cells. The addition of L-DOS47/urea to the culture medium partially restored cytokine production in Jurkat cells, suggesting a potential role of L-DOS47 in the process of PD-1/PD-L1 interactions.

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.

In January 2016 the Company granted a world-wide exclusive license for v-DOS47 to its wholly-owned subsidiary, Helix Polska, in Poland. The Company expects that day-to-day development activities in respect of v-DOS47 will be coordinated by Helix Polska with coordination and oversight from some of the Company's scientists in Canada.

In order to advance the v-DOS47 initiative in Poland the Company will be establishing a wet lab facility with the majority of the funding coming from the recently qualified grant application that was announced by the Company on May 9, 2016. The Company qualified for up to PLN12,506,956 (~CAD4,089,942) in grant money from the PNCRD to develop V-DOS47 for breast cancer.

The Company has previously developed four v-DOS47 research candidates and conducted in vitro feasibility studies to establish the potential clinical applications for these molecules. Helix Polska, is expected to leverage this know-how to develop a V-DOS47 clinical drug product candidate. The Company will assist Helix Polska by sharing its extensive knowledge in GMP manufacturing, preclinical research and clinical experiences. Helix Polska will collaborate with several Polish institutes through the grant to complete the development of the first v-DOS47 clinical drug product candidate. The development of the clinical drug product candidate for Phase I testing is expected to take two to three years. The actual duration of the development process will depend on successful completion of preclinical research favorable for clinical testing and establishment of cGMP manufacturing processes.

The Company expects to enter clinical trials in 2018 provided success is achieved during the preclinical and there are sufficient funds.

Tumour Attack Agents

For years, the four cornerstones of cancer treatment have been surgery, chemotherapy, radiation therapy and molecular targeted therapy. Despite years of false starts, excitement is growing for immunotherapy approaches - therapies that harness the power of a patient's immune system to combat their disease, or what some in the research community are calling the "fifth pillar" of cancer treatment.

The Company is leveraging its know-how in manipulating the tumour microenvironment, and its expertise in developing unique single domain antibody therapeutics to develop Chimeric Antigen Receptors ("CAR") for engineered T cell based treatment ("CAR-T"). CAR-T is a novel cell based treatment that uniquely leverages the patient's immune system to treat cancer. In one application, the patient's T cells are isolated and then transformed with specific CAR that recognize the cancer. The transformed T cells or CAR-Ts are infused back into the patient to effect the treatment. Currently, a number of companies including large pharmaceutical companies are developing CAR-T based therapies for blood based and solid tumours. Although this approach, called adoptive cell transfer ("ACT"), has been restricted to small clinical trials so far, treatments using these engineered immune cells have generated some promising responses in patients with advanced cancer. Helix intends to develop CARs for ACT for solid and hematological malignancies. The Company has selected CEACAM6 and VEGFR2 specific CARs for solid tumour. For hematological cancers the Company has selected CD19 and CD22.

The Company is also exploring opportunities for collaboration on complementary technologies to advance Company development in cell based immune-oncology therapies. The Company continues to reach out to third parties in order to identify and test additional tumour-targeting antibodies for conjugation with DOS47. In the event that antibody candidates worthy of further development are identified, the Company will need to discuss development and licensing arrangements, which may not be available on terms acceptable to the Company or at all.

In fiscal 2015, the Company entered into a collaborative research agreement with Afflogic to assess proprietary anti-tumour targeting agents in combination with DOS47. The agreement calls for a feasibility study using a targeting agent in conjugation with DOS47. Continuing development of these new conjugates is subject to a successful feasibility study, execution of a formal development and licensing agreement, and the availability sufficient financial resources.

CAR-T solid tumours

CEACAM 6 specific CARs

Expression of CEACAM6 protein has been reported in a variety of normal human tissues including granulocytes. However, its expression is elevated in many types of solid tumours such as breast, pancreatic, ovarian, lung and colon. CEACAM6 is envisaged as a biomarker and potential therapy target for pancreatic ductal adenocarcinoma and pancreatic intraepithelial neoplasia (Duxbury et al., 2004a, 2004c, 2004d). Recently CEACAM6 is suggested to be check point molecule in multiple myeloma.

The Company believes CEACAM 6 specific CAR immune cells may have broad applications in a number of cancer types. The Company is working on two camelid single domain antibodies that target CEACAM6.

2A3 is a camelid single domain antibody isolated from a whole cancer cell immunized llama library. The antibody binds specifically to the CEACAM6 antigen with high affinity and inhibits the proliferation of CEACAM6-expressing cancer cells *in vitro*. The efficacy of CEACAM6-CAR-T cells in xenograft model was examined *in vivo*. The results strongly support that CEACAM6-CAR-T cells can be used as an effective immunotherapy agent against CEACAM6-expressing cancers, and that camelid single domain antibodies can be easily adopted for CAR-T type therapies.

Vascular epithelial growth factor receptor 2 (VEGFR2) CARs

Most solid tumours and some hematologic malignancies are characterized by an angiogenic phenotype that is an absolute requirement for tumour survival, progression, and metastasis. Therapeutic approaches targeting molecules involved in tumour angiogenesis can inhibit tumour growth. Proliferating endothelial cells in the vessels within solid tumours aberrantly express high levels of angiogenic growth factors, receptors, and adhesion molecules that are absent or barely detectable in established blood vessels, which are normally quiescent. Among these, VEGF and its receptors appear to be the dominant regulators of angiogenesis responsible for the vascularization of normal and neoplastic tissues. Overexpression of VEGF and its receptors is associated with tumour angiogenesis, survival, invasion, metastasis, recurrence, and prognosis in human cancers. VEGF stimulates angiogenesis mainly through VEGFR-2 (also known as Flk1 in mice and KDR in humans), a tyrosine kinase receptor that is overexpressed in tumour endothelial cells and on some tumour cells. Pharmacologic approaches to inhibit VEGF, using monoclonal antibodies or small molecules, are of value in cancer treatment, though the cytostatic rather than cytotoxic nature of these interventions and the redundancy of angiogenic pathways have limited the curative potential of these treatments). The Company believes VEGFR2 specific CAR immune cells may have broad applications in a number of cancer types. Helix is working on two camelid single domain antibodies that target VEGFR2.

CAR-T hematological tumours

CD19

Clinical use of CAR-T cells targeting CD19 are currently being investigated by many other major organizations. Treatment of hematological malignancies appear to be having good responses. The current clinical CD19-CAR T cells were derived from two different anti-CD19 antibodies: FMC63 and SJ25C1. FMC63 was developed by the Zola laboratory at the Flinders Medical Centre in Australia in 1991. It is a mouse monoclonal antibody that was generated using standard hybridoma technology by immunizing mice with the human prolymphocytic cell line JVM3. SJ25C1 was developed using standard hybridoma technology by immunizing balb/c mice with a mixture of NALM-1 (CML) and NALM-16 (ALL) cells. Helix and its partners are designing antibodies that it believes, at a minimum, are comparable if not superior to FMC63 and SJ25C1.

The table below summarizes information pertaining to some of the major organizations working in the field.

Academic Institution	Industry Partner	Product	CD19 ab used to develop CAR	Costimulatory molecule used
NCI	Kite Pharma	KTE-C19	FMC63	CD28
U Penn	Novartis	CTL019	FMC63	41BB
Sloan-Kettering	Juno Therapeutics	JCAR015 (and others)	SJ25C1	CD28
N/D	Cellectis/Servier/Pfizer	UCART19	N/D	N/D
MD Anderson	Ziopharm Oncology	N/A	FMC63	CD28
Baylor	N/A	N/A	FMC63	CD28

CD22

Although CD19 CAR-T cells have shown remarkable clinical results, some patients either do not respond to treatment or relapse after treatment. In some cases, the relapsing cells no longer express CD19. To treat such disease, the targeting of a second B-cell marker, CD22, has been suggested and is currently being tested in clinical trials. The main CD22 CAR-T program is run by Juno Therapeutics (details below).

The NCI group headed by Rimas Orentas has determined that the most important factor in generating high activity with CD22 CAR-T cells is the membrane-proximal location of the antibody epitope. The m971 (CD22) CAR-T cells show activity similar to FMC63 (CD19) CAR-T cells, whereas CAR-T cells directed to a membrane-distal epitope of CD22 (HA22) have lower activity, but similar affinity for CD22. A similar phenomenon was observed by others. This illustrates the vital importance of selecting anti-CD22 antibodies to the membrane-proximal region of CD22. Based on phage display technology and exploiting the unique features of single domain antibodies, Helix is designing antibodies with this knowledge in mind.

The main CD22 CAR-T program is run by Juno Therapeutics (see table below).

Academic Institution	Industry Partner	Product	CD22 ab used to develop CAR	Costimulatory molecule used
NCI	Juno Therapeutics	JCAR018	m971	N/D

Clinical study initiatives

Regulatory approvals were obtained in Poland and the U.S. to conduct Phase I/II and Phase I clinical studies, respectively, for the treatment of NSCLC. Both the LDOS002 European Phase I/II monotherapy clinical study in Poland and the U.S. LDOS001 Phase I study in combination with pemetrexed/carboplatin, continue to enroll patients. In addition, the Company continues to assess the viability of an LDOS003 clinical study of L-DOS47 in combination with VIN/CIS in patients with metastatic or advanced solid tumours.

U.S. Phase I clinical study (“LDOS001”)

On February 7, 2011, the Company announced it received approval by the FDA to conduct a U.S. Phase I clinical study with L-DOS47. The Company originally planned to commence the L-DOS47 U.S. Phase I study during fiscal 2012 but, given the

Company's limited cash resources, the Company had prioritized the LDOS002 European Phase I/II clinical study with L-DOS47 in Poland while deferring the previously planned commencement of the U.S. Phase I clinical study with L-DOS47.

On April 22, 2014, the Company announced an IND approval by the FDA to commence a study for an L-DOS47 Phase I, open label, dose escalation study in combination with standard doublet therapy of pemetrexed/carboplatin in patients with Stage IV recurrent or metastatic non-squamous NSCLC. The Company has initiated three U.S. sites: Dr. Sarina Piha-Paul at the MD Anderson Cancer Center, Dr. Chandra Belani at Penn State University and the Milton S., Hershey Medical Center, and Dr. Afshin Dowlati at University Hospitals Case Medical Center.

Three patients were successfully dosed at the first L-DOS47 dose level 0.59 µg/kg. On November 18th and 19th, 2015, the Safety Review Committee (SRC) approved the escalation of L-DOS47 to the second dose level 0.78 µg/kg. Three (3) patients have been dosed at this dose level. The SRC has requested an additional patient be dosed at the 0.78 µg/kg level before escalation to the next dose.

Doses of L-DOS47 up to 13.55µg/kg were well tolerated in study LDOS002. As a result, the Company intends to submit an amendment to the LDOS001 protocol to accelerate the dose escalation of L-DOS47 in combination with pemetrexed/carboplatin. There are no guarantees that the Company's submission will be approved by health authorities. The Company also intends to add additional sites to address the slow study enrolment. The Company believes that accelerating the dose escalation and adding sites ought to address the delays in completing the study.

The Company continues to have insufficient cash resources to see the entire LDOS001 U.S. Phase I clinical study through to completion. Given the Company's limited current cash resources and the possibility of not being able to obtain additional financing on a timely basis, the Company may be required to reduce, delay or cancel one or more of its planned research and development programs, including clinical trials along with further reductions in overhead, any of which could impair the current and future value of the business.

European Phase I/II clinical study in Poland ("LDOS002")

On July 25, 2011, Helix announced that the Company had received approval from the Central Register of Clinical Trials at the Polish Ministry of Health to perform a European Phase I/II clinical study with L-DOS47 and, on May 14, 2012, announced that clinical site initiation and patient recruitment activities had commenced for its European Phase I/II clinical study of L-DOS47. On October 23, 2012, the Company announced that its first patient had been enrolled and the first dose had been administered in this study.

The study is being conducted at five Polish centers under the direction of Dr. Dariusz Kowalski at The Maria Sklodowska-Curie Memorial Cancer Centre & Institute of Oncology as the overall coordinating investigator, together with four other principal investigators: Prof. Cezary Szczylik, MD, PhD at the Military Medical Institute, Prof. Elzbieta Wiatr, MD, PhD at the National Tuberculosis and Lung Diseases Research Institute, Dr. Aleksandra Szczensa, MD, PhD at the Mazovian Center of Pulmonary Diseases and Tuberculosis in Otwock and Prof. Rodryg Ramlau, MD, PhD at Med. Polonia Hospital Poznan.

The study is being conducted in patients with inoperable, locally advanced, recurrent or metastatic, non-squamous stage IIIb/IV NSCLC. The study, which is now well underway, recruits patients eligible for inclusion into escalating doses of L-DOS47 given as a monotherapy. The study utilizes an open-label design, allowing for periodic status updates through its course. The study is intended to demonstrate valuable safety and proof-of-concept efficacy data for L-DOS47.

Patients in the study receive weekly doses of L-DOS47, administered as an intravenous infusion over 14 days, followed by seven days' rest (one treatment cycle is three weeks). Once the MTD of L-DOS47 has been determined in Phase I, an estimated 20 patients will be enrolled to evaluate the preliminary efficacy of L-DOS47 in the Phase II portion of the study.

Enrolment in the Phase I component of the study is now complete. A total of 55 male and female patients, at least 18 years of age, with histologically confirmed non-squamous NSCLC were dosed at 16 L-DOS47 dose levels. Patients have an Eastern Cooperative Oncology Group performance status of 0 – 2 at the screening visit for this study, and have at least one site of measurable disease per RECIST v1.1.

The Phase II component enrolls the same patient population as the Phase I. To-date, a total of 10 patients have been enrolled in the Phase II component of the study. After reviewing safety, pharmacokinetic and immunogenicity data, the Polish Competent Authority and Central Ethics Committee did not object to a twice weekly dosing of L-DOS47 over 14 days (Days 1, 4, 8, 11) followed by a 7-day rest in the Phase II component of the study.

The Company, to-date, has completed three interim data reviews in connection with the LDOS002 study.

On October 15, 2013, the Company announced the completion of an interim data review of the first four cohorts for this study. The release stated that L-DOS47 was well tolerated for all patients treated within all cohorts. None of the treatment related adverse events reported to date has met the definition of a dose-limiting toxicity. Adverse events reported as of that date are those normally expected for the population under study.

A review of available pharmacokinetic (“PK”) and immunogenicity data showed that these data so far, are consistent with trends seen within pre-clinical animal studies of L-DOS47. Results from these reviews, together with safety data will provide guidance on the treatment schedule and dosing for the Phase II portion of the study.

Based on Radiologic Evaluations, patients assigned a status of “Progressive Disease” following any such assessment were withdrawn from the study. At least one patient in each of the four cohorts dosed had a radiological assessment of “Stable Response”. Duration of treatment increased with each dose escalation up to Cohort 4. One patient in Cohort 3 was dosed for 6 cycles without disease progression. None of the patients treated to date have had a partial or complete response as defined by RECIST v1.1 definition.

On September 30, 2014, the Company announced the completion of a further interim data review for the first eight cohorts for the LDOS002 study. The review included all available data, including patient demographics, safety assessments, PK data, immunogenicity and radiological tumour assessments. The following observations were made:

- adverse events reported are those expected for investigational product and population under study;
- no Dose Limiting Toxicities (“DLTs”) have been reported;
- stable disease observed in radiological assessments of 12 of 24 (50%) of patients treated; and
- two patients completed six cycles of treatment each.

On September 8, 2015, the Company announced the presentation and update of the ongoing clinical study LDOS002 for the Company’s drug candidate L-DOS47 during the 16th World Conference on Lung Cancer held in Denver Colorado. The presentation included the following data:

- forty (40) patients were enrolled in the first twelve dosing cohorts;
- L-DOS47 was well tolerated at the dose levels up to 4.33 µg/kg;
- No DLTs were reported for Cohorts 1-12;
- One (1) DLT was reported for Cohort 13;
- adverse events reported to date were expected for the population under study;
- twenty-one (21) of the forty (40) patients had an overall response of stable disease based on radiological assessment after completing two cycles of L-DOS47;
- eleven (11) of these 21 patients continued with a response of stable disease based on radiological assessment after completing four cycles of L-DOS47;
- one patient in cohort 9 was dosed for ten 10 cycles (approximately seven (7) months) without disease progression;
- the study is currently enrolling patients in the thirteen dosing cohort (5.76 µg/kg).

