Management's Discussion and Analysis of Financial Condition and Results of Operations for the Financial Year Ended February 28, 2015

This Management's Discussion and Analysis ("MD&A") is prepared by management as of June 29, 2015 and should be read in conjunction with the audited consolidated financial statements and accompanying notes for the years ended February 28, 2015 and 2014. The audited consolidated financial statements have been prepared in accordance with International Financial Reporting Standards ("IFRS"). All dollar amounts are expressed in Canadian dollars unless otherwise specified. Additional information relating to biOasis Technologies Inc. ("biOasis" or the "Company") can be obtained from SEDAR at www.sedar.com.

This MD&A was approved and authorized for issue by the Audit Committee on June 29, 2015.

## FORWARD LOOKING STATEMENTS

This MD&A contains forward-looking statements that reflect the current view of management with respect to future events and financial performance. Forward-looking statements are subject to risks and uncertainties, which could cause actual results to differ materially from those in such forward-looking statements.

When used in this document, words such as 'estimate', 'expect', 'anticipate', 'believe', 'may', 'plan', 'intend' and similar expressions are intended to describe forward-looking statements and as such involve inherent risks and uncertainties. Such factors include, among others, the Company's stage of development, lack of any product revenues, additional capital requirements, risk associated with the completion of clinical trials and obtaining regulatory approval to market the Company's products, the ability to protect the Company's intellectual property, dependence on collaborative partners and the prospects for negotiating additional corporate collaborations or licensing arrangements and their timing. Specifically, certain risks and uncertainties that could cause such actual events or results expressed or implied by such forward-looking statements and information to differ materially from any future events or results expressed or implied by such statements and information include, but are not limited to, the risks and uncertainties that: products that the Company develops may not succeed in preclinical or clinical trials: the Company's future operating results are uncertain and likely to fluctuate; the Company may not be able to raise additional capital; the Company may not be successful in establishing additional corporate collaborations or licensing arrangements; the Company may not be able to establish marketing and the costs of launching the Company's products may be greater than anticipated; the Company has no experience in commercial manufacturing; it may face unknown risks related to intellectual property matters; the Company faces increased competition from pharmaceutical and biotechnology companies; and other factors as described in detail in the Company's filings with the Canadian securities regulatory authorities at www.sedar.com. Given these risks and uncertainties, you are cautioned not to place undue reliance on such forward-looking statements and information, which are qualified in their entirety by this cautionary statement. All forwardlooking statements and information made herein are based on the Company's current expectations and the Company undertakes no obligation to revise or update such forward-looking statements and information to reflect subsequent events or circumstances, except as required by law or regulation.

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## **OVERVIEW**

biOasis Technologies Inc., is an early stage biopharmaceutical company focused on research, development and commercialization of technologies and products intended for the treatment of central nervous system ("CNS") diseases and diseases of the brain. The Company is currently engaged in the development of proprietary vectors "Transcend" and "Transcend<sup>pep"</sup> for the transport of therapeutic agents across the blood brain barrier ("BBB"). The Company is listed for trading on the TSX Venture Exchange, under the symbol "BTI", and on the OTCQX market, under the symbol "BIOAF".

## **Corporate Highlights**

## **Listing on OTCQX**

On February 24, 2014 the Company up-listed on the highest tier of the off-market, OTCQX under the symbol "BIOAF" and on May 8, 2014 the Company announced that it secured Depository Trust Company ("DTC") eligibility for its shares. The DTC is a subsidiary of the Depository Trust and Clearing Corporation and manages the electronic clearing and settlement of publicly traded companies.

## **Appointment of New Chief Financial Officer**

In June, 2014, Judi Dalling was appointed Chief Financial Officer and Corporate Secretary, following the resignation of David Clark from his positions as a director, Chief Financial Officer and Corporate Secretary.

## **Stock Options and Warrants**

On June 15, 2014, the Company granted 200,000 stock options to a consulting firm, exercisable at \$1.23 per share, expiring after two years and subject to vesting.

On October 31, 2014, the Company granted 150,000 stock options to a consulting firm, exercisable at \$0.89 per share, expiring after two years and subject to vesting.