On March 8, 2016, the Company announced the following approved changes by the central ethics committee overseeing the Phase I/II study in Poland as it relates to the Phase II component of the study, which the Company intends to initiate:

- There will be no further escalations of L-DOS47 past cohort 16. If there are no further dose limiting toxicities, the Cohort 16 dose, 13.55 µg/kg, will be the dose administered to patients in the Phase II dose.
- The safety profile supports a more frequent administration of L-DOS47. After reviewing safety, pharmacokinetic and immunogenicity data, L-DOS47 will be dosed twice weekly over 14 days (Days 1, 4, 8, 11) followed by a 7-day rest in the Phase II study.
- The number of patients in the Phase II study will be increased to 45 patients. Based on Simon’s optimal two-stage design, seventeen (17) evaluable patients will be enrolled in the first stage of the Phase II component of the study. If there is/are ≥ 1 response(s) out of these initial 17 evaluable patients, twenty-two (22) additional evaluable patients will need to be enrolled. To obtain 39 patients evaluable for response, enrolment of approximately 45 patients are needed.

On April 21, 2016, the Company announced the approval by the Trial Steering Committee to initiate the Phase II component of the LDOS002 study. On April 28, 2016, the Company announced the enrolment of the first patient in the Phase II component of the LDOS002 study. The first Phase II patient was dosed on May 10, 2016 and has now completed their first L-DOS47 cycle.

The Company continues to have insufficient cash resources to see the entire LDOS002 European Phase I/II clinical study in Poland through to completion. Given the Company’s limited current cash resources and the possibility of not being able to obtain additional financing on a timely basis, the Company may be required to reduce, delay or cancel one or more of its planned research and development programs, including clinical trials along with further reductions in overhead, any of which could impair the current and future value of the business.

Phase I/II clinical study (“LDOS003”)

A potential secondary yet unproven aspect of L-DOS47 action is the observation that an acidic pH microenvironment (< pH 6.8) may limit the effectiveness of weakly basic cytotoxic drugs employed in treatment of lung and other solid tumours. An acidic microenvironment is associated with protonation of these agents and decreased uptake and alkalinisation can result in enhanced agent uptake and cytotoxicity. Furthermore, extracellular acidity may also inhibit the active transport of some drugs. This raises the possible application of L-DOS47 to combination cancer therapies with agents which have little or no overlapping toxicities.

At the European Society of Medical Oncology (ESMO) 2016 Congress in Copenhagen, Denmark, preliminary results from the KEYNOTE-021 study, were presented which included patients with metastatic non-squamous NSCLC regardless of PD-L1 expression level. This new data suggests that KEYTRUDA® in combination with pemetrexed and platinum may become the standard of care for previously untreated patients with metastatic non-squamous NSCLC regardless of PD-L1 expression. As a result, the Company has decided to place on hold the commencement of this clinical study and prioritize the clinical studies that are currently ongoing.

Given the Company's limited current cash resources and the possibility of not being able to obtain additional financing on a timely basis, the Company may be required to reduce, delay or cancel one or more of its planned research and development programs, including clinical trials along with further reductions in overhead, any of which could impair the current and future value of the business.

Commercialization

The Company's commercialization objective with DOS47 is to eventually enter into a strategic partnering alliance with a large pharmaceutical company, on an individual or multiple drug candidate basis, such as L-DOS47 or any potential new DOS47 drug product candidate. In the meantime, the Company's objective is to continue generating value-adding clinical findings, which demonstrate the safety and efficacy of L-DOS47 in patients or any other new potential DOS47 drug candidate so as to maximize value for shareholders when entering into a strategic partnering alliance.

Market and Competition

Based on information published in "Cancer Facts and Figures 2016" by the American Cancer Society (www.cancer.org), lung cancer accounts for about 27% of all cancer deaths and is by far the leading cause of cancer death among men and women in the U.S. It is estimated that in 2015 there will be over 224,390 new lung cancer cases.

If detected early, surgical removal of the cancerous tissue is currently a patient's best option. However, in the vast majority of cases, the cancer is not typically identified until it has advanced to a level at which surgical intervention is no longer an option. In the cases of inoperable, locally advanced, recurrent or metastatic NSCLC and with no known targetable mutations, treatment strategies consist of one or more of today's leading chemotherapeutic drug regimens for lung cancer (e.g. platinum therapy together with certain leading chemotherapeutic drugs). Typically, these regimens relieve symptoms and, at best, delay progression of the disease.

Disease progression, even with targeted therapies, is highly likely to occur, and there are no clear guidelines and/or indications once such therapies fail. Maintenance therapy following the induction of first-line therapy is also a treatment strategy gaining support.

Immunotherapies such as immune checkpoint inhibitors that target Programmed Death 1 ("PD-1") or its ligands, Programmed Death Ligand 1 or 2 ("PD-L1" and "PD-L2") are showing significant clinical successes in NSCLC. On March 4, 2015 the FDA approved Nivolumab, the generic name for the trade drug named Opdivo®, which targets PD-1 for the treatment of metastatic squamous NSCLC with progression on or after platinum-based chemotherapy. More recently, on October 2, 2015, the FDA granted accelerated approval for Pembrolizumab, the generic name for the trade drug named Keytruda®, which targets PD-1 to treat patients with advanced metastatic NSCLC whose disease has progressed after other treatments and with tumours that express PD-L1. Anti-PD-L1 drugs such as MPDL3280A from Roche are also advancing rapidly through late stage clinical trials. The Company anticipates some of these approved drugs will eventually be approved as front line therapies for advanced stage NSCLC.

In 2015, three randomized Phase III trials found the immune checkpoint inhibitors nivolumab and pembrolizumab to have superior efficacy and less toxicity compared with second-line docetaxel chemotherapy in patients with NSCLC. For the first time, agents blocking a single pathway have shown significant benefit across multiple tumour types, with US Food and Drug Administration (FDA) approval in NSCLC, melanoma, and bladder and renal cell carcinoma. Now more than 1,000 immune checkpoint clinical trials are underway. Many possible treatment avenues are being explored with immune checkpoint inhibitors, including combinations with radiation, chemotherapy, targeted therapy, and other checkpoint inhibitors. Some studies are also investigating checkpoint inhibitors as front-line therapy.

These and other rapidly advancing immunotherapy treatments, currently in development, have the potential to significantly alter the treatment of cancer, not in just one cancer type but across many cancer types. As a result of these developments in immunotherapies, and in particular with the success of immunotherapies in the treatment of NSCLC, the Company is currently reassessing its L-DOS47 clinical program given that: (a) its target therapeutic indication, being inoperable, locally-advanced, recurrent or metastatic NSCLC, may be a good candidate to combine with the emerging best-in-class immunotherapies; and (b) leading therapeutics for such oncology applications have commonly been high revenue generators for the pharmaceutical sector. Technological competition from pharmaceutical companies, biotechnology companies and university researchers is intense and is expected to continue to be very intense. Many competitors and potential competitors have substantially greater product development capabilities and financial, scientific, marketing and human resources than the Company, providing them with a competitive advantage over the Company.

The Biphasix™ Topical Formulation System

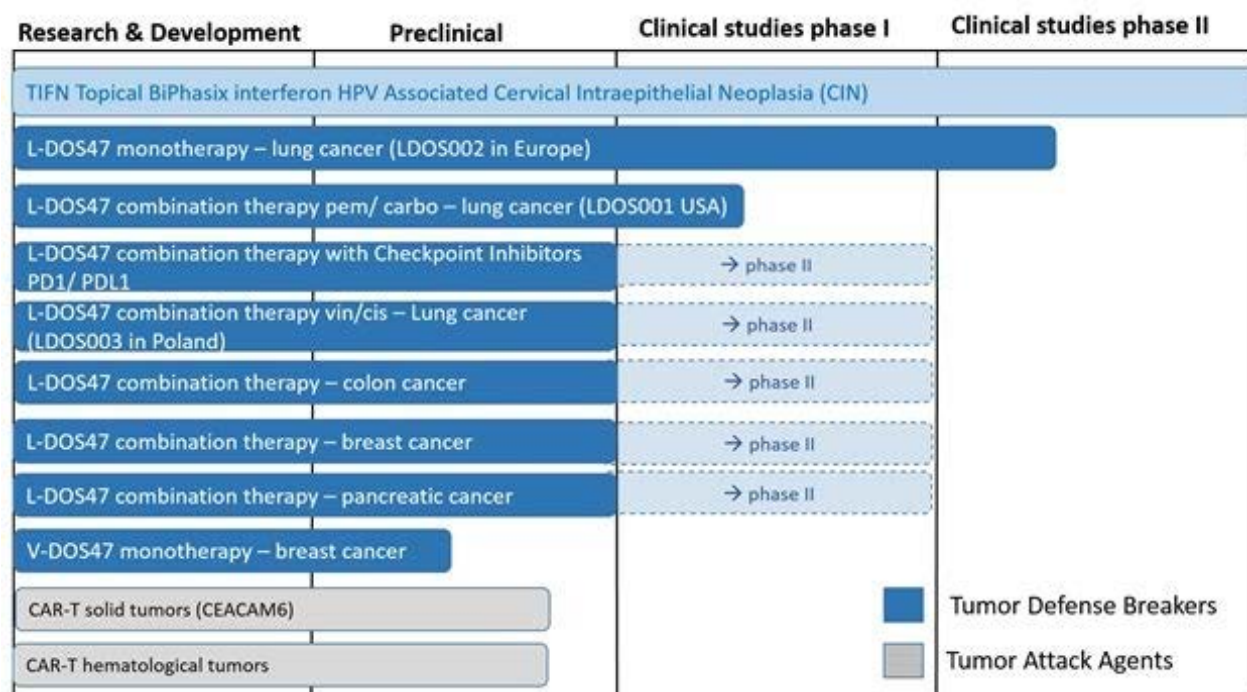
The Biphasix™ Topical Formulation System is a platform technology which the Company acquired and further developed for microencapsulating therapeutic compounds in multilayered, lipid-based microvesicles. These microvesicles have complex structures that include a variety of compartments into which drug molecules can be integrated. The principal application of the technology is in the preparation of topical dosage forms for the dermal (into the skin) or mucosal (into the mucosal tissues) delivery of large molecular weight drug compounds.

Topical Interferon Alpha-2b

The Company received investigational new drug (“IND”) approval by the FDA to conduct a U.S. Phase II/III clinical trial of Topical Interferon Alpha-2b in low-grade cervical dysplasia patients, as well as Clinical Trial Application (“CTA”) approval by the Bundesinstitut für Arzneimittel und Medizinprodukte and conditional CTA approval by the Medicines and Healthcare Regulatory Authority to conduct an identical European Phase III confirmatory trial in Germany and/or the United Kingdom, respectively.

Due to a lack of funding, a decision was made by the Company in fiscal 2012 to downsize and eventually close the Saskatoon laboratory which supported the Topical Interferon Alpha-2b drug development program, and focus any ongoing activities to sourcing and qualifying alternative interferon alpha-2b raw material samples, and finding suitable strategic partner(s) who would be willing to license or acquire the product and support the remaining development costs through to commercial launch. The Company has since ceased all activities related to Topical Interferon Alpha-2b, other than maintaining existing intellectual property associated with Topical Interferon Alpha-2b.

Product Pipeline



SELECTED FINANCIAL INFORMATION AND SUMMARY OF QUARTERLY RESULTS

The tables below reflect only selected annual and quarterly financial information of the Company’s continuing operations.

Net loss and total comprehensive loss from continuing operations, over the last eight quarters, ranged from a high of \$2,723,000 in fiscal Q2 2015 to a low of \$1,871,000 in fiscal Q3 of 2015 with fluctuations mainly dependant on the level of research and development activities and operating, general and administration expenses. Current initiatives in expanding the Eastern European clinical trials, initiating North American clinical trials and commencing with new R&D programs including VDOS in Eastern Europe are increasing costs in recent quarters.

The higher operating, general and administration expenditures in Q1 2016 reflects higher legal, investor and media relations and other consulting arrangements associated mainly with ongoing efforts by the Company to raise financing. The higher operating, general and administration expenditures in Q2 of fiscal 2015 were mainly the result of stock-based compensation expense for options granted to directors of the Company. In addition, Q4 2015 and Q2 2015 also included various expenditures associated with the Company’s exploration of growth alternatives.

In fiscal Q4 2016, the Company closed a private placement for net proceeds of \$1,488,000 and, in fiscal Q3 2016, the Company closed a private placement for net proceeds of \$3,957,000. In fiscal Q3 2015, the Company closed two private placements for net proceeds of \$8,243,000.

The following table depicts selected quarterly data from continuing operations for the fiscal year ended July 31, 2016:

	Q4	Q3	Q2	Q1
Revenue	\$ -	\$ -	\$ -	\$ -
Research and development	\$ 1,729,000	\$ 1,507,000	\$ 1,246,000	\$ 1,339,000
Operating, general and administration	\$ 872,000	\$ 748,000	\$ 957,000	\$ 1,259,000
Net loss and total comprehensive loss	\$ (2,604,000)	\$ (2,243,000)	\$ (2,226,000)	\$ (2,592,000)
Basic and diluted loss per common share	\$ (0.03)	\$ (0.02)	\$ (0.03)	\$ (0.03)
Weighted average number of common shares	87,988,842	84,861,587	84,683,201	84,654,815
Cash	\$ 3,654,000	\$ 4,929,000	\$ 2,523,000	\$ 5,008,000

The following table depicts selected quarterly data from continuing operations for the fiscal year ended July 31, 2015:

	Q4	Q3	Q2	Q1
Revenue	\$ -	\$ -	\$ -	\$ -
Research and development	\$ 983,000	\$ 1,216,000	\$ 1,442,000	\$ 1,244,000
Operating, general and administration	\$ 1,138,000	\$ 687,000	\$ 1,181,000	\$ 886,000
Net loss and total comprehensive loss	\$ (2,119,000)	\$ (1,871,000)	\$ (2,665,000)	\$ (2,125,000)
Basic and diluted loss per common share	\$ (0.02)	\$ (0.03)	\$ (0.03)	\$ (0.03)
Weighted average number of common shares	84,653,837	77,812,392	75,936,750	75,900,337
Cash	\$ 6,792,000	\$ 9,151,000	\$ 2,723,000	\$ 4,814,000

The following table depicts selected annual data from continuing operations for the fiscal years ended July 31:

	2016	2015	2014
Revenue	\$ -	\$ -	\$ -
Research and development expense	\$ 5,821,000	\$ 4,885,000	\$ 5,239,000
Operating, general and administration expense	\$ 3,836,000	\$ 3,892,000	\$ 3,496,000
Net loss and total comprehensive loss	\$ (9,665,000)	\$ (8,780,000)	\$ (8,682,000)
Deficit, end of year	\$ 145,321,000	\$ 135,656,000	\$ 126,926,000
Basic and diluted loss per common share	\$ 0.11	\$ 0.11	\$ 0.12
Weighted average number of common shares	85,550,926	78,592,444	70,955,132
Cash	\$ 3,654,000	\$ 6,792,000	\$ 6,980,000
Working capital	\$ 2,929,000	\$ 6,498,000	\$ 6,363,000
Non-current liabilities	\$ -	\$ -	\$ -
Total assets	\$ 4,468,000	\$ 7,796,000	\$ 7,853,000

RESULTS FROM OPERATIONS

Net loss and total comprehensive loss from continuing operations

The Company recorded a net loss and total comprehensive loss of \$9,665,000 (\$0.11 loss per common share) and \$8,730,000 (\$0.11 loss per common share) for the fiscal years ended 2016 and 2015, respectively.

Research & development

Research and development costs for fiscal 2016 and 2015 totalled \$5,821,000 and \$4,885,000, respectively.

The following table outlines research and development costs expensed and investment tax credits for the Company's significant research and development projects for the fiscal years ended July 31:

	2016	2015
L-DOS47	\$ 4,898,000	\$ 4,031,000
Corporate research and development expenses	709,000	567,000
Trademark and patent related expenses	244,000	339,000
Stock-based compensation expense	27,000	16,000
Depreciation expense	118,000	121,000
Research and development investment tax credit	(175,000)	(189,000)
	\$ 5,821,000	\$ 4,885,000

L-DOS47 research and development expenses for fiscal 2016 and 2015 totalled \$4,898,000 and \$4,031,000, respectively. L-DOS47 research and development expenditures relate primarily to ongoing expenditures towards the LDOS002 European Phase I/II clinical study in Poland and costs associated with the LDOS001 U.S. Phase I clinical study in the U.S. In 2016 there has been a significant movement into Phase 2 of the Polish trial and the opening of a Polish office with expanded operations.

Corporate research and development expenses for fiscal 2016 and 2015 totalled \$709,000 and \$567,000, respectively. Included in corporate research and development expenses for fiscal 2016 are the salaries of newly created Chief Operating officer and Chief Medical Officer positions along with Science Officer salary and R&D logistics expenses (sample shipments).