On January 30, 2015, the Company granted 1,215,000 stock options to its employees, directors, officers and consultants, exercisable at \$1.17 per share, expiring after five years and subject to vesting.

During the year ended February 28, 2015, 549,150 stock options were exercised for gross proceeds of \$318,386 and 1,481,250 options expired or were forfeited. Subsequent to February 28, 2015, 125,000 options were granted to a consulting firm exercisable at \$1.20 per share, expiring after one year and subject to vesting. As at the date of this MD&A, the Company has 6,170,000 stock options outstanding and 4,971,250 stock options exercisable. Subsequent to February 28, 2015, 95,000 warrants were exercised for gross proceeds of \$114,000. As at the date of this MD&A, the Company has 1,849,477 warrants outstanding.

#### **Research Grant**

On May 27, 2015 the Company announced that it, in partnership with the National Research Council of Canada (NRC) and the Universite de Sherbrooke, has been awarded a collaborative research grant by the Quebec Consortium for Drug Discovery (CQDM) and Brain Canada. The research funding is for a total of \$2,573,875, to be granted over 3 years and comes from the CQDM and Brain Canada with co-investment (in-kind) from the NRC. The Company will receive approximately \$955,000 of this funding.

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#### RESEARCH AND DEVELOPMENT PROGRAM STATUS

## 1. TRANSCEND Program - Blood Brain Barrier ("BBB") Technology

The Transcend brain delivery platform exploits the BBB penetrating properties of a recombinant soluble human protein known as melanotransferrin (also referred to as "MTf" or "p97") and portions thereof. Specifically, Transcend delivery molecules (commonly referred to as vectors) have the ability to transport a variety of molecules across the BBB.

## Delivery of molecules across the blood brain barrier

## Application to the treatment of CNS indications for Lysosomal Storage Diseases ("LSD")

On May 11, 2011, the Company announced the initiation of its Transcend Vector Program for treatment of central nervous system ("CNS") symptoms of LSDs. This strategic decision was based on the Company's data from earlier animal studies demonstrating that when the lysosomal enzyme iduronidase was conjugated to Transcend and administered intravenously, the levels of the drug in the brain were increased approximately 4-fold. LSDs are inherited metabolic disorders, of which approximately fifty have been described to date. Despite the efficacy of currently approved therapies for LSDs using enzymes delivered to peripheral tissues in blood, the inability of these drugs to cross the BBB prevents them from entering the CNS in significant quantities. In 2013, the Company demonstrated that a chemical conjugate of Transcend with the enzyme missing in Hunter's Syndrome was able to increase enzyme transport to the lysosomes of brain cells in an animal model. In 2014 these findings led the Company to the successful manufacturing of fusion proteins containing the enzyme and the full-length version of Transcend and the newly discovered peptide ("Transcend pep"), for use in a mouse model of Hunter's Syndrome. These transgenic mice do not express the functional enzyme iduronate-2 sulfatase (I2S or IDS). Dr. Maurizio Scarpa, president of the B4B Foundation, is coordinating the in vivo studies. The studies began at the end of 2014 and comprised 5 groups of IDS-KO mice treated with enzyme IDS, IDS-MTf fusion, IDS-MTfpep fusion or MTf alone. In 2014 a program based on HexB, which is the missing enzyme in Sandhoff's Syndrome, was initiated and fusion proteins comprised of the enzyme with Transcend and Transcend<sup>pep</sup> have been designed and prepared to pilot within the animal colony at the Company's discretion.