Trademark and patent related expenses for fiscal 2016 and 2015 totalled \$244,000 and \$339,000, respectively. Efforts were taken by the Company in the previous fiscal year to strengthen the DOS47 and Biphasix™ patent portfolios.

Operating, general and administration

Operating, general and administration expenses for the fiscal 2016 and 2015 totalled \$3,836,000 and \$3,892,000, respectively. Consulting services fees decreased in fiscal 2016, primarily as a result of factors related to Helix's termination of several third party consultants. This decrease was partially offset higher costs relating to senior management change overs. In late fiscal 2015, the Board approved a new policy regarding awarding options to directors, after a peer review with other comparable companies in the biotechnology sector.

CRITICAL ACCOUNTING ESTIMATES

The preparation of financial statements in conformity with IFRS requires management to make judgments, estimates and assumptions that affect the application of accounting policies and the reported amounts of assets and liabilities, revenue and expenses and the related disclosures of contingent assets and liabilities and the determination of the Company's ability to continue as a going concern. Actual results could differ materially from these estimates and assumptions. The Company reviews its estimates and underlying assumptions on an ongoing basis. Revisions are recognized in the period in which the estimates are revised and may impact future periods.

The areas involving a higher degree of judgment or complexity, or areas where assumptions and estimates are significant to the Company's financial statements have been set out in Note 1 of the Company's audited consolidated financial statement for the fiscal year ended July 31, 2016.

SIGNIFICANT ACCOUNTING POLICIES

The significant accounting policies used in preparing the Company's consolidated financial statements are described in Note 2 of the Company's audited consolidated financial statement for the fiscal year ended July 31, 2016, except for those related accounting policies and methods of computation related to any new accounting standards and pronouncements.

NEW ACCOUNTING STANDARDS AND PRONOUNCEMENTS NOT YET ADOPTED

New accounting standards and pronouncements issued but not yet effective up to the date of issuance of the Company's consolidated financial statements are listed below. This listing includes standards and interpretations issued, which the Company reasonably expects to be applicable at a future date. The Company intends to adopt those standards when they become effective. Certain pronouncements have been issued by the IASB or International Financial Reporting Interpretations Committee. Many of these updates are not applicable or are inconsequential to the Company and have been excluded from the discussion below:

The company has adopted IAS 1, Presentation of Financial Statements

The IASB issued amendments to IAS 1, Presentation of Financial Statements effective for annual periods beginning on or after January 1, 2015 as part of the IASB's disclosure initiative. These amendments encourage entities to apply professional judgment regarding disclosures and presentation in their financial statements. The Company has evaluated the impact of the new standard

on its results of operations, financial position and disclosures and has determined that applied judgment has resulted in minimal statement presentation and disclosure adjustments.

IFRS 9, Financial Instruments

The IASB has issued a new standard, IFRS 9, Financial Instruments ("IFRS 9"), which will ultimately replace IAS 39, Financial Instruments: Recognition and Measurement ("IAS 39"). The project had three main phases: classification and measurement, impairment and general hedging. The standard becomes effective for annual periods beginning on or after January 1, 2018 and is to be applied retrospectively. Early adoption is permitted. The Company is evaluating the impact of the new standard on its results of operations, financial position and disclosures.

IFRS 15, Revenue from Contracts with Customers

The IASB has issued a new standard, IFRS 15, Revenue from Contracts with Customers ("IFRS 15"). IFRS 15 contains a single model that applies to contracts with customers and two approaches to recognizing revenue: at a point in time or over time. The model features a contract-based five-step analysis of transactions to determine whether, how much and when revenue is recognized. New estimates and judgmental thresholds have been introduced, which may affect the amount and/or timing of revenue recognized. The standard becomes effective for annual periods beginning on or after January 1, 2018. The Company is evaluating the impact of the new standard on its results of operations, financial position and disclosures.

IFRS 16, Leases

In January 2016, the IASB has issued IFRS 16 *Leases* ("IFRS 16"), its new leases standard that requires lessees to recognize assets and liabilities for most leases on their balance sheets. Lessees applying IFRS 16 will have a single accounting model for all leases, with certain exemptions. Lessor accounting is substantially unchanged. The new standard will be effective from January 1, 2019 with limited early application permitted. The Company is evaluating the impact of the new standard on its results of operations, financial position and disclosures.

LIQUIDITY AND CAPITAL RESOURCES

Since inception, the Company has mainly relied on financing its operations from public and private sales of equity. The Company does not have any credit facilities and is therefore not subject to any externally imposed capital requirements or covenants.

The Company manages its liquidity risk by continuously monitoring forecasts and actual cash flow from operations and anticipated investing and financing activities.

The Company's cash reserves of \$3,654,000 as at July 31, 2016 are insufficient to meet anticipated cash needs for working capital and capital expenditures through the next twelve months, nor are they sufficient to see the current research and development initiatives through to completion. To the extent that the Company does not believe it has sufficient liquidity to meet its current obligations, management considers securing additional funds, primarily through the issuance of equity securities of the Company, to be critical for its development needs.

The Company's long-term liquidity depends on its ability to access the capital markets, which depends substantially on the success of the Company's ongoing research and development programs, as well as economic conditions relating to the state of the capital markets generally. Accessing the capital markets can be particularly challenging for companies that operate in the biotechnology industry.

While the Company has been able to raise equity financing in recent years, there can be no assurance that additional funding by way of equity financing will continue to be available. Any additional equity financing, if secured, would result in dilution to the existing shareholders and such dilution may be significant. The Company may also seek additional funding from or through other sources, including technology licensing, co-development collaborations, mergers and acquisitions, joint ventures, and other strategic alliances, which, if obtained, may reduce the Company's interest in its projects or products or result in significant dilution to existing shareholders. The Company may also seek additional funding from government grants. There can be no assurance, however, that any alternative sources of funding will be available. The failure of the Company to obtain additional financing on a timely basis may result in the Company reducing, delaying or cancelling one or more of its planned research, development and/or marketing programs, including clinical trials, further reducing overhead, or monetizing non-core assets, any of which could impair the current and future value of the business or cause the Company to consider ceasing operations and undergoing liquidation.

Given the Company's conclusion about the insufficiency of its cash reserves, significant doubt may be cast about the Company's ability to continue operating as a going concern. The continuation of the Company as a going concern for the foreseeable future depends mainly on raising sufficient capital, and in the interim, reducing, where possible, operating expenses (including making changes to the Company's research and development plans), including the delay of one or more of the Company's research and development programs, further reducing overhead and the possible disposition of assets.

The Company has a total number of, 89,247,937 common shares issued and outstanding as at July 31, 2016 and the Company's working capital on July 31, 2016 was \$2,929,000.

RELATED PARTY TRANSACTIONS

The key management personnel of the Company include the Chief Executive Officer, Chief Financial Officer, Chief Scientific Officer, Chief Operating Officer and the Chief Medical Officer. In addition to the aforementioned key management personnel, the table below also includes compensation for the former Interim Chief Executive Officer.

The following table summarizes key management personnel compensation for the fiscal years ended:

	2016	2015
Compensation	\$ 1,283,000	\$ 1,185,000
Stock-based compensation	53,000	76,000
	\$ 1,336,000	\$ 1,261,000

The following table summarizes non-management Directors' compensation for the fiscal years ended:

	2016	2015
Directors' fees	\$ 352,000	\$ 364,000
Stock-based compensation	150,000	340,000
Consultancy fee	-	3,000
	\$ 502,000	\$ 707,000

During the current fiscal year, a management consultancy agreement was entered into with the Company's CEO and Chairman of the Board. The agreement is to remain in effect until March 31, 2017.

The following table summarizes the Board Observer's compensation for the fiscal years ended:

	2016	2015
Finders fee commission	\$ 810,000	\$ 1,228,000
Financial and investor relations consulting	540,000	508,000
Expense reimbursement	80,000	91,000
	\$ 1,430,000	\$ 1,827,000

The Company entered into a non-exclusive financial and investor relations agreement with ACM Alpha Consulting Management EST ("ACMest"), effective May 1, 2012. On March 7, 2014, Mr. Andreas Kandziora was appointed as an Observer to the Board. Mr. Kandziora is President and Chief Executive Officer of ACMest.

Related party transactions are at arm's length and recorded at the amount agreed to by the related parties.

FINANCIAL INSTRUMENTS

Fair value hierarchy

Financial instruments recorded at fair value on the balance sheet are classified using a fair value hierarchy that reflects the significance of the inputs used in making the measurements. The fair value hierarchy has the following levels:

- Level 1 reflects valuation based on quoted prices observed in active markets for identical assets or liabilities;
- Level 2 reflects valuation techniques based on inputs that are quoted prices of similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; inputs other than quoted prices used in a valuation model that are observable for that instrument; and inputs that are derived principally from or corroborated by observable market data by correlation or other means; and
- Level 3 reflects valuation techniques with significant unobservable market inputs.

A financial instrument is classified to the lowest level of the hierarchy for which a significant input has been considered in measuring fair value. The financial instrument in the Company's financial statements, measured at fair value, is cash.

Fair value

The fair value of financial instruments as at July 31, 2016 and July 31, 2015 approximates their carrying value because of the near-term maturity of these instruments.

INTELLECTUAL PROPERTY

Patents and other proprietary rights are very valuable to the Company, even though the patent positions of biotechnology companies may be uncertain and involve complex legal and factual issues. The Company has no assurance that any of its patent applications will result in the issuance of any patents. Even issued patents may not provide the Company with a competitive advantage against competitors with similar technologies, or who have designed around the Company's patents. Furthermore, the Company's patents may be struck down if challenged. Intellectual property laws do not protect intellectual property to the same extent from one country to another.

Because of the substantial length of time and expense associated with developing new products, the pharmaceutical, medical device, and biotechnology industries place considerable importance on obtaining patent protection for new technologies, products, and processes. The Company's policy is to file patent applications to protect inventions, technology, and improvements that are important to the development of our business and with respect to the application of our products and technologies to the treatment of a number of disease indications. The Company's policy also includes regular reviews related to the development of each technology and product in light of its intellectual property protection, with the goal of protecting all key research and developments by patent.

The Company seeks intellectual property protection in various jurisdictions around the world and owns patents and patent applications relating to products and technologies in the United States, Canada, Europe and other jurisdictions. The scope and duration of our intellectual property rights vary from country to country depending on the nature and extent of our intellectual property filings, the applicable statutory provisions governing the intellectual property, and the nature and extent of our legal rights. The Company will continue to seek intellectual property protection as appropriate and require our employees, consultants, outside scientific collaborators, and sponsored researchers to enter into confidentiality agreements with us that contain assignment of invention clauses outlining ownership of any intellectual property developed during the course of the individual's relationship with us.

Tumor Defense Breaker™

On September 29, 2016 the company filed a Canadian Trade Mark Application for "TUMOR DEFENSE BREAKER". It is planned to expand this trademark in all major markets and territories where will aim to market the products once they receive marketing approval by appropriate regulatory authorities. On September 30, 2016, the Canadian Intellectual Property Office acknowledged receipt of the application. The company will be advised when the application is successful or rejected in at least 12 months' time. The company intends to use this trademark to market the novel technologies and assets it is developing to treat cancer.

DOS47

The Company currently owns two U.S. patents in respect of the DOS47 technology, and also has also licensed patent rights from the NRC for the antibody component of L-DOS47. With respect to non-U.S. patents, the Company owns 52 DOS47 related patents in other jurisdictions with a number of patent applications in countries around the world. The Company has recently filed a joint patent application in the U.S. with Amorfix to cover the antibody-DOS47 conjugates derived from their collaboration (see "*New potential DOS47 Candidates*" above). A new U.S. patent application to cover new features of the DOS47 technology was filed by the Company during fiscal 2013. During January 2014, an additional U.S. patent application covering specific L-DOS47 manufacturing and novel features was filed.

Cell Based Therapy

The company has recently filed a joint patent application with National Research Council of Cancer to protect the use of an antibody for use in cell based therapies. In addition, the company is in discussion with third parties to license additional intellectual properties to strengthen the company's portfolio.

Biphaxis™

The Company currently owns six U.S. Biphaxis™ patents.

OFF-BALANCE SHEET ARRANGEMENTS

The Company has no material off-balance sheet arrangements.

TABULAR DISCLOSURE OF CONTRACTUAL OBLIGATIONS

The Company's commitments are summarized as follows:

	2017	2018	2019	2020	2021	2022 and beyond	Total
Royalty and in-licensing (1)	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 30,000	\$ 80,000
Clinical research organizations (2)	3,245,000	1,107,000	—	—	—	—	4,352,000
Contract manufacturing organizations (3)	448,000	120,000	34,000	—	—	—	602,000
Collaborative research organizations (4)	506,000	—	—	—	—	—	506,000
V-DOS47 Co-funded project	125,000	398,000	647,000	670,000	466,000	132,000	2,438,000
Operating leases	75,000	61,000	63,000	—	—	—	199,000
Financial and investor relations (5)	352,000	—	—	—	—	—	352,000
	\$ 4,761,000	\$ 1,696,000	\$ 754,000	\$ 680,000	\$ 476,000	\$ 162,000	\$ 8,529,000

- (1) Represents future minimum royalties.
- (2) The Company has two Clinical Research Organization supplier agreements in place for clinical research services related to the management of the Company's LDOS002 European Phase I/II clinical study in Poland and LDOS001 U.S. Phase I clinical study in the U.S.
- (3) The Company has five separate contract manufacturing organization supplier agreements related to the Company's L-DOS47 program, all of which are interdependent in the manufacturing of L-DOS47.
- (4) The Company has a distribution services agreement associated with the fulfillment of L-DOS47 and ancillary medical items in support of the Company's LDOS002 European Phase I/II clinical study in Poland and LDOS001 U.S. Phase I clinical study in the U.S.
- (5) The Company has three financial advisor agreements, of which one includes investor relations services. The main agreement, which is with ACMest, expired on May 1, 2013, with provisions to continue on a month-to-month basis where notice to terminate requires a ninety-day written notice (also see *Related Party Transactions* section above).

QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

The Company's main objectives when managing capital are to ensure sufficient liquidity to finance research and development activities, clinical trials, ongoing administrative costs, working capital and capital expenditures. The Company includes cash and components of shareholders' equity, in the definition of capital. The Company endeavours not to unnecessarily dilute shareholders when managing the liquidity of its capital structure.

Currency risk

The Company operates internationally and is exposed to foreign exchange risks from various currencies, primarily the Euro and U.S. dollar. Foreign exchange risks arise from the foreign currency translation of the Company's integrated foreign operation in Ireland. In addition, foreign exchange risks arise from purchase transactions, as well as recognized financial assets and liabilities denominated in foreign currencies.

The Company has maintained minimal cash balances denominated in both Euro, U.S. dollars and Zloty due to Canadian dollar stability and strength against foreign currencies. Any fluctuation in the exchange rates of the foreign currencies listed could have an impact on the Company's results from operations; however, they would not impair or enhance the ability of the Company to pay its foreign-denominated expenses.

Balances in foreign currencies at are as follows:

	July 31, 2016			July 31, 2015		
	Euros	US Dollars	Zloty	Euros	US Dollars	Zloty
Cash	30,000	48,000	77,000	8,000	7,000	1,000
Accounts payable	(77,000)	(48,000)	—	(9,000)	(30,000)	—
Accruals	(82,000)	(165,000)	(90,000)	(162,000)	(2,000)	—
Net foreign currencies	(129,000)	(165,000)	(13,000)	(163,000)	(25,000)	1,000
Closing exchange rate	1.4594	1.3056	0.3345	1.4388	1.3047	0.3349
Impact of 1% change in exchange rate	+/- 1,000	+/- 1,000	+/-1,000	+/- 1,000	+/- 1,000	—

Any fluctuation in the exchange rates of the foreign currencies listed above could have an impact on the Company's results from operations; however, they would not impair or enhance the ability of the Company to pay its foreign-denominated expenses.

Credit risk

Credit risk is the risk of a financial loss to the Company if a customer or counterparty to a financial instrument fails to meet its contractual obligation.

The table below breaks down the various categories that make up the Company's accounts receivable balances:

	July 31, 2016	July 31, 2015
Accounts receivable		
Government related – HST/VAT	\$ 106,000	\$ 96,000
Research and development investment tax credits	380,000	388,000
Other	3,000	7,000
	<u>\$ 489,000</u>	<u>\$ 491,000</u>

Interest rate risk

Interest rate risk is the risk that future cash flows of a financial instrument will fluctuate because of changes in interest rates, which are affected by market conditions. The Company is exposed to interest rate risk arising from fluctuations in interest rates received on its cash. The Company does not have any credit facilities and is therefore not subject to any debt related interest rate risk.