# 2. Oncology Program – Lead candidate delivery of Trastuzumab (Herceptin®) across the BBB – The MTf-TZM Program – formerly BT2111

As reported earlier, the Company initiated studies at the National Research Council (NRC) of Canada and at the British Columbia Cancer Research Centre ("BCCRC") in Vancouver, BC, to assess the therapeutic potential of the delivery of Herceptin to the brain for the treatment of brain metastases of HER2-positive ("HER2+") breast cancer. The test conjugate was comprised of trastuzumab (trade name Herceptin®¹), a humanized monoclonal antibody used clinically in the treatment of HER2+ breast cancer, conjugated to the Transcend delivery vector. Herceptin® alone does not cross the BBB at levels required for a therapeutic effect against brain metastases of breast cancer. Thus, biOasis undertook studies to assess the ability of this Transcend-Herceptin® conjugate (MTf-TZM) to cross the BBB and penetrate brain tissue. In addition, biOasis examined MTf-TZM for its ability to kill HER2+ cancer cells *in vitro* compared to Herceptin® on its own. Based on the positive results obtained, biOasis entered into an

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<sup>&</sup>lt;sup>1</sup> Herceptin® is a registered trademark of Genentech

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agreement with Texas Tech University Health Sciences Center ("Texas Tech") to undertake a series of preclinical studies designed to evaluate the pharmacokinetics of MTf-TZM in animal models of brain metastasis of breast cancer. The studies were conducted under the direction of Drs. Quentin Smith and Paul Lockman, both recognized experts on the BBB and on evaluating drug delivery to the central nervous system for the treatment of brain tumors. biOasis announced results from this first set of *in vivo* studies at Texas Tech demonstrating that MTf-TZM penetrated the BBB and entered brain tissue, consistent with previous studies showing that Transcend can effectively deliver several different types of compounds to the brain. Radiolabeled MTf-TZM was clearly present in the metastatic breast cancer tumors as determined by measurement of radioactive molecules using phosphorescence imaging of normal brain and brain with cancer metastases.

In September 5, 2012, the Company announced results from another key animal study performed at BRI Pharmaceutical Research Inc. (Vancouver, B.C.) showing that MTf-TZM arrested the growth of human breast cancer tumors in a murine xenograft model. This animal model, which consists of human tumor cell xenografts in a mouse background, is accepted industry-wide as a gold standard for assessing the performance of new and emerging drugs for treatment of cancer. In this study, highly aggressive human breast carcinoma cells were transplanted subcutaneously into recipient animals. The animals were treated intraperitoneally twice per week for six weeks with MTf-TZM, Herceptin® alone or a placebo. Each week the subcutaneous tumor volumes were measured. In the placebo treated control animals, the tumors increased in size by 400% over baseline. In both the MTf-TZM and Herceptin® treated groups, the tumor growth was completely halted. Further, under the conditions of this study, both Herceptin® and MTf-TZM were well tolerated with no apparent signs of toxicity. As a secondary component of this study the Company examined the potential of MTf-TZM to induce tissue damage. As reported on September 24, 2012, the histopathological analysis of a range of tissues demonstrated that "Under the conditions of this study, there were no test article-related histopathology findings". In addition to these benign histopathology findings, animal weights remained consistent throughout the study, indicating that MTf-TZM was well tolerated under the conditions used in this set of experiments.

biOasis subsequently undertook additional studies at the Texas Tech School of Pharmacy, under the direction of Dr. Paul Lockman, designed to assess the effect of MTf-TZM and Herceptin® alone in animals that were inoculated with a human "brain-seeking" breast cancer cell line that overexpresses the HER2 receptor. Such HER2 positive breast cancer cells are often found in metastatic brain cancers of women with breast cancer. In this model system, within 21 days the metastatic breast cancer cells migrate to the brain and establish clinically relevant tumors. In biOasis' study, animals were then treated twice per week (up to day 35) with MTf-TZM, with Herceptin® alone or with saline (controls). Following treatment, the number and size of the metastatic tumors were determined. At day 35, the average number of tumors in the brains of saline-treated control animals was 85. Animals treated with Herceptin® showed no statistically significant reduction in this number. In contrast, the animals treated with MTf-TZM showed an average of 28 tumors, a statistically highly significant reduction over both Herceptin®-treated and saline-treated controls. Furthermore, MTf-TZM resulted in a 57% reduction in the size of the tumors that remained after treatment when compared to both Herceptin®-treated and salinetreated controls. This improvement observed in the MTf-TZM treatment group was also statistically highly significant compared to Herceptin® treatment where the average tumor size was slightly reduced (15%) when compared to the saline-treated controls.