The Company manages its interest rate risk by maximizing the interest income earned on excess funds while maintaining the liquidity necessary to conduct its operations on a day-to-day basis. Any investment of excess funds is limited to risk-free financial instruments. Fluctuations in the market rates of interest do not have a significant impact on the Company's results of operations due to the relatively short term maturity of any investments held by the Company at any given point in time and the low global interest rate environment. The Company does not use derivative instruments to reduce its exposure to interest rate risk.

Liquidity risk

Liquidity risk is the risk that the Company will not be able to meet its obligations as they come due.

Since inception, the Company has mainly relied on financing its operations from public and private sales of equity. The Company does not have any credit facilities and is therefore not subject to any externally imposed capital requirements or covenants.

The Company manages its liquidity risk by continuously monitoring forecasts and actual cash flow from operations and anticipated investing and financing activities.

The Company's cash reserves of \$3,654,000 as at July 31, 2016 are insufficient to meet anticipated cash needs for working capital and capital expenditures through the next twelve months, nor are they sufficient to see the current research and development initiatives through to completion. To the extent that the Company does not believe it has sufficient liquidity to meet its current obligations, management considers securing additional funds primarily through equity arrangements to be of utmost importance.

The Company's long-term liquidity depends on its ability to access the capital markets, which depends substantially on the success of the Company's ongoing research and development programs, as well as economic conditions relating to the state of the capital markets generally. Accessing the capital markets is particularly challenging for companies that operate in the biotechnology industry.

OUTSTANDING SHARE DATA

As at July 31, 2016, the Company had outstanding 89,247,937 common shares; warrants to purchase up to 21,684,000 common shares; and incentive stock options to purchase up to 1,686,484 common shares. As at September 30, 2016, the Company had outstanding 90,009,279 common shares; warrants to purchase up to 22,328,675 common shares; and incentive stock options to purchase up to 1,569,817 common shares.

DISCLOSURE CONTROLS AND PROCEDURES AND INTERNAL CONTROL OVER FINANCIAL REPORTING

Management has designed the Company's disclosure controls and procedures to provide reasonable assurance that all relevant information is gathered, recorded, processed, summarized and reported to the Chief Executive Officer ("CEO") and the Chief Financial Officer ("CFO") of the Company so that appropriate decisions can be made within the time periods specified in securities legislation regarding public disclosure by the Company in its annual filings, interim filings or other documents or reports required to be filed or submitted by it under securities legislation.

Management has also designed internal controls over financial reporting ("ICFR") to provide reasonable assurance regarding the reliability of the Company's financial reporting and the preparation of financial statements for external purposes in accordance with IFRS. Because of its inherent limitations, ICFR can provide only reasonable assurance and may not prevent or detect

misstatements. Further, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with policies or procedures may deteriorate.

The Company continues to address the remediation of previously identified material weaknesses. The specifics of the material weaknesses are described below along with the steps underway to remediate the material weaknesses:

- a) designating signing authorities resulting in bank accounts being opened by the Company's Polish subsidiary with only one signatory without compensating controls (Company policy requires two signatories and/or sufficient compensating controls to ensure the safeguarding of assets).
- b) a failure to adhere to Company standards with respect to the control environment throughout the management structure of the Company and its Polish subsidiary, including ineffective and non-timely communication and reporting with respect to corporate developments, commitments and public announcements by the Company's Polish subsidiary, and
- c) the calling of special shareholder meeting(s) by the Polish Subsidiary Board and use of a limited power of attorney without compliance of the Company's internal policies and procedures.

Status of material weakness remediation

Management has concluded that it needs to establish a clearly defined program of continuous education regarding corporate governance and Canadian public disclosure rule for certain employees, directors and certain consultants having direct involvement in the ongoing affairs of the Company's Polish subsidiary. At a minimum, a regular and formalized process of meetings by the Polish subsidiary management is required with written communication of all activities to be communicated on a timely basis back through to both the CEO and CFO of the Company.

Compensating controls have been established as a first step to deal with the Company's Polish subsidiary only having one signatory. The Compensating control requires the Chief Operating Officer of the parent company to provide oversight and approve disbursements in advance of paying vendors. The Company will be assessing the effectiveness of the compensating controls put in place and whether any additional controls may be required.

In addition, procedures are being established whereby any engagements, commitments and dissemination of news being contemplated by the Company's Polish subsidiary include the involvement of the parent company in order to ensure appropriate decisions can be made within the time periods specified in securities legislation in Canada regarding public disclosure by the Company in its annual filings, interim filings or other documents or reports required to be filed or submitted by it under securities legislation.

Lastly, all agreements being made by the Polish subsidiary will require two signatures, one of which must include the Polish subsidiary's CEO and any other one officer of the Polish subsidiary's management team.

As at July 31, 2016, the full remediation of the material weaknesses above is incomplete. Therefore, our CEO and CFO have concluded that our disclosure controls and procedures and our ICFR were not effective as of that date.

Although the CEO and CFO are not aware of these deficiencies having actually resulted in a material misstatement of a financial statement amount or disclosure, they have determined that, taken together, these deficiencies could result in business and accounting practices that could put both the Company's reputation and its financial reporting at risk and lead to uncertainty whether control procedures are being carried out such that the Company's ICFR may fail to prevent or detect a material misstatement of a financial statement amount or disclosure on a timely basis or fail to disclose material information required to be disclosed under securities legislation within the time periods specified in securities legislation. This material weakness in the Company's ICFR should also be considered a weakness in the Company's disclosure controls and procedures that is significant.

Except as noted above, there was no change in our ICFR that occurred during the fiscal quarter covered by this Management Discussion and Analysis that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

RISKS AND UNCERTAINTIES

Helix is subject to risks, events and uncertainties, or "risk factors", associated with being both a publicly traded company operating in the biopharmaceutical industry, and as an enterprise with several projects in the research and development stage. As a result of these risk factors, reported information and forward-looking information may not necessarily be indicative of future operating results or of future financial position, and actual results may vary from the forward-looking information or reported information. The Company cannot predict all of the risk factors, nor can it assess the impact, if any, of such risk factors on the Company's business or the extent to which any factor, or combination of factors, may cause future results or financial position to differ materially from either those reported or those projected in any forward-looking information. Accordingly, reported financial information and forward-looking information should not be relied upon as a prediction of future actual results. Some of the risks

and uncertainties affecting the Company, its business, operations and results which could cause actual results to differ materially from those reported or from forward-looking information include, either wholly or in part, those described elsewhere in this MD&A, as well as the following:

The Company does not have any source of operating income and is dependent solely on outside sources of financing

The Company's operations consist of research and development activities, which do not generate any revenue. Accordingly, the Company has no source of revenue, positive operating cash flow or operating earnings to subsidize its ongoing research and development and other operating activities. As a result, the Company will have to rely on cash on hand, and on outside sources of financing to fund its ongoing research and development and other operating activities. Such sources of financing involve risks, including that the Company will not be able to raise such financing on terms satisfactory to the Company or at all, and that any additional equity financing, if secured, would result in dilution to existing shareholders, and that such dilution may be significant.

The Company has a history of losses and expects to continue to incur additional losses for the foreseeable future

The Company's primary focus continues to be on its research and development of pharmaceutical product candidates. The research and development of pharmaceutical products requires the expenditure of significant amounts of cash over a relatively long time period. The Company expects to continue to incur losses from continuing operations, for the foreseeable future. The Company's cumulative deficit as at July 31, 2016 is \$145,321,000. There can be no assurance that the Company will record earnings in the future.

The Company requires additional funding

The Company's cash reserves will not be sufficient for the Company to fully fund its existing European Phase I/II clinical trial with L-DOS47 in Poland or its U.S. Phase I trial or any of the Company's other ongoing research and development, operating activities, working capital or capital expenditures for the next twelve months.

The Company has no sources of external liquidity, such as a bank loan or line of credit. The Company will therefore continue to rely on equity financing to fund its ongoing research and development activities and other expenses for the foreseeable future.

Equity financing has historically been the Company's primary source of funding; however, the market for equity financings for companies such as the Company is challenging. While the Company has been able to raise equity financing in recent years, there can be no assurance that additional funding by way of equity financing will continue to be available. Any additional equity financing, if secured, would result in dilution to the existing shareholders which may be significant. The Company may also seek additional funding from or through other sources, including grants, technology licensing, co-development collaborations, disposition of assets, mergers and acquisitions, joint ventures, and other strategic alliances, which, if obtained, may reduce the Company's interest in its projects or products or result in significant dilution to existing shareholders. There can be no assurance, however, that any alternative sources of funding will be available.

The failure of the Company to obtain additional financing on a timely basis may result in the Company reducing, delaying or cancelling one or more of its planned research and development, including any clinical trials, further reducing overhead, or monetizing non-core assets, any of which could impair the current and future value of the business or cause the Company to consider ceasing operations and undergoing liquidation.

Competition and technological change; Immunotherapies (cell based therapies)

The biotechnology and pharmaceutical industries are subject to rapid and substantial technological change. Technological competition from pharmaceutical companies, biotechnology companies and university researchers is intense and is expected to continue to be intense.

The rapid advancement of immunotherapies now has the potential to significantly change the treatment of cancer and may result in a reduction, which may be significant, in the potential patient population and/or treatment protocols available to chemotherapies and other treatments currently in development, such as the Company's primary drug product candidate, L-DOS47. Furthermore developments in immunotherapies may require the Company to reposition its L-DOS47 drug product candidate from a front line monotherapy to a combination therapy with immunotherapies or other treatment protocols, and any such repositioning, would likely result in additional expenses being incurred by the Company and in delays in the anticipated development timeline for L-DOS47, or in the Company determining that its L-DOS47 drug product candidate is no longer viable.

The Company cell based therapies initiative may face significant hurdles. The Company's effort is mainly at research proof-of-concept stage. It is possible that the selected targets or choice of antibodies are not optimal. This can delay the initiation of formal preclinical and clinical development significantly. The Company has chosen to develop cell based

therapy for solid tumour. While there are many successful examples of cell based therapy treatment in hematological malignancies, similar success in solid tumour is less certain.

The Company is conducting early stage research and development initiatives for products under development which may not be accepted by the market and may never generate revenue and the Company has limited sales, marketing and distribution experience

The Company is conducting early stage research and development initiatives and is currently in the process of developing new products that require further time consuming and costly research and development. It will be a number of years, if ever, before its products in development begin to generate revenues, if at all. There can be no assurance that any of the drug product candidates will ever be successfully developed or commercialized.

Even with regulatory approval, the Company may not achieve market acceptance, which depends on a number of factors, including the establishment and demonstration in the medical community of the clinical utility of the Company's products, and their potential advantage over alternative treatment methods. There is also the risk that the actual market size or opportunity for the Company's drug candidates is not certain. Failure to gain market acceptance of either of the Company's products currently under development or an incorrect estimate in the nature and size of their respective markets could have a material adverse effect on the Company.

The Company has limited sales, marketing and distribution experience, and there is no assurance that the Company will be able to establish adequate sales, marketing, and distribution capabilities or make arrangements with any collaborators, strategic partners, licensees, or others to perform such activities, or that such efforts will be successful. The Company's objective for its drug candidate products is to enter into strategic alliances with appropriate pharmaceutical partners. There can be no assurance that any such strategic alliance will be maintained or achieved, or if achieved, that it will result in revenue to the Company.

The timing of the Company's internal goals and projected timelines may not be met

The Company sets internal goals for and makes public statements regarding its expected timing of meeting the objectives material to its success, including the commencement, duration and completion of clinical trials and anticipated regulatory approvals. The actual timing of these forward-looking events can vary dramatically due to a number of factors, including, without limitation, delays in scaling-up of drug product candidates, delays or failures in clinical trials, additional data requirements from the regulators, the Company failing to obtain required financing, and other risks referred to herein. Without limiting the generality of the foregoing, it is possible that required regulatory approvals may be delayed or denied, including those related to undertaking or continuing clinical trials, manufacturing of drug products, and marketing such products.

The Company has expressed certain estimated timelines for its European Phase I/II clinical trials for L-DOS47 in Poland, the U.S. Phase I study. The timeline for the European Phase I/II trials and any future timelines are contingent on the Company having adequate financing to complete the trials and the assumption that the trials will be completed according to the current schedules. A failure to obtain necessary financing or a change in the schedule of the trials (which may occur if certain cost-deferral measures are taken, or due to factors beyond the Company's reasonable control, such as scheduling conflicts, the occurrence of serious adverse events, interruption of supplies of study drugs, withdrawals of regulatory approvals, or slow patient recruitment) could delay their commencement or completion, or result in their suspension or early termination, which could have a material adverse effect on the Company.

Intellectual property risks, including the loss of patent protection, the potential termination of licences, the inability to protect proprietary property, and possible claims of infringement against the Company or against a third-party from whom the Company licenses intellectual property

The Company's success depends, in part, on its ability to secure and protect its intellectual property rights and to operate without infringing on the proprietary rights of others or having third parties circumvent the rights owned or licensed by the Company. However, the Company cannot predict the enforceability of its patents or its ability to maintain trade secrets that may not be protected by patents. Patent risks include the fact that patent applications may not result in issued patents, issued patents may be circumvented, challenged, invalidated or insufficiently broad to protect the Company's products and technologies; blocking patents by third parties could prevent the Company from using its patented technology; it may be difficult to enforce patent rights, particularly in countries that do not have adequate legal enforcement mechanisms, and enforcing such rights may divert management attention and may cause the Company to incur significant expenses; and any expiry of an issued patent may negatively impact the underlying technology.

To protect its trade secrets, the Company enters into confidentiality undertakings with parties that have access to them, such as the Company's current and prospective distributors, collaborators, employees and consultants, but a party may breach the undertakings and disclose the Company's confidential information or competitors might learn of the information in some other way, which could have a material adverse effect on the Company.

The Company uses processes, technology, products, or information, the rights to certain of which are owned by others, such as a license from the NRC of the lung antibody used by the Company for L-DOS47. Termination or expiry of any licenses or rights during critical periods, and an inability to obtain them on commercially favourable terms or at all could have a material adverse effect on the Company and its drug candidates' development.

The Company operates in an industry that experiences substantial litigation involving the manufacture, use and sale of new products that are the subject of conflicting proprietary rights. The Company or one or more of its licensors may be subject to a claim of infringement of proprietary rights by a third party. It is possible that the Company's products and technologies do infringe the rights of third parties, and the Company or such licensor could incur significant expenses, and diversion of management attention, in defending allegations of infringement of proprietary rights, even if there is no infringement. Furthermore, the Company or such licensors may be required to modify its products or obtain licenses for intellectual property rights as a result of any alleged proprietary infringement. The inability to modify products or obtain licenses on commercially reasonable terms, in a timely manner or at all, could adversely affect the Company's business.

Research and development risks, including the need to prove the Company's drug candidates are safe and effective in clinical trials

The Company's drug candidates are complex compounds and the Company faces difficult challenges in connection with the manufacture of clinical batches of each of them, which could further delay or otherwise negatively affect the Company's planned clinical trials, or required regulatory approvals.

There is also the risk that the Company could obtain negative findings or factors that may become apparent during the course of research or development. The results from preclinical and clinical trials may not be predictive of results obtained in any ongoing or future clinical trials. A number of companies in the biotechnology and pharmaceutical industry have suffered significant setbacks in advanced clinical trials, even after achieving promising results in earlier trials and pre-clinical trials.

The timing and success of the Company's clinical trials also depend on a number of other factors, including, but not limited to: (a) obtaining additional financing, which is not assured; (b) sufficient patient enrolment, which may be affected by the incidence of the disease studied, the size of the patient population, the nature of the protocol, the proximity of patients to clinical sites, the eligibility criteria for a patient to participate in the study and the rate of patient drop-out; (c) regulatory agency policies regarding requirements for approval of a drug, including granting permission to undertake proposed human testing; (d) the Company's capacity to produce sufficient quantities and qualities of clinical trial materials to meet the trial schedule; (e) performance by third parties, on whom the Company relies to carry out its clinical trials; and (f) the approval of protocols and/or protocol amendments.

Clinical trials are complex, expensive and uncertain, and have a high risk of failure, which can occur at any stage. Data obtained from pre-clinical and clinical trials may be interpreted in different ways, or be incorrectly reported, which could delay or prevent further development of the drug candidate studied. Failure to complete clinical trials successfully and to obtain successful results on a timely basis could have a material adverse effect on the Company.