On November 12th, 2013, biOasis reported results from the Texas Tech work showing that MTf-

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TZM also penetrated the blood-tumor barrier up to 10 times better than Herceptin® alone. Through image analysis and quantitative autoradiography in this animal study, biOasis demonstrated that MTf-TZM distributed evenly in healthy sections of the brain surrounding the metastatic brain cancer and was present at significantly greater levels within the tumors compared to equal to or lower dose equivalence of Herceptin® alone. These observations corroborated the therapeutic responses seen in prior animal models.

During 2014, to advance the MTf-TZM program, biOasis manufactured fusion proteins consisting of Transcend or Transcend<sup>pep</sup> coupled to Herceptin (Trastuzumab). These fusion constructs were tested for their binding activity and effect on HER2 positive cancer cells *in vitro*. Furthermore, these fusion constructs were introduced into several animal models to test the efficacy of delivery of the Herceptin cargo by Transcend and Transcend<sup>pep</sup> and their effect on animal survival. The fusion constructs demonstrated adequate activity in both Her-2 binding assays and Antibody-Dependent Cell-mediated Cytotoxicity (ADCC) assays and subsequently have been used to treat mice implanted intracranially with tumor cells (BT474) in an *in vivo* survival study conducted in early 2015. The trial is completed and demonstrated key findings regarding the activity of the fusion constructs, survival and provided management with the confidence to move this program towards the clinic.

## 3. Peptide Program - Transcend<sup>pep</sup>

On April 24<sup>th</sup>, 2014 biOasis reported that it had identified a new family of peptides that simplify and enhance the brain shuttling properties achieved so far with Transcend. In side-by-side comparisons, these new peptide delivery vehicles were more efficient than the native, full-size Transcend molecule at delivering therapeutic molecules to the brain.

This new family of peptides, "Transcend<sup>pep</sup>" is able, in animal models, to shuttle a variety of therapeutic and biologics into the brain. It is exciting that transport does not appear to be limited by the size or composition of the transported therapeutics. This peptide family, the second generation of Transcend, offers multiple advantages compared to Transcend. The peptides can be synthesized by standard methods *in vitro* and a wide variety of peptide-cargo conjugates with different applications to a range of diseases can be produced simply and predictably. The peptide vectors have the potential to be particularly well suited to coupling to small molecule chemotherapeutics and other drugs. Thus development of new drugs using these new shuttle vectors will likely be accomplished much more quickly and with higher precision. This new family of novel chemical entities provides a strong patent position for biOasis and its current and future partners. In preclinical animal models, such as mouse ischemic stroke model induced via Middle Cerebral Artery Occlusion and IDS knock-out mouse model for Hunter syndrome (MPSII), the peptide vector-conjugates have shown remarkable efficacy.

One peptide from the Transcend<sup>pep</sup> set of peptides has been chosen and used as the vector for all of the Company's currently used fusion proteins: Transcend<sup>pep</sup> -Herceptin (Trastuzumab) and Transcend<sup>pep</sup> -lysosomal enzymes (see details in previous paragraphs)

# 4. Transcend<sup>pep</sup>-siRNA Program:

On May 6th, 2014 the Company reported that Transcend<sup>pep</sup> effectively delivers siRNA across the blood-brain barrier and into brain cells. This work was performed at the National Research Council of Canada under the guidance of biOasis. The results were outstanding and represent a promising development in the potential treatment of a variety of brain disorders. RNA

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interference (RNAi) of gene function can be triggered by small single-stranded RNA molecules (small-interfering RNA; siRNA), which function to silence target genes in a sequence-specific manner. Therapeutics based on siRNA have the potential to reverse and eradicate human disease by targeting specific genes that cause or modify disease outcome. However, since siRNAs on their own do not cross the BBB, the targeting of genes within the brain was not assumed to be achievable. biOasis has now demonstrated delivery of siRNA across the blood-brain barrier using its new peptide vector, Transcend<sup>pep</sup>. After systemic injection, siRNA coupled to Transcendpep was shown to shuttle into the brain and became localized within brain cells in a wild type mouse model. Since a variety of different siRNAs (specific for different diseaseassociated genes) can be delivered, this is a significant achievement for the Company and for the field of molecular therapeutics. Transcend<sup>pep</sup>-siRNA constructs thus become a potential cornerstone technology for development of new therapeutics for brain disorders, including cancers of the brain, Alzheimer's disease, Huntington's disease, Amyotrophic lateral sclerosis (ALS) and other neuropsychiatric diseases, for a variety of neuromuscular diseases, for pain and for a multiplicity of infections.