Even if the Company's drug candidates successfully complete the clinical trials and receive the regulatory approval necessary to market the drug candidates to the public, there is also the risk of unknown side effects, which may not appear until the drug candidates are on the market and may result in delay or denial of regulatory approval or withdrawal of previous approvals, product recalls or other adverse events, which could materially adversely affect the Company.

While the Company continues to explore opportunities to expand its drug product pipeline with new DOS47-based therapeutics pending the identification of further tumour targeting agents, there can be no assurance that any such tumour targeting agents will be identified or that any new DOS47-based therapeutics will be developed.

The Company is dependent on a number of third parties and the failure or delay in the performance of one of these third parties' obligations may adversely affect the Company

The Company is dependent on third parties to varying degrees in virtually all aspects of its business, including without limitation, on contract research organizations, contract manufacturing organizations, clinical trial consultants, raw material suppliers, collaborative research consultants, regulatory affairs advisers, medical and scientific advisors, clinical trial investigators, business service providers and other third parties. Critical supplies may not be available from third parties on acceptable terms, or at all, including GMP grade materials. Service providers may not perform, or continue to perform, as needed, or be available to provide the required services on acceptable terms or at all. Any lack of or interruption in supplies of raw materials or services, or any change in supply or service providers or any inability to secure new supply or service providers, would have an adverse impact on the development and commercialization of the Company's products. For example, the Company has previously experienced delays in the manufacturing of both engineering and clinical batches of L-DOS47, which have in turn caused delays in the progression of its development program, and there may be further delays. The Company relies on a third party for its supply of urease and if the contract with the third-party urease supplier is terminated early, the Company will have to find a new supplier of urease, as well as a new manufacturer

of bulk drug product for future clinical testing programs. There can be no assurance that a new supplier or manufacturer can be contracted in a timely manner or at all, and this could negatively impact the Company's development plans for L-DOS47.

With respect to L-DOS47, the Company is currently dependent on, in addition to third party suppliers, manufacturers and consultants, the NRC and its license to the Company of a lung cancer antibody in order to develop and commercialize L-DOS47. Early termination of the license with NRC would have a material adverse effect on the further development of L-DOS47 and may require the cessation of such development, which would have a material adverse effect on the Company.

Given the Company's lack of financing, expertise, infrastructure and other resources to support a new drug product from clinical development to marketing, the Company also requires strategic partner support to develop and commercialize its drug candidates. There can be no assurance that such strategic partner support will be obtained upon acceptable terms or at all.

The Company relies heavily on contract manufacturers for the production of product required for its clinical trials, product formulation work, scaling-up experiments and commercial production. The Company may not be able to obtain new, or keep its current, contract manufacturers to provide these services. Even if the Company does, contract manufacturers may not be reliable in meeting its requirements for cost, quality, quantity or schedule, or the requirements of any regulatory agencies. The Company may not be able to manufacture products in quantities or qualities that would enable the Company to meet its business objectives, and failure to do so would materially adversely affect the Company's business.

If the Company can successfully develop markets for its products, the Company would have to arrange for their scaled-up manufacture. There can be no assurance that the Company will, on a timely basis, be able to make the transition from manufacturing clinical trial quantities to commercial production quantities successfully or be able to arrange for scaled-up commercial contract manufacturing. Any potential difficulties experienced by the Company in manufacturing scale-up, including recalls or safety alerts, could have a material adverse effect on the Company's business, financial condition, and results of operations.

The marketability of the Company's products may be affected by delays and the inability to obtain necessary approvals, and following any market approval, the Company's products will be subject to ongoing regulatory review and requirements which may continue to affect their marketability, including but not limited to regulatory review of drug pricing, healthcare reforms or the payment and reimbursement policies for drugs by the various insurers and other payors in the industry

The research, development, manufacture and marketing of pharmaceutical products are subject to regulation by the FDA, and comparable regulatory authorities in other countries. These agencies and others regulate the testing, manufacture, safety and promotion of the Company's products. The Company must receive applicable regulatory approval of a product candidate before it can be commercialized in any particular jurisdiction. Approval by a regulatory authority of one country does not ensure the approval by regulatory authorities of other countries. Changes in regulatory approval policies or regulations during the development period may cause delays in the approval or rejection of an application. Regulatory authorities have substantial discretion in the approval process and may refuse to accept any application, or may decide that our data are insufficient for approval, or require additional preclinical, clinical or other trials and place the Company's IND submissions on hold for an indeterminate amount of time. The development and regulatory approval process in each jurisdiction takes many years, requires the expenditure of substantial resources, is uncertain and subject to delays, and can adversely affect the successful development and commercialization of our drug candidates.

Even if the Company obtains marketing approval in a particular jurisdiction, there may be limits on the approval and the Company's products likely will be subject to ongoing regulatory review and regulatory requirements in that jurisdiction. Pharmaceutical companies are subject to various government regulations, including without limitation, requirements regarding occupational safety, laboratory practices, environmental protection and hazardous substance control, and may be subject to other present and future regulations.

The availability of reimbursement by governmental and other third-party payors, such as private insurance plans, will affect the market for any pharmaceutical product, and such payors tend to continually attempt to contain or reduce the costs of healthcare. Significant uncertainty exists with respect to the reimbursement status of newly approved healthcare products.

The Company operates in an industry that is more susceptible than others to legal proceedings and, in particular, liability claims

The Company operates in an industry that is more susceptible to legal proceedings than firms in other industries, due to the uncertainty involved in the development of pharmaceuticals. Defense and prosecution of legal claims can be

expensive and time consuming, and may adversely affect the Company regardless of the outcome due to the diversion of financial, management and other resources away from the Company's primary operations. Negative judgments against the Company, even if the Company is planning to appeal such a decision, or even a settlement in a case, could negatively affect the cash reserves of the Company, and could have a material negative effect on the development of its drug products.

The Company may be exposed, in particular, to liability claims which are uninsured or not sufficiently insured, and any claims may adversely affect the Company's ability to obtain insurance in the future or result in negative publicity regarding the efficacy of its drug products. Such liability insurance is expensive, its ability is limited and it may not be available on terms that are acceptable to the Company, if at all.

The use of any of the Company's unapproved products under development, the use of its products in clinical trials, and, if regulatory approval is received, the sale of such products, may expose the Company to liability claims which could materially adversely affect the Company's business. The Company may not be able to maintain or obtain commercially reasonable liability insurance for future products, and any claims under any insurance policies may adversely affect its ability to maintain existing policies or to obtain new insurance on existing or future products. Even with adequate insurance coverage, publicity associated with any such claim could adversely affect public opinion regarding the safety or efficacy of the Company's products. As a result, any product liability claim or recall, including in connection with products previously sold by the Company through its former distribution business, could materially adversely affect the Company's business.

The Company is dependent upon key personnel; Director residency requirements

The Company's ability to continue its development of potential products depends on its ability to attract and maintain qualified key individuals to serve in management and on the Board. However, the Company does not currently have a formal succession plan for members of its senior management team or for its Board and, because competition for qualified key individuals with experience relevant to the industry in which the Company operates is intense, the Company may not be able to attract and/or retain such personnel. Additionally, applicable corporate law requires that at least 25% of the Company's directors be resident Canadians, and the Company's articles provide that the Company cannot have fewer than five directors at any time.

Consequently, if the Company is unable to attract and/or loses and is unable to replace key personnel, its business could be negatively affected and, in particular, if the Company loses one or more of its three current resident Canadian directors in the future and is unable to find a sufficient number of resident Canadian directors to fill the resulting vacancy(ies), the Board will be prevented from taking any action other than appointing additional resident Canadian directors until such time as a sufficient number of new resident Canadian directors have been appointed such that at least 25% of the Company's directors are resident Canadians.

In addition, the Company does not carry key-man insurance on any individuals.

Indemnification obligations to directors and officers of the Company may adversely affect the Company's finances

The Company has entered into agreements pursuant to which the Company has agreed to indemnify its directors and senior management in respect of certain claims made against them while acting in their capacity as such. If the Company is called upon to perform its indemnity obligations, its finances may be adversely affected.

The Company's finances may fluctuate based on foreign currency exchange rates

The Company operates internationally and is exposed to foreign exchange risks from various currencies, primarily the U.S. dollar and the Euro.

Dilution through exercise of stock options, warrants and future equity financings

To attract and retain key personnel, the Company has granted options to its key employees, directors and consultants to purchase common shares and share awards as non-cash incentives. In addition, the Company has a significant number of warrants to purchase common shares outstanding. The issuance of shares pursuant to share awards and the exercise of a significant number of such options and warrants may result in significant dilution of other shareholders of the Company.

As noted above, the Company needs additional funding and has historically turned to the equity markets to raise this funding. The future sale of equity and warrants may also result in significant dilution to the shareholders of the Company.

Volatility of share price and trading volumes

The price of the Company's shares, as well as market prices for securities of biopharmaceutical and drug delivery companies generally, have historically been highly volatile, and have from time to time experienced significant price and volume fluctuations that are unrelated to the operating performance of particular companies. Sales of substantial numbers of the Company's common shares could cause a decline in the market price of such common shares. There are minimum listing requirements for an issuer to maintain its listing on the Toronto Stock Exchange ("TSX"), and if the Company fails to maintain these listing requirements, it may be involuntarily delisted from the TSX. De-listing the Company or the Company shares from any securities exchange could have a negative effect on the liquidity of the Company shares and/or the ability of a shareholder to trade in shares of the Company, and could have an adverse effect on the Company's ability to raise future equity financings. The Company's common shares trade in a very low volume compared to the number of common shares outstanding. This means a shareholder could have difficulty disposing of common shares, especially if there are other shareholders of the Company trying to sell their shares in the Company at the same time. Volatility in share price and trading volumes could have an adverse effect on the Company's ability to raise future equity financings.

Trading in the Company's shares outside of Canada may be subject to restrictions on trading under foreign securities laws, and purchasers of securities under private placements by the Company will be subject to certain restrictions on trading

The Company's shares trade on the TSX and are freely tradeable only in Canada. As such, shareholders trading the Company's shares outside of Canada may be subject to restrictions imposed by foreign securities laws that may restrict their ability to transfer shares freely or at all. Certain securities offered by the Company pursuant to its private placements, including the unlisted warrants issued by the Company, are subject to certain initial hold periods and other restrictions on trading imposed by applicable securities laws and, in the case of the warrants, pursuant to the terms of the applicable warrant certificates. These restrictions may affect the liquidity of the investment of certain shareholders in the securities of the Company.

General economic conditions may have an adverse effect on the Company and its business

Continuing global economic volatility and uncertainty may have an adverse effect on the Company and its business, including without limitation the ability to raise additional financing, to obtain strategic partner support or commercialization opportunities and alliances for the Company's new drug candidates, and to obtain continued services and supplies.

The Company's business involves environmental risks that could result in accidental contamination, injury, and significant capital expenditures in order to comply with environmental laws and regulations

The Company and its commercial collaborators are subject to laws and regulations governing the use, manufacture, storage, handling and disposal of materials and certain waste products. Although the Company believes that its safety procedures comply with the regulations, the risk of accidental contamination or injury from these materials cannot be eliminated. In the event of such an accident, the Company could be held liable for any damages that result and any such liability could exceed the resources of the Company. The Company is not specifically insured with respect to this liability. The Company (or its collaborators) may be required to incur significant costs to comply with environmental laws and regulations in the future; and the operations, business or assets of the Company may be materially adversely affected by current or future environmental laws or regulations.

RISK FACTORS IN OTHER PUBLIC FILINGS

For all of the reasons set forth above, together with those additional risk factors identified under the headings "*Forward-Looking Statements*" and "*Risk Factors*" in the Company's most recent Annual Information Form filed under the Company's profile on SEDAR at www.sedar.com, investors should not place undue reliance on forward-looking information. Other than any obligation to disclose material information under applicable securities laws, the Company undertakes no obligation to revise or update any forward-looking information after the date hereof.

Data relevant to estimated market sizes and penetration for the Company's lead products under development are presented in this MD&A. This data has been obtained from a variety of published resources including published scientific literature, websites and information generally available through publicized means. The Company attempts to source reference data from multiple sources whenever possible for confirmatory purposes. Although the Company believes the foregoing data is reliable, the Company has not independently verified the accuracy and completeness of this data.

ADDITIONAL INFORMATION

Additional information relating to the Company's fiscal year ended July 31, 2016, is available under the Company's profile on SEDAR at www.sedar.com.
October 28, 2016



**Consolidated Financial Statements of Helix BioPharma Corp.
Years ended July 31, 2016 and 2015**

MANAGEMENT'S RESPONSIBILITY FOR FINANCIAL INFORMATION

The accompanying consolidated financial statements of Helix BioPharma Corp. and other financial information contained in this annual report are the responsibility of management. The consolidated financial statements have been prepared in conformity with International Financial Reporting Standards, using management's best estimates and judgments, where appropriate. In the opinion of management, these consolidated financial statements reflect fairly the financial position and the results of operations and cash flows of the Company within reasonable limits of materiality. The financial information contained elsewhere in this annual report has been reviewed to ensure consistency with that in the consolidated financial statements.

To assist management in discharging these responsibilities, the Company maintains an effective system of procedures and internal controls which is designed to provide reasonable assurance that its assets are safeguarded against loss from unauthorized use or disposition, that transactions are executed in accordance with management's authorization and that the financial records form a reliable base for the preparation of accurate and reliable financial information.

The Board of Directors ensures that management fulfills its responsibilities for the financial reporting and internal control. The Board of Directors exercises this responsibility through its independent Audit Committee comprising a majority of unrelated and outside directors. The Audit Committee meets periodically with management and annually with the external auditors to review audit recommendations and any matters that the auditors believe should be brought to the attention of the Board of Directors. The Audit Committee also reviews the consolidated financial statements and recommends to the Board of Directors that the statements be approved for issuance to the shareholders.

The consolidated financial statements have been audited by BDO Canada LLP, Chartered Professional Accountants, Licensed Public Accountants, which has full and unrestricted access to the Audit Committee. BDO Canada LLP's report on the consolidated financial statements is presented herein.

/s/ Sven Rohmann
Sven Rohmann
Chairman and Chief Executive Officer

/s/ Photios (Frank) Michalargias
Photios (Frank) Michalargias
Chief Financial Officer

October 28, 2016



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Independent Auditor's Report

To the Shareholders of Helix BioPharma Corp.

We have audited the accompanying consolidated financial statements of Helix BioPharma Corp., and its subsidiaries, which comprise the statements of financial position as at July 31, 2016 and July 31, 2015, the consolidated statements of net loss and comprehensive loss, changes in shareholders' equity, and cash flows for the years then ended and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of these consolidated financial statements in accordance with International Financial Reporting Standards, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We conducted our audits in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the consolidated financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the consolidated financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements.

We believe that the audit evidence we have obtained in our audits is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of Helix BioPharma Corp., as at July 31, 2016 and July 31, 2015, and its financial performance and its cash flows for the years then ended in accordance with International Financial Reporting Standards.

Emphasis of Matter

Without modifying our opinion, we draw attention to Note 1 in the consolidated financial statements, which indicates that Helix BioPharma Corp.'s cash of \$3,654,000 as at July 31, 2016 is insufficient to meet anticipated cash needs for working capital and capital expenditures through the next twelve months. This condition, along with other matters as set forth in Note 1 in the consolidated financial statements, indicate the existence of a material uncertainty that may cast significant doubt about Helix BioPharma Corp.'s ability to continue as a going concern.

/s/ BDO Canada LLP

Chartered Professional Accountants, Licensed Public Accountants
October 28, 2016
Markham, Ontario

HELIX BIOPHARMA CORP.

Consolidated Statement of Financial Position

In thousands of Canadian dollars

As at July 31, 2016 and 2015

As at:	July 31, 2016	July 31, 2015
ASSETS		
Non-current assets		
Property, plant and equipment (<i>note 4</i>)	\$ 235	\$ 329
	235	329
Current assets		
Prepaid expenses	90	184
Accounts receivable	489	491
Cash	3,654	6,792
	4,233	7,467
Total assets	\$ 4,468	\$ 7,796
SHAREHOLDERS' EQUITY AND LIABILITIES		
Shareholders' equity (<i>note 5</i>)	\$ 3,164	\$ 6,827
Current liabilities		
Accrued liabilities	589	707
Accounts payable	715	262
	1,304	969
Total liabilities and shareholders' equity	\$ 4,468	\$ 7,796

The accompanying notes are an integral part of these consolidated financial statements.