On July 25<sup>th</sup> 2014, the Company announced that an independent pathologist in The University of British Columbia Animal Care Unit, showed that the reduction of the activity of the target gene in the experiment announced on May 6<sup>th</sup> (discussed above) was between 40 and 50%.

RNAi is a promising and novel therapeutic approach for treatment of many CNS diseases. The successful delivery of Transcend<sup>pep</sup>-siRNA conjugates to the brain is therefore a significant advance that may provide the foundation for exploring the potential of siRNA-based therapeutics for a host of different diseases of the CNS. In late 2014, a study in collaboration with NRC (Ottawa) and UBC (Vancouver) was initiated, focusing on application to an ischemic stroke model using a specific siRNA. Transcend<sup>pep</sup>-siRNA treated mice were studied to determine if therapeutic amounts of siRNAs can be delivered across the BBB. In a pharmaco-dynamic study it has been demonstrated that by using the MTf<sup>pep</sup> conjugated to a specific siRNA a therapeutic dose of siRNA can be delivered in the CNS and into brain cells. The results showed that in pretreated stroke-induced mice the ischemic area was significantly diminished with a much better neurologic outcome measured 24 h after the induction of the stroke.

## 5. Collaborations and Internal Research and Development Program

biOasis has had and continues to have collaborations with a variety of pharmaceutical companies and has advanced its internal R&D program with the goal of moving Transcend and Transcend PEP toward clinical applications. These ongoing, often multi-year collaborations and the biOasis' internal research program involve rigorous testing of several proprietary therapeutic molecules for delivery through the blood-brain barrier. This testing covers a range of diseases of interest to the pharmaceutical partners and the unmet medical needs of their patient community.

# **CQDM**

On May 27th 2015, the Company announced that it was successful in winning a grant from the CQDM and Brain Canada in the amount of \$2,573,875 over 3 years. The proposal was submitted by biOasis, the National Research Council of Canada and Sherbrooke University. The Company leads the project with Rob Hutchison, biOasis' CEO as the Principal Investigator. Over the next three years, the project will assess a number of human single domain antibody libraries at the NRC for their ability to cross the BBB and act as transport vectors. The Company's MTfp will be used as the benchmark and work will be performed to characterize the

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receptors on the BBB for MTfp. Any new potential BBB carriers will be added to the Transcend family for the Company to pursue global commercialization of them under an exclusive agreement.

#### **Medimmune Limited**

On November 14, 2012, biOasis announced that it had entered into a research and evaluation agreement with Medimmune Limited ("Medimmune"), the global biologics arm of AstraZeneca. Under the terms of that collaboration, biOasis conducted certain experiments at MedImmune's expense with the objective of demonstrating that biOasis's Transcend technology can deliver to the brain compounds of interest to MedImmune. Based on the positive results of this collaboration, on March 17, 2014 biOasis announced that it signed an evaluation and license agreement with MedImmune. Under the terms of that agreement, MedImmune began the evaluation of the therapeutic effect of its pre-clinical assets with next-generation versions (initially Transcend<sup>pep</sup>) of biOasis's Transcend brain delivery platform. The data were very positive and showed that fusion of the Transcendpep to the N terminus of an antibody was efficiently transported across the BBB to the CNS. In January of 2105 a pharmacokinetic conducted by MedImmune, determined the plasma half-life of the fusion construct to be similar to the half-life of the antibody (between 8-15 days) and for a period of 10 days the brain exposure was maintained at high levels (3.0-3.5% of the injected dose per gm brain). In an additional pharmacokinetic study, MedImmune demonstrated that a therapeutic dose of their monoclonal antibody was delivered into the CNS using fusion constructs or chemical conjugates with Transcend<sup>pep</sup>.