On behalf of the Board of Directors:

/s/ Sven Rohmann
Sven Rohmann,
Chair, Board of Directors

/s/ Albert G. Beraldo
Albert G. Beraldo,
Chair, Audit Committee

HELIX BIOPHARMA CORP.**Consolidated Statement of Net Loss and Comprehensive Loss**

Years ended July 31, 2016 and 2015 (In thousands of Canadian dollars, except per share amounts)

	2016	2015
Expenses		
Research and development	5,821	4,885
Operating, general and administration	3,836	3,892
Results from operating activities before finance items	(9,657)	(8,777)
Finance items		
Finance income	26	56
Finance expense	(17)	(13)
Foreign exchange gain (loss)	(17)	(46)
	(8)	(3)
Loss and total comprehensive loss from continuing operations	(9,665)	(8,780)
Gain from sale of discontinued operations	–	50
Net loss and total comprehensive loss	\$ (9,665)	\$ (8,730)
Loss per common share from continuing operations		
Basic	\$ (0.11)	\$ (0.11)
Diluted	\$ (0.11)	\$ (0.11)
Loss per common share		
Basic	\$ (0.11)	\$ (0.11)
Diluted	\$ (0.11)	\$ (0.11)
Weighted average number of common shares used in the calculation of basic and diluted loss per share	85,550,926	78,592,444

The accompanying notes are an integral part of these consolidated financial statements.

HELIX BIOPHARMA CORP.

Consolidated Statement of Changes in Shareholders' Equity

Years ended July 31, 2016 and 2015 (In thousands of Canadian dollars, except per share amounts)

In thousands of Canadian dollars, except common share and warrant numbers

	Common shares		Share purchase warrants		Options	Contributed surplus	Accumulated other comprehensive income		Total shareholders equity
	Amount	Number	Amount	Number			Deficit	(loss)	
Balances, July 31, 2014	\$ 107,079	75,900,337	\$12,634	22,400,084	\$4,059	\$ 9,965	\$(126,926)	\$ –	\$ 6,811
Net loss for the year	–	–	–	–	–	–	(8,730)	–	(8,730)
Common stock, issued	5,102	8,703,500	–	–	–	–	–	–	5,102
Warrants, issued	–	–	3,141	8,703,500	–	–	–	–	3,141
Warrants, expired unexercised	–	–	(6,950)	(11,155,000)	–	6,950	–	–	–
Stock-based compensation	–	–	–	–	436	–	–	–	436
Options, exercised	107	50,000	–	–	(40)	–	–	–	67
Options, expired unexercised	–	–	–	–	(1,540)	1,540	–	–	–
Balances, July 31, 2015	\$ 112,288	84,653,837	\$ 8,825	19,948,584	\$2,915	\$18,455	\$(135,656)	\$ –	\$ 6,827
Net loss for the year	–	–	–	–	–	–	(9,665)	–	(9,665)
Common stock, issued	3,365	4,355,000	–	–	–	–	–	–	3,365
Warrants, issued	–	–	2,081	4,355,000	–	–	–	–	2,081
Warrants, expired unexercised	–	–	(2,049)	(2,571,084)	–	2,049	–	–	–
Warrants, exercised	93	48,500	(20)	(48,500)	–	–	–	–	73
Stock-based compensation	–	–	–	–	230	–	–	–	230
Options, exercised	400	190,600	–	–	(147)	–	–	–	253
Options, expired unexercised	–	–	–	–	(1,286)	1,286	–	–	–
Cumulative Translation Adjustment	–	–	–	–	–	–	–	–	–
Balances, July 31, 2016	\$ 116,146	89,247,937	\$ 8,837	21,684,000	\$1,712	\$21,790	\$(145,321)	\$ –	\$ 3,164

The accompanying notes are an integral part of these consolidated financial statements.

HELIX BIOPHARMA CORP.**Consolidated Statement of Cash Flows**

Years ended July 31, 2016 and 2015 (In thousands of Canadian dollars)

	2016	2015
Cash flows from operating activities		
Net loss and total comprehensive loss from continuing operations	\$ (9,665)	\$ (8,780)
Items not involving cash:		
Depreciation of property, plant and equipment	134	133
Stock-based compensation	230	436
Foreign exchange loss	17	46
Change in non-cash working capital:		
Accounts receivable	2	(148)
Prepaid expenses	94	(102)
Accounts payable	453	(304)
Accrued liabilities	(118)	231
Net cash used in operating activities	(8,853)	(8,488)
Cash flows from financing activities		
Proceeds from the issuance of common shares and share purchase warrants, net of issue costs	5,445	8,243
Proceeds from the exercise of stock options	253	67
Proceeds from the exercise of warrants	74	—
Net cash provided by financing activities	5,772	8,310
Cash flows from investing activities		
Purchase of property, plant and equipment	(40)	(14)
Net cash used in investing activities	(40)	(14)
Foreign exchange loss on cash	(17)	(46)
Net decrease in cash from continuing operations	\$ (3,138)	\$ (238)
Net increase in cash from discontinued operations	\$ -	\$ 50
Cash, beginning of year	6,792	6,980
Cash, end of year	\$ 3,654	\$ 6,792

The accompanying notes are an integral part of these consolidated financial statements.

HELIX BIOPHARMA CORP.

Notes to Consolidated Financial Statements

Years ended July 31, 2016 and 2015

(Tabular dollar amounts in thousands of Canadian dollars, except per share amounts)

Helix BioPharma Corp. (the "Company"), incorporated under the *Canada Business Corporations Act*, is an immune-oncology company primarily focused in the areas of cancer prevention and treatment. The Company has funded its research and development activities, mainly through the issuance of common shares and warrants. The Company expects to incur additional losses and therefore will require additional financial resources, on an ongoing basis. It is not possible to predict the outcome of future research and development activities or the financing thereof.

1. Basis of presentation and going concern

These consolidated financial statements have been prepared on a going-concern basis, which assumes that the Company will continue in operation for the foreseeable future and, accordingly, will be able to realize its assets and discharge its liabilities in the normal course of operations. The Company's ability to continue as a going concern is dependent mainly on obtaining additional financing.

As at July 31, 2016, the Company does not have sufficient cash to meet anticipated cash needs for working capital and capital expenditures through the next twelve months. The Company incurred a net loss and total comprehensive loss of \$9,665,000 for the fiscal year ended July 31, 2016, reported a deficit of \$145,321,000 and had working capital of \$2,929,000 as at July 31, 2016. At present, provided the Company is not successful in obtaining additional financing, the Company's cash resources are expected to be fully depleted sometime in November/December of 2016. The Company will require additional financing in the near term and in the future to see the current research and development initiatives through to completion. There can be no assurance however, that additional financing can be obtained in a timely manner, or at all.

Not raising sufficient additional financing on a timely basis may result in delays and possible termination of all or some of the Company's research and development initiatives, and as a result, may cast significant doubt as to the ability of the Company to operate as a going concern and accordingly, the appropriateness of the use of the accounting principles applicable to a going concern. These consolidated financial statements do not include any adjustments to the carrying amount and classification of reported assets, liabilities and expenses that might be necessary should the Company not be successful in its aforementioned initiatives. Any such adjustments could be material. The Company cannot predict whether it will be able to raise the necessary funds it needs to continue as a going concern.

Statement of compliance

The Company's consolidated financial statements have been prepared in accordance with International Financial Reporting Standards ("IFRS") as issued by the International Accounting Standards Board ("IASB") and interpretations of the International Financial Reporting Interpretation Committee.

The consolidated financial statements of the Company were approved and authorized for issue by the Board of Directors on October 28, 2016.

Use of estimates and critical judgment

The preparation of the Company's financial statements requires management to make critical judgments, estimates and assumptions that affect the reported amounts of expenses, assets and liabilities, and the disclosure of contingent liabilities, at the reporting date. On an ongoing basis, management evaluates its judgments, estimates and assumptions using historical experience and various other factors it believes to be reasonable under the given circumstances. Actual outcomes may differ from these estimates that could require a material adjustment to the reported carrying amounts in the future.

The most significant critical estimates and judgments made by management include the following:

a) Going Concern

Significant judgments related to the Company's ability to continue as a going concern are disclosed in the first paragraph above in Note 1.

b) Clinical study expenses

Clinical study expenses are accrued based on services received and efforts expended pursuant to contract with contract research organizations ("CROs"), consultants, clinical study sites and other vendors. In the normal course of business, the Company contracts with third parties to perform various clinical study activities. The financial terms of these agreements vary from contract to contract and are subject to negotiations that may result in uneven payment outflows. Payments under the contracts depend on various factors such as the achievement of certain events, the successful enrolment of patients or the completion of portions of the clinical study and/or other similar conditions. The Company determines the accruals by reviewing contracts, vendor agreements and purchase orders, and through discussions with internal personnel and external providers as to the progress or stage of completion of the clinical studies or services and the agreed-upon fee to be paid for such services. However, actual costs

HELIX BIOPHARMA CORP.

Notes to Consolidated Financial Statements

Years ended July 31, 2016 and 2015

(Tabular dollar amounts in thousands of Canadian dollars, except per share amounts)

and timing of the Company's clinical studies is uncertain, subject to risk and may change depending upon a number of factors, including the Company's clinical development plans and trial protocols.

c) Valuation of share-based compensation and warrants

Management measures the costs for share-based compensation and warrants using market-based option valuation techniques. Assumptions are made and estimates are used in applying the valuation techniques. These include estimating the future volatility of the share price, expected dividend yield, future employee turnover rates, and future exercise behaviours. Such estimates and assumptions are inherently uncertain. Changes in these assumptions affect the fair value estimates of share-based payments and warrants.

d) Income taxes

Deferred tax assets, including those arising from unutilized tax losses, require management to assess the likelihood that the Company will generate future taxable income in future years in order to utilize any deferred tax asset which has been recognized. Estimates of future taxable income are based on forecasted cash flows. At the current statement of financial position date, no deferred tax assets have been recognized in these financial statements.

e) Impairment of long-lived assets

Long-lived assets are reviewed for impairment upon the occurrence of events or changes in circumstances indicating that the carrying value of the asset may not be recoverable. For the purpose of measuring recoverable amounts, assets are grouped at the lowest levels for which there are separately identifiable cash flows (cash-generating units). The recoverable amount is the higher of an asset's fair value less costs to sell and value in use (being the present value of the expected future cash flows of the relevant asset or cash-generating unit). An impairment loss is recognized for the amount by which the asset's carrying amount exceeds its recoverable amount. Management evaluates impairment losses for potential reversals when events or circumstances warrant such consideration.

Functional and presentation currency

The functional and presentation currency of the Company is the Canadian dollar.

2. Significant accounting policies

The accounting policies set out below have been applied consistently to all periods presented in these consolidated financial statements.

Basis of consolidation

These consolidated financial statements include the accounts of the Company and its subsidiaries listed below. Control is achieved when the Company has the power to govern the financial and operating policies of an entity so as to obtain benefits from its activities. Subsidiaries are fully consolidated from the date on which control is acquired by the Company. Inter-company transactions and balances are eliminated upon consolidation. They are de-consolidated from the date that control by the Company ceases. The consolidated financial statements include the assets and liabilities and results of operations of all subsidiaries after elimination of intercompany transactions and balances.

As at July 31, 2016, the subsidiaries of the Company include: Helix BioPharma Inc., incorporated in the USA, Helix Polska Sp.z.o.o., incorporated in Poland and Helix Product Development (Ireland) Limited, incorporated in Ireland. All these subsidiaries are 100% owned by Helix BioPharma Corporation.

Cash

The Company considers cash on hand, deposits in banks and bank term deposits with maturities of 90 days or less as cash.

Property, plant and equipment

Property, plant and equipment are recorded at cost less accumulated depreciation. Impairment charges are included in accumulated depreciation.

HELIX BIOPHARMA CORP.**Notes to Consolidated Financial Statements**

Years ended July 31, 2016 and 2015

(Tabular dollar amounts in thousands of Canadian dollars, except per share amounts)

Depreciation is provided using the following methods and estimated useful life:

Asset	Basis	Rate
Computer equipment and software	Straight line	3 years
Furniture and fixtures	Straight line	5 years
Research and manufacturing equipment	Straight line	6-10 years
Leasehold improvements	Straight line	Lease term

Research and development costs

Research costs are expensed as incurred. Development costs are expensed as incurred except for those which meet the criteria for deferral, in which case, the costs are capitalized and amortized to operations over the estimated period of benefit. No costs have been deferred to date.

Investment tax credits

The Company is entitled to Canadian federal and provincial investment tax credits, which are earned as a percentage of eligible research and development expenditures incurred in each taxation year. Investment tax credits are accounted for as a reduction of the related expenditure for items of a current nature and a reduction of the related asset cost for items of a capital nature, provided that the Company has reasonable assurance that the tax credits will be realized.

Stock-based compensation

The Company accounts for stock-based compensation and other stock-based payments made in exchange for goods and services provided by employees and non-employees in accordance with the fair value method. The fair value of stock options granted is determined at the appropriate measurement date using the Black-Scholes option pricing model, and generally expensed over the options' vesting period for employee awards. Awards with graded vesting are considered multiple awards for fair value measurement and stock-based compensation calculation. In determining the expense, the Company accounts for forfeitures using an estimate based on historical trends.

Foreign currency translation

The Company's currency of presentation is the Canadian dollar, which is also the Company's functional currency. Foreign currency-denominated items are translated into Canadian dollars. Monetary assets and liabilities in foreign currencies are translated into Canadian dollars at the rates of exchange in effect at the balance sheet dates. Non-monetary items are translated at historical exchange rates. Revenue and expenses are translated at the exchange rates prevailing at their respective transaction dates. Exchange gains and losses arising on translation are included in income.

Income taxes

The Company follows the asset and liability method of accounting for income taxes. Under this method, deferred income tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of certain existing assets and liabilities and their respective tax bases. Deferred income tax assets and liabilities are measured using enacted or substantively enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the date of substantive enactment. Given the Company's history of net losses and expected future losses, the Company is of the opinion that it is probable that these tax assets will not be realized in the foreseeable future and therefore, the deferred tax asset has not been recognized.

Financial instruments

Financial assets and financial liabilities are initially recorded at fair value and their subsequent measurements are determined in accordance with their classification. The classification depends on the purpose for which the financial instruments were acquired or issued and their characteristics. Cash is classified as a held-for-trading assets and is accounted for at fair value. Accounts receivable are classified as loans and receivables, and after initial recognition are recorded at amortized cost. Accounts payable and accrued liabilities are classified as other financial liabilities, and after initial recognition are recorded at amortized cost.

Impairment

(i) Financial assets:

A financial asset not carried at fair value through profit or loss is assessed at each reporting date to determine whether there is objective evidence that it is impaired. A financial asset is impaired if objective evidence indicates that a loss event has occurred after the initial recognition of the asset, and that the loss event had a negative effect on the estimated future cash flows of that asset that can be estimated reliably.

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An impairment test is performed, on an individual basis, for each material financial asset. Other individually non-material financial assets are tested as groups of financial assets with similar risk characteristics. Impairment losses are recognized in income.

An impairment loss in respect of a financial asset measured at amortized cost is calculated as the difference between its carrying amount and the present value of the estimated future cash flows discounted at the asset's original effective interest rate. Losses are recognized in income and reflected in an allowance account against the respective financial asset. Interest on the impaired asset continues to be recognized through the unwinding of the discount. When a subsequent event causes the amount of impairment loss to decrease, the decrease in impairment loss is reversed through income for all financial assets except available-for-sale equity securities.

(ii) Non-financial assets:

The carrying amounts of the Company's non-financial assets are reviewed at each reporting date to determine whether there is any indication of impairment. If such an indication exists, the recoverable amount is estimated.

The recoverable amount of an asset or a cash-generating unit is the greater of its value in use and its fair value less costs to sell. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset or cash-generating unit. For the purpose of impairment testing, assets that cannot be tested individually are grouped together into the smallest group of assets that generates cash inflows from continuing use that are largely independent of cash inflows of other assets or cash-generating units. An impairment loss is recognized if the carrying amount of an asset or its related cash-generating unit exceeds its estimated recoverable amount.

Impairment losses recognized in prior periods are assessed each reporting date for any indications that the loss has decreased or no longer exists. An impairment loss is reversed if there has been a change in the estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation, if no impairment loss had been recognized.

Basic and diluted loss per common share

Basic loss per share is computed by dividing the net loss available to common shareholders by the weighted average number of shares outstanding during the reporting period. Diluted loss per share is computed similarly to basic loss per share, except that the weighted average shares outstanding are increased to include additional shares for the assumed exercise of stock options and warrants, if dilutive. The number of additional shares is calculated by assuming that outstanding stock options and warrants were exercised and that the proceeds from such exercises were used to acquire common stock at the average market price during the reporting periods. The inclusion of the Company's stock options and warrants in the computation of diluted loss per share has an anti-dilutive effect on the loss per share and, therefore, they have been excluded from the calculation of diluted loss per share.

Government Grants and Disclosure of Government Assistance

Government grant funds are recognized in income when there is reasonable assurance that the Company has complied with the conditions attached to them and that the grant funds will be received. Grant funds receivable are recognized in income over the periods in which the entity recognizes as expenses, the related costs for which the grant is intended to compensate.

3. New accounting standards and pronouncements not yet adopted

The company has adopted IAS 1, Presentation of Financial Statements

The IASB issued amendments to IAS 1, Presentation of Financial Statements effective for annual periods beginning on or after January 1, 2015 as part of the IASB's disclosure initiative. These amendments encourage entities to apply professional judgment regarding disclosures and presentation in their financial statements. The Company has evaluated the impact of the new standard on its results of operations, financial position and disclosures and has determined that applied judgment has resulted in minimal statement presentation and disclosure adjustments.

New accounting standards and pronouncements issued but not yet effective up to the date of issuance of the Company's consolidated financial statements are listed below. This listing includes standards and interpretations issued, which the Company reasonably expects to be applicable at a future date. The Company intends to adopt those standards when they become effective.

Certain pronouncements have been issued by the IASB or International Financial Reporting Interpretations Committee. Many of these updates are not applicable or are inconsequential to the Company and have been excluded from the discussion below:

IFRS 9, Financial Instruments

The IASB has issued a new standard, IFRS 9, Financial Instruments ("IFRS 9"), which will ultimately replace IAS 39, Financial Instruments: Recognition and Measurement ("IAS 39"). The project had three main phases: classification and measurement,

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impairment and general hedging. The standard becomes effective for annual periods beginning on or after January 1, 2018 and is to be applied retrospectively. Early adoption is permitted. The Company is evaluating the impact of the new standard on its results of operations, financial position and disclosures.

IFRS 15, Revenue from Contracts with Customers

The IASB has issued a new standard, IFRS 15, Revenue from Contracts with Customers ("IFRS 15"). IFRS 15 contains a single model that applies to contracts with customers and two approaches to recognizing revenue: at a point in time or over time. The model features a contract-based five-step analysis of transactions to determine whether, how much and when revenue is recognized. New estimates and judgmental thresholds have been introduced, which may affect the amount and/or timing of revenue recognized. The standard becomes effective for annual periods beginning on or after January 1, 2018. The Company is evaluating the impact of the new standard on its results of operations, financial position and disclosures.

IFRS 16, Leases

In January 2016, the IASB has issued IFRS 16 *Leases* ("IFRS 16"), its new leases standard that requires lessees to recognize assets and liabilities for most leases on their balance sheets. Lessees applying IFRS 16 will have a single accounting model for all leases, with certain exemptions. Lessor accounting is substantially unchanged. The new standard will be effective from January 1, 2019 with limited early application permitted. The Company is evaluating the impact of the new standard on its results of operations, financial position and disclosures.

4. Property, plant and equipment

	2016			2015		
	Cost	Accumulated depreciation	Net book value	Cost	Accumulated depreciation	Net book value
Research equipment	\$ 1,306	\$ 1,106	\$ 200	\$ 1,303	\$ 1,042	\$ 261
Manufacturing equipment	1,555	1,553	2	1,555	1,499	56
Leasehold improvements	370	370	–	370	370	–
Computer equipment	244	211	33	207	196	11
Computer software	89	89	–	89	89	–
Furniture and fixtures	19	19	–	19	18	1
	\$ 3,583	\$ 3,348	\$ 235	\$ 3,543	\$ 3,214	\$ 329

5. Shareholders' equity*Preferred shares*

Authorized 10,000,000 preferred shares.

As at July 31, 2016 and 2015 the Company had nil preferred shares issued and outstanding.

Common shares and share purchase warrants

Authorized unlimited common shares without par value.

As at July 31, 2016 the Company had 89,247,937 (2015 – 84,653,837) common shares issued and outstanding.

On April 1, 2015 the Company completed a private placement, issuing 5,430,000 units at \$1.10 per unit, for gross proceeds of \$5,973,000. Each unit consists of one common share and one common share purchase warrant. Each common share purchase warrant entitles the holder to purchase one common share at a price of \$1.54 until March 30, 2020. Of the gross proceeds amount, \$2,266,000 was allocated to the share purchase warrants based on fair value and the residual amount of \$3,707,000 was allocated to common stock. Share issue costs totalling \$836,000 were proportionately allocated to the share purchase warrants (\$317,000) and common stock (\$519,000), respectively.

On April 29, 2015 the Company completed a private placement, issuing 3,273,500 units at \$1.10 per unit, for gross proceeds of \$3,601,000. Each unit consists of one common share and one common share purchase warrant. Each common share purchase warrant entitles the holder to purchase one common share at a price of \$1.54 until April 28, 2020. Of the gross proceeds amount, \$1,382,000 was allocated to the share purchase warrants based on fair value and the residual amount of \$2,219,000 was allocated to common stock. Share issue costs totalling \$495,000 were proportionately allocated to the share purchase warrants (\$190,000) and common stock (\$305,000), respectively.

On April 11, 2016 the Company completed a private placement, issuing 3,105,000 units at \$1.50 per unit, for gross proceeds of \$4,658,000. Each unit consists of one common share and one common share purchase warrant. Each common share purchase warrant entitles the holder to purchase one common share at a price of \$1.98 until April 10, 2021. Of the gross proceeds amount,

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\$1,770,000 was allocated to the share purchase warrants based on fair value and the residual amount of \$2,888,000 was allocated to common stock. Share issue costs totalling \$700,000 were proportionately allocated to the share purchase warrants (\$266,000) and common stock (\$434,000), respectively.

On July 29, 2016 the Company completed a private placement, issuing 1,250,000 units at \$1.46 per unit, for gross proceeds of \$1,825,000. Each unit consists of one common share and one common share purchase warrant. Each common share purchase warrant entitles the holder to purchase one common share at a price of \$1.82 until July 28, 2021. Of the gross proceeds amount, \$707,000 was allocated to the share purchase warrants based on fair value and the residual amount of \$1,118,000 was allocated to common stock. Share issue costs totalling \$336,000 were proportionately allocated to the share purchase warrants (\$130,000) and common stock (\$206,000), respectively.

The following table provides information on share purchase warrants outstanding as at:

Exercise Price	July 31, 2016		July 31, 2015	
	Weighted average remaining contractual life (in years)	Number of share purchase warrants outstanding	Weighted average remaining contractual life (in years)	Number of share purchase warrants outstanding
\$1.54	3.67	5,430,000	4.67	5,430,000
\$1.54	3.75	3,250,000	4.75	3,273,500
\$1.61	2.25	4,653,000	3.25	4,678,000
\$1.82	4.99	1,250,000	—	—
\$1.98	4.70	3,105,000	—	—
\$2.24	2.94	3,996,000	3.94	3,996,000
\$3.35	—	—	.66	1,652,719
\$3.35	—	—	.66	918,365
Outstanding, end of year		21,684,000		19,948,584

Stock options

The Company's equity compensation plan reserves up to 10% of the Company's outstanding common stock from time to time for granting to directors, officers and employees of the Company or any person or company engaged to provide ongoing management or consulting services. Based on the Company's current issued and outstanding common shares as at July 31, 2016, options to purchase up to 8,924,793 common shares may be granted under the plan. As at July 31, 2016, options to purchase a total of 1,686,484 common shares have been issued and are outstanding under the equity compensation plan.

The following table provides information on options outstanding and exercisable as at:

Exercise Price	July 31, 2016			July 31, 2015		
	Weighted average remaining contractual life (in years)	Number of options outstanding	Number of vested and exercisable options	Weighted average remaining contractual life (in years)	Number of options outstanding	Number of vested and exercisable options
\$1.30	0.92	200,000	200,000	1.92	250,000	250,000
\$1.34	2.25	234,400	234,400	2.90	425,000	425,000
\$1.50	3.46	300,000	199,998	4.46	300,000	100,002
\$1.65	3.26	150,000	99,999	4.26	150,000	50,001
\$1.68	0.38	692,084	692,084	1.38	692,084	692,084
\$2.00	3.99	110,000	20,000	4.77	60,000	—
\$2.43	—	—	—	0.05	358,000	358,000
\$3.00	—	—	—	.99	495,000	495,000
Outstanding, end of year	1.57	1,686,484	1,466,481	1.99	2,730,084	2,370,087

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The following table summarized activity under the Company's stock option plan for the fiscal years ended July 31, 2016 and 2015:

	July 31, 2016		July 31, 2015	
	Number	Weighted average exercise price	Number	Weighted average exercise price
Outstanding, beginning of year	2,730,084	\$ 1.92	3,338,084	\$ 2.12
Granted	50,000	2.00	510,000	1.60
Exercised	(190,600)	1.33	(50,000)	1.34
Expired	(903,000)	2.68	(1,068,000)	2.43
Outstanding, end of year	1,686,484	\$ 1.57	2,730,084	\$ 1.92
Vested and exercisable, end of year	1,466,481	\$ 1.56	2,370,087	\$ 1.96

Weighted average market share prices for stock options exercised during the fiscal years 2016 and 2015 were \$1.97 and \$1.65 respectively.

The fair value of each option granted was estimated on the date of grant using the Black-Scholes option pricing model with the following assumptions:

Grant Date	Number of options granted	Volatility factor	Risk free interest rate	Dividend rate	Expected life	Vesting period	Fair value of options granted
November 2, 2015	50,000	80.47 %	0.73 %	0.00 %	5 years	3 years	\$ 61
May 8, 2015	60,000	80.27 %	0.91 %	0.00 %	5 years	3 years	\$ 72
January 16, 2015	300,000	79.56 %	1.02 %	0.00 %	5 years	3 years	\$ 333
November 3, 2014	150,000	78.61 %	1.37 %	0.00 %	5 years	3 years	\$ 160
November 1, 2013	475,000	76.69 %	1.62 %	0.00 %	5 years	1 year	\$ 379
July 3, 2012	250,000	62.16 %	1.25 %	0.00 %	5 years	3 years	\$ 170
December 17, 2008	2,070,000	64.30 %	2.44 %	0.00 %	8 years	3 years	\$ 2,525

For the year ended July 31, 2016, 169,994 stock options vested (2015 – 708,336) with a fair value of \$188,353 (2015 – \$600,142).

6. Commitments, contingent liabilities and contingent assets

The Company's commitments are summarized as follows:

	2017	2018	2019	2020	2021	2022 and beyond	Total
Royalty and in-licensing	\$ 10	\$ 10	\$ 10	\$ 10	\$ 10	\$ 30	\$ 80
Clinical research organizations	3,245	1,107	–	–	–	–	4,352
Contract manufacturing organizations	448	120	34	–	–	–	602
Collaborative research organizations	506	–	–	–	–	–	506
VDOS47 Co-funded project	125	398	647	670	466	132	2,438
Operating leases	75	61	63	–	–	–	199
Financial and investor relations	352	–	–	–	–	–	352
	\$ 4,761	\$ 1,696	\$ 754	\$ 680	\$ 476	\$ 162	\$ 8,529

Royalty and in-licensing commitments

Pursuant to a Royalty Agreement dated March 27, 1997 with University of Saskatchewan Technologies Inc. ("UST"), the Company is required to pay UST a royalty of 2% of the net sales revenue generated from certain products containing prostaglandin E₁, and in the case of sub-licenses of such products, 15% of the non-royalty considerations (up-front payments) received from the sub-licensee.

Pursuant to an Amended Royalty Agreement, effective November 1, 1999, the Company is required to pay royalties of 2% of the Company's net sales revenue received from the marketing, manufacture, distribution or sale of certain products, or in the case of sub-license revenue, 2% of license fees or other revenue received by the Company related to the marketing, manufacture, distribution or sale of certain products, which revenue is not allocated by the Company to the further development of the product. Any future revenue generated through the commercialization of Topical Interferon Alpha-2b is subject to this royalty agreement, which expires on March 27, 2017.

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Pursuant to an agreement dated April 28, 2005 with the National Research Council of Canada, the Company is required to pay a royalty of 3% of net sales, with a minimum royalty of \$10,000 per annum generated from the use of a certain antibody to target cancerous tissues of the lung. In addition to the royalty payments, the Company is also required to make certain milestone payments: \$25,000 upon successful completion of Phase I clinical trials; \$50,000 upon successful completion of Phase IIb clinical trials; \$125,000 upon successful completion of Phase III clinical trials; and \$200,000 upon receipt of market approval by regulatory authority. L-DOS47 is subject to this agreement.

As at July 31, 2016, the Company has \$80,000 (2015 – \$90,000) in financial obligations outstanding related to royalty and in-licensing commitments.

Clinical Research Organization (“CRO”) Commitments

The Company has two CRO supplier agreements in place for clinical research services related to the management of the Company's Phase I and Phase 2 clinical study in Europe of L-DOS47.

As at July 31, 2016, the Company accrued \$446,000 (2015 – \$261,000) for services provided by these CRO's.

Contract Manufacturing Organization (“CMO”) commitments

The Company has five separate CMO supplier agreements related to the Company's L-DOS47 program, all of which are inter-dependant in the manufacturing of L-DOS47.

As at July 31, 2016, the Company accrued \$0 (2015 – \$25,000) for CMO services it had received and is committed to pay \$nil for additional services.

Collaborative Research Organization Service Commitments

The Company has one collaborative research agreement relating to the Company's L-DOS47 program. The nature of the services includes assay development, animal studies and imaging and ongoing future clinical sample analysis.

As at July 31, 2016, the Company accrued \$82,000 (2015 – 69,000) for collaborative research organizations services it had received.

Research and development distribution services

The Company has a distribution services agreement associated with the fulfillment of L-DOS47 and ancillary medical items in support of the Company's L-DOS47 European Phase I study.

As at July 31, 2016, the Company accrued \$19,000 (2015 – \$6,000) for research and development distribution services received.

Operating lease commitments

The Company is committed to pay \$199,000 under three facility lease agreements with lease terms up to 36 months for the Toronto premises.

Financial and investor relations agreements

The Company entered into a non-exclusive financial and investor relations agreement with ACM Alpha Consulting Management EST (“ACMest”), effective May 1, 2012. The agreement may now be terminated by either party at any time upon ninety days written notice to the other party. On March 7, 2014, Mr. Andreas Kandziora was asked to act as an Observer on the Board of Directors of the Company. Mr. Kandziora is President and CEO of ACM. The agreement includes the following provisions:

- a) a monthly fee for investor relation services of CHF33,000 and reimbursement of certain expenses;
- b) a 12.5% fee on the gross proceeds on any capital raised up to six months after the termination of this agreement from an ACMest introduced investor with residency outside Canada and the U.S.;
- c) a 12.5% fee on the value of a transaction up to twelve months after the termination of this agreement from an ACMest introduced strategic partner, including but not limited to, any cash payments to the Company as an up-front payment, any co-development proceeds, any milestone payments and any royalties associated with the transaction; and
- d) a 12.5% fee on the gross proceeds of any capital raised up to twelve months after the termination of this agreement from an ACMest introduced strategic partner.

At July 31, 2016, the Company accrued \$251,000 (2015 – \$45,000) for services provided by ACM. During fiscal 2016, the Company paid ACM \$540,000 (2015 - \$508,000) in monthly fees, \$80,000 (2015- \$91,000) for expense reimbursements and

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\$810,000 (2015 - \$1,228,000) in finders' fees on gross proceeds on capital raised from private placements (also see *Note 9 – Related Party Transactions*).

The Company engaged Cantor Fitzgerald & Co. ("Cantor"), effective December 1, 2014, to act as the Company's exclusive financial advisor with any transaction with or involving any acquiree by the Company. A non-refundable fee of USD75,000 was paid to Cantor upon execution of this agreement. The agreement may be terminated by either party at any time upon written notice to the other party. The agreement includes the following provisions:

- a) a flat fee of USD250,000 upon the signing of a definitive transaction agreement arranged by Cantor,
- b) a transaction fee on the aggregate consideration on capital raised, as follows:
 - i) 2.0% up to USD50 million, plus
 - ii) 1.5% from USD50 to USD100 million, plus
 - iii) 1.0% in excess of USD100 million, plus
- c) Upon the first closing of any part of an equity and/or debt financing and upon each subsequent closing:
 - i) a fee of 7.0% of the aggregate of any equity financing irrevocably committed at or in connection with such closing, whether or not drawn, and
 - ii) a fee of 3.0% of the aggregate of any debt financing irrevocably committed with such closing, whether or not drawn.
- d) a fee of 3% of any debt financing irrevocably committed from an applicable transaction, and
- e) reimbursement of certain expenses.