#### **Patents**

The Company owns approximately 30 U.S. and foreign patents/applications related to p97 as a BBB delivery vector and as a biomarker for Alzheimer's disease.

Regarding biOasis' lead program in metabolic diseases, its patent portfolio includes six U.S. and corresponding foreign patents/applications in the area of LSDs. These patents/applications contain claims to compositions of matter, pharmaceutical compositions and methods of using p97 to deliver therapeutic agents across the BBB and/or to lysosomes, including for the treatment or prevention of LSDs. On October 1, 2013, the Company's patent application titled "*Use of P97 as an Enzyme Delivery System for the Delivery of Therapeutic Lysosomal Enzymes*" issued as U.S. Patent No. 8,546,319. The claims of this issued patent cover methods of using the Company's Transcend brain penetrating drug delivery vector coupled to a LSD enzyme for the treatment of LSDs. Specifically, the enzymes claimed in the issued patent include those that are used clinically as enzyme replacement therapies to treat LSDs such as Hunter Syndrome, Hurler Syndrome and others. In 2014 corresponding applications were granted in Canada and Europe. The patents that issue from this family are predicted to expire in 2023, not including any patent term adjustment. The application for delivery of enzymes as it relates to LSD's takes on the patent term as it relates to Trancend<sup>pep</sup>. biOasis continues to prosecute the corresponding applications and divisional applications in other jurisdictions.

In regard to biOasis' lead programs in oncology it owns seven U.S. and corresponding foreign patent applications in the area of brain-penetrating antibodies for the treatment of brain and other cancers. Parts of these applications are specifically directed to the MTF-TZM program for the treatment of brain metastases of HER2+ breast cancer. These patents, if issued, would provide biOasis with protection through 2032, not including any patent term adjustment.

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biOasis continues to aggressively build the Transcend patent portfolio through the filing of new patent applications directed to various improvements in the use of Transcend to shuttle therapeutic compounds across the BBB.

## **FUTURE OUTLOOK**

The Company will continue to need to raise funds for its future operations and for its pre-clinical programs potentially leading to the filing of one or a number of Investigational New Drugs (INDs).

Within the Transcend program, management intends to advance pre-clinical development of the MTF-TZM Herceptin® conjugate program, to advance its Transcend<sup>pep</sup> family program, to fund further pre-clinical work on its LSD program and evaluation programs and other preclinical programs as initiated by the Company. With sufficient funds, the Company will expand the scope of work on these projects with the intention of creating greater value in its intellectual property and on building stronger licensing partnerships. To assist in commercialization of biOasis's technology, biOasis engaged Willow Tree Capital Corp. to perform certain business development activities leading to commercial license agreements.

## SUMMARY OF QUARTERLY RESULTS

The following are the results for the Company's past eight quarterly reporting periods:

Quarterly Results	Q4 2015 \$	Q3 2015 \$	Q2 2015 \$	Q1 2015 \$	Q4 2014 \$	Q3 2014 \$	Q2 2014 \$	Q1 2014 \$
Total Expenses	713,509	698,252	646,262	782,261	1,266,713	814,433	822,570	734,251
Interest Income Foreign	5,178	6,938	3,065	4,299	4,743	8,201	8,583	9,311
Exchange and other gain /(loss) Gain on write-off	(8,028)	(6,776)	571	(3,362)	(8,688)	(1,594)	6,684	603
of accounts payable Net and	2,130	-	-	-	-	-	-	-
Comprehensive Loss Basic Loss per	714,229	698,090	642,626	781,324	1,270, 658	807,826	807,303	724,337
share	\$0.02	\$0.01	\$0.02	\$0.02	0.03	0.02	0.02	0.02

Share-based compensation expense impacts expenses and net and comprehensive loss as follows: Q4 2015: \$177,196; Q3 2015: \$77,697; Q2 2015: \$115,713; Q1 2015: \$267,346; Q4 2014: \$575,566; Q3 2014 \$54,530; Q2 2014: \$113,867 and Q1 2014: \$191,872.

Pre-clinical expenses trended higher Q1 2014 through Q3 2014 followed by lower trend Q4 2014 through Q1 2015, and then rebounded in Q2 2015 through Q3 2015 followed by lower trend again in Q4 2015, principally due to work on the Company's preclinical partnership programs, on the Company's internal Transcend peptide program, and on university research work related to Transcend.

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#### SELECTED ANNUAL FINANCIAL INFORMATION

The following is selected financial information for the Company's three completed fiscal years:

Selected Annual Financial	Feb 28, 2015	Feb 28, 2014	Feb 28, 2013
Information	\$	\$	\$
Total Revenues	Nil	Nil	Nil
Total Expenses	2,840,284	3,637,967	4,992,398
Interest income	19,480	30,838	26,156
Gain on write-off of payables	2,130	-	-
Foreign Exchange gain / (loss)	(17,595)	(2,995)	5,477
Net Loss	2,836,269	3,610,124	4,960,765
Net Loss per share, basic and			
diluted	0.07	0.09	0.13
Total Assets	2,211,700	2,578,584	3,835,262
Total long term liabilities	-	1,234	-
Cash dividends declared	Nil	Nil	Nil

Expense trend is lower principally due to impact of share based compensation expenses as follows: \$637,952 in fiscal 2015, \$935,835 in fiscal 2014, and \$2,550,459 in fiscal 2013. Preclinical expense is lower in fiscal 2015 due to decreased expenditures as a result of much of the work being performed by third parties at their own expense. Fiscal 2013 was also impacted by the impairment charge of \$340,427 in respect of the Company's UBC Patents and IP (Cognitest).

## **RESULTS OF OPERATIONS**

Below are the results of operations for the three and twelve months ended February 28, 2015 (Q4 2015 and YTD 2015) as compared to the three and twelve months ended February 28, 2014 (Q4 2014 and YTD 2014).

Expenses are classified by function.

## **General and Administration Expense**

The following table identifies the composition and changes in General and Administrative ("G&A") expense for Q4 2015 compared to Q4 2014 and YTD 2015 compared to YTD 2014:

General and Administrative Expense	Q4 2015 \$	Q4 2014 \$	Increase (decrease) \$	YTD 2015 \$	YTD 2014 \$	Increase (decrease) \$
Office, insurance, amortization	23,927	32,187	(8,260)	93,826	127,194	(33,368)
Salaries and consulting	105,785	116,272	(10,487)	433,391	461,786	(28,395)
Share-based compensation	163,895	389,796	(225,901)	575,076	685,152	(110,076)
Professional and regulatory	23,475	23,784	(309)	122,533	99,044	23,489
Investor relations, marketing and						
travel	61,167	67,543	(6,376)	264,545	265,033	(488)
Total General and Administrative						
Expense	378,249	629,582	(251,333)	1,489,371	1,638,209	(148,838)

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## Q4 2015 compared to Q4 2014

General and Administrative (G&A) expense for Q4 2015 was \$378,249, a \$251,333 decrease in expense over Q4 2014 expense of \$629,582, principally due to decreases of \$6,376 in investor relations, marketing and travel, \$225,901 in share-based compensation, \$309 in professional and regulatory, \$10,487 in salaries and consulting, and \$8,260 in office, insurance, and amortization.

## YTD 2015 compared to YTD 2014

G&A expense for YTD 2015 was \$1,489,371, a \$148,838 decrease in expense over YTD 2014 expense of \$1,638,209, principally due to a decrease in share-based compensation expense of \$110,076 as a reflection of options forfeited in YTD 2015 and a decrease in investor relations, marketing and travel by \$488, a decrease of \$33,368 in office, insurance, and a decrease of \$28,395 in salaries and consulting and amortization, offset by an increase in professional and regulatory by \$23,489 principally due to expense relating to the Company's listing on the OTCQX during 2015.

## **Research