As at July 31, 2016, the Company accrued \$nil (2015 – \$nil) for services by Cantor.

On May 10, 2016, in addition to the Cantor engagement the Company engaged Evolution Life Science Partners on a non-exclusive basis, as a financial and strategic advisor to the Company in connection with the identification and introduction of and discussion and negotiation with one or more appropriate third parties for the purposes of considering a possible transaction. The fee structure is as follows:

- a) Retainer of \$20,000 USD for the initial 6-month period, and \$12,500 for any subsequent months
- b) A strategic transaction success fee is an amount equal to the greater of 7% of the transaction value or \$500,000.
- c) A financing transaction success fee in an amount equal to 7% of the consideration received. In addition, warrants to purchase up to 3% of the common shares sold in the transaction will issued at an exercise price of the common shares issued in the transaction.

Grant Funding Agreement ("Agreement") with the Polish National Centre for Research and Development ("PNCRD")

Based on the Agreement, certain expenditures made commencing on March 1, 2016 are eligible for reimbursement with the final reimbursement submission to be made no later than September 30, 2021. Of the total project costs, the public subsidy portion represents PLN12,506,955 (~CAD4,089,941). Helix Polska is required to spend PLN4,437,459 (~CAD1,451,108) towards eligible project expenditures. In addition, there is an expected 2,850,000 of manufacturing and clinical trial documentation costs that are ineligible for co-financing by the ERDF. The public subsidy funds may be drawn in advance or on a reimbursement basis, with varying criteria and timelines on justification of claims being made by the Subsidiary against the PNCRD for funding of the V-DOS47 development program in Poland. The Agreement may be terminated by either party upon one month's written notice and must also state the grounds for which the Agreement is being terminated. In certain cases of termination, the Subsidiary may be obligated to return the received financial support in full within fourteen days of the day notice is served, with interest.

Legal Services Agreement

- a) The Company engaged Sadkowski I Wspolnicy Spolka Akcyjna ("Sadkowski") to assist and advise the Company in the selection of other consultants and advisors connected with the potential filing of a prospectus. The agreement may be terminated at any time by either party by giving notice in writing, subject to a two-week notice period. The fee for such services are as follows:

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- b) a monthly fee based on the number of hours and applicable hourly rate spent incurred by Sadkowski;
- c) PLN300,000 for drawing up a prospectus to be invoiced as follows:
 - i) PLN100,000 after the agreement is signed;
 - ii) PLN100,000 after prospectus submission to Polish Financial Supervision Authority ("PFSA"); and
 - iii) PLN100,000 after prospectus approval by the PFSA;
- d) a fee of PLN7,500 for each supplemental prospectus files that includes financial data or PLN3,000 if no financial data is included;

As at July 31, 2016, the Company accrued \$5,000 (2015 – \$nil) for services provided by Sadkowski.

Legal proceedings and claims

There are two claims made against the Company in the normal course of operations that remain pending at the end of fiscal 2016 and at the date of this Annual Report. Management believes that these claims are without merit. Actions are not sufficiently advanced for the outcome to be presently determinable and, accordingly, no provision for these claims have been made in these financial statements.

7. Capital risk management

The Company's main objectives when managing capital are to ensure sufficient liquidity to finance research and development activities, clinical trials, ongoing administrative costs, working capital and capital expenditures. The Company includes cash in the definition of capital. The Company endeavours not to unnecessarily dilute shareholders when managing the liquidity of its capital structure.

Since inception, the Company has financed its operations from public and private sales of equity, the exercise of warrants and stock options, and, to a lesser extent, from interest income from funds available for investment, government grants and investment tax credits. Since the Company does not have net earnings from its operations, the Company's long-term liquidity depends on its ability to access capital markets, which depends substantially on the success of the Company's ongoing research and development programs, as well as capital market conditions and availability.

The Company does not currently have enough cash reserves to fully fund its clinical trials nor does the Company have sufficient cash reserves to meet anticipated cash needs for working capital and capital expenditures through at least the next twelve months.

The Company does not have any credit facilities and is therefore not subject to any externally imposed capital requirements or covenants.

8. Financial instruments and risk management

The Company has classified its financial instruments as follows:

	2016		2015	
	Fair Value	Fair value hierarchy	Fair Value	Fair value hierarchy
Cash	\$ 3,654	Level 1	\$ 6,792	Level 1

Fair value hierarchy

Financial instruments recorded at fair value on the balance sheet are classified using a fair value hierarchy that reflects the significance of the inputs used in making the measurements. The fair value hierarchy has the following levels:

- a. Level 1 reflects valuation based on quoted prices observed in active markets for identical assets or liabilities;
- b. Level 2 reflects valuation techniques based on inputs that are quoted prices of similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; inputs other than quoted prices used in a valuation model that are observable for that instrument; and inputs that are derived principally from or corroborated by observable market data by correlation or other means; and
- c. Level 3 reflects valuation techniques with significant unobservable market inputs.

A financial instrument is classified to the lowest level of the hierarchy for which a significant input has been considered in measuring fair value.

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The financial instrument in the Company's financial statements, measured at fair value, is cash.

Fair value

The fair value of financial instruments as at July 31, 2016 and 2015 approximates their carrying value because of the near-term maturity of these instruments.

Financial risk management

The Company is exposed to a variety of financial risks by virtue of its activities: market risk (including currency and interest rate risk), credit risk and liquidity risk. The overall risk management program focuses on the unpredictability of financial markets and seeks to minimize potential adverse effects on financial performance.

Risk management (the identification and evaluation of financial risk) is carried out by the finance department, in close cooperation with management. The finance department is charged with the responsibility of establishing controls and procedures to ensure that financial risks are mitigated in accordance with the approved policies. The Company's Board of Directors has the overall responsibility for the oversight of these risks and reviews the Company's policies on an ongoing basis to ensure that these risks are appropriately managed.

Market risk

Market risk is the risk that changes in market prices, such as interest rates and foreign exchange rates, will affect the Company's income or the value of its financial instruments.

Currency risk

The Company has international transactions and is exposed to foreign exchange risks from various currencies, primarily the Euro and U.S. dollar. Foreign exchange risks arise from the foreign currency translation of the Company's integrated foreign operation in Ireland. In addition, foreign exchange risks arise from purchase transactions, as well as recognized financial assets and liabilities denominated in foreign currencies.

The Company has maintained minimal cash balances denominated in both Euro, U.S. dollars and Zloty due to Canadian dollar stability and strength against foreign currencies.

Balances in foreign currencies at July 31, 2016 and 2015 are as follows:

	2016			2015		
	Euros	Dollars	Zloty	Euros	Dollars	Zloty
Cash	30	48	77	8	7	1
Accounts payable	(77)	(48)	-	(9)	(30)	-
Accruals	(82)	(165)	(90)	(162)	(2)	-
Net foreign currencies	(129)	(165)	(13)	(163)	(25)	1
Closing exchange rate	1.4594	1.3056	0.3345	1.4388	1.3047	0.3349
Impact of 1% change in exchange rate	+/- 1	+/- 1	-	+/- 1	+/- 1	-

Any fluctuation in the exchange rates of the foreign currencies listed above could have an impact on the Company's results from operations; however, they would not impair or enhance the ability of the Company to pay its foreign-denominated expenses.

The following summary illustrates the fluctuations in the exchange rates during fiscal 2016 and 2015 to the Canadian dollar:

	2016			2015		
	Euros	US Dollars	Zloty	Euros	US Dollars	Zloty
High	1.5928	1.4589	0.3611	1.4729	1.3060	0.3508
Average	1.4740	1.3278	0.3416	1.4005	1.1924	0.3363
Low	1.4081	1.2544	0.3226	1.3111	1.0857	0.3201

Interest rate risk

Interest rate risk is the risk that future cash flows of a financial instrument will fluctuate because of changes in interest rates, which are affected by market conditions. The Company is exposed to interest rate risk arising from fluctuations in interest rates received on its cash and cash equivalents. The Company does not have any credit facilities and is therefore not subject to any debt related interest rate risk.

HELIX BIOPHARMA CORP.**Notes to Consolidated Financial Statements**

Years ended July 31, 2016 and 2015

(Tabular dollar amounts in thousands of Canadian dollars, except per share amounts)

The Company manages its interest rate risk by maximizing the interest income earned on excess funds while maintaining the liquidity necessary to conduct its operations on a day-to-day basis. Any investment of excess funds is limited to risk-free financial instruments. Fluctuations in the market rates of interest do not have a significant impact on the Company's results of operations due to the relatively short term maturity of any investments held by the Company at any given point in time and the low global interest rate environment. The Company does not use derivative instruments to reduce its exposure to interest rate risk.

Credit risk

Credit risk is the risk of a financial loss to the Company if a customer or counterparty to a financial instrument fails to meet its contractual obligation.

The table below breaks down the various categories that make up the Company's accounts receivable balances as at July 31:

	2016	2015
Government related – HST/VAT	106	96
Research and development investment tax credits	380	388
Other	3	7
	\$ 489	\$ 491

Liquidity risk

Liquidity risk is the risk that the Company will not be able to meet its obligations as they come due. Since inception, the Company has mainly relied on financing its operations from public and private sales of equity. The Company does not have any credit facilities and is therefore not subject to any externally imposed capital requirements or covenants.

The Company manages its liquidity risk by continuously monitoring forecasts and actual cash flow from operations and anticipated investing and financing activities.

The Company's cash reserves of \$3,654,000 as at July 31, 2016 are insufficient to meet anticipated cash needs for working capital and capital expenditures through the next twelve months, nor are they sufficient to see the current research and development initiatives through to completion. To the extent that the Company does not believe it has sufficient liquidity to meet its current obligations, management considers securing additional funds primarily through equity arrangements to be of utmost importance.

The Company's long-term liquidity depends on its ability to access the capital markets, which depends substantially on the success of the Company's ongoing research and development programs, as well as economic conditions relating to the state of the capital markets generally. Accessing the capital markets is particularly challenging for companies that operate in the biotechnology industry.

The following are the contractual maturities of the undiscounted cash flows of financial liabilities as at July 31:

	2016			2015		
	Carrying amount	Less than one year	Greater than one year	Carrying amount	Less than one year	Greater than one year
Accounts payable and accrued liabilities	\$ 1,304	\$ 1,304	\$ –	\$ 969	\$ 969	\$ –

This table only covers liabilities and obligations relative to financial instruments and does not anticipate any income associated with assets.

9. Related party transactions

The key management personnel of the Company include the Chief Executive Officer, Chief Financial Officer, Chief Scientific Officer, Chief Medical Officer and Chief Operating Officer. In addition to the aforementioned key management personnel, the table below also includes compensation for the former Interim Chief Executive Officer and former Chief Executive Officer.

The following table summarizes for key management personnel compensation for the fiscal years ended:

	2016	2015
Compensation	\$ 1,283	\$ 1,185
Stock-based compensation	53	76
	\$ 1,336	\$ 1,261

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(Tabular dollar amounts in thousands of Canadian dollars, except per share amounts)

The following table summarizes non-management Directors' compensation for the fiscal years ended:

	2016	2015
Directors' fees	\$ 352	\$ 364
Stock-based compensation	150	340
Consultancy fee	–	3
	\$ 502	\$ 707

During the current fiscal year, a management consultancy agreement was entered into with the Company's CEO and Chairman of the Board. The agreement is to remain in effect until March 31, 2017.

The following table summarizes the Board Observer's compensation for the fiscal years ended:

	2016	2015
Finder fee commissions	\$ 810	\$ 1,228
Financial and investor relations consulting fee	540	508
Expense reimbursement	80	91
	\$ 1,430	\$ 1,827

The Company entered into a non-exclusive financial and investor relations agreement with ACM Alpha Consulting Management EST ("ACMest"), effective May 1, 2012. On March 7, 2014, Mr. Andreas Kandziora was asked to act as an Observer on the Board of Directors of the Company. Mr. Kandziora is President and CEO of ACMest (also see *Note 6 – Commitments, contingent liabilities and contingent assets*).

Related party transactions are at arm's length and recorded at the amount agreed to by the related parties.

10. Research and development projects

As at July 31, 2016, the Company has incurred research and development expenditures primarily on the L-DOS47 research and development program.

Included in research and development expenditures are costs directly attributable to the various research and development functions and initiatives the Company has underway and include: salaries; bonuses; benefits; stock based compensation; depreciation of property, plant and equipment; patent costs; consulting services; third party contract manufacturing, third party clinical research organization services; and all overhead costs associated with the Company's research facilities.

The following table outlines research and development costs expensed and investment tax credits for the Company's significant research and development projects for the fiscal years ended July 31:

	2016	2015
L-DOS47	\$ 4,898	\$ 4,031
Corporate research and development expenses	709	567
Trademark and patent related expenses	244	339
Stock-based compensation expense	27	16
Depreciation expense	118	121
Research and development investment tax credit	(175)	(189)
	\$ 5,821	\$ 4,885

11. Income taxes

The Company recognizes deferred tax assets and liabilities for expected future tax consequences of temporary differences between the carrying amounts and the tax basis of assets and liabilities and certain carry-forward balances. The Company's effective income tax rate in fiscal 2016 is 26.7% (2015 – 26.7%).

HELIX BIOPHARMA CORP.**Notes to Consolidated Financial Statements**

Years ended July 31, 2016 and 2015

(Tabular dollar amounts in thousands of Canadian dollars, except per share amounts)

The tax effects of temporary differences for the Company that gives rise to the unrecorded deferred tax asset presented in the following table:

	2016	2015
Deferred tax assets:		
Scientific Research & Experimental Development expenditure pool	\$ 11,978	\$ 11,563
Non-capital losses and other credits carried forward	18,293	16,222
Capital losses carried forward	161	161
Excess of tax basis over book basis of capital assets	1,500	1,400
Deductible share issue costs	454	544
Other	–	1
	32,386	29,891

Current income tax expense and non-capital tax carry-forwards

As at July 31, 2016, the Company has Canadian tax losses that can be carried forward of approximately \$68,621,000 (2015 – \$60,840,000) and are available until 2035 as follows:

2025	862
2026	2,113
2027	2,904
2028	2,438
2029	9,188
2030	6,552
2031	6,793
2032	13,242
2033	2,437
2034	6,727
2035	7,256
2036	8,109
	\$ 68,621

Scientific Research & Experimental Development expenditures (“SR&ED”)

Under the *Income Tax Act* (Canada), certain expenditures are classified as SR&ED expenditures and are grouped into a pool for tax purposes. This expenditure pool can be carried forward indefinitely and deducted in full in any subsequent year. The SR&ED expenditure pool at July 31, 2016 is approximately \$44,911,000 (2015 – \$43,367,000).

Investment tax credits

The Company has also earned investment tax credits in Canada, on eligible SR&ED expenditures at July 31, 2016 of approximately \$11,014,000 (2015 – \$10,705,000), which can offset Canadian income taxes otherwise payable in future years up to 2036. Investment tax credits are accounted for as a reduction of the related expenditure for items of a current nature and a reduction of the related asset cost for items of a capital nature, provided that the Company has reasonable assurance that the tax credits will be realized. During the year, the Company received cash refundable investment tax credits related to prior years in the amount of \$184,000 (2015 – \$89,000). At July 31, 2016, cash refundable investment tax credits total \$379,000 (2015 – \$388,000). The research and development investment tax credits recorded are based on management’s estimates of amounts expected to be recovered and are subject to audit by the taxation authorities and, accordingly, these amounts may vary. Federal investment tax credits are non-refundable to the Company. Refundable investment tax credits reflect eligible SR&ED expenditures incurred in various provinces.

12. Subsequent Event

On August 19, 2016, the Company announced the closing of a private placement for gross proceeds of approximately \$995,000. The terms of the Private Placement are for the purchase of common shares at \$1.54 per share and include one warrant per share at an exercise price of \$1.92 and have an expiry of five years from the date of issue.

Corporate Information

DIRECTORS AND OFFICERS

Sven Rohmann, MD, PhD, MBA
Chairman & CEO

Slawomir Majewski, MD.
Director

Marek Orlowski, MD.
Director

Sylwester Cacek
Director

George Anders
Director

Albert Beraldo
Director

Theodore J. Witek, MBA, PhD
Director

Heman Chao, PhD
Chief Scientific Officer

Patrick Frankham, MBA, PhD
Chief Operating Officer

Steve Demas, BSc.
Chief Medical Officer

Photios (Frank) Michalargias, CPA, CA
Chief Financial Officer

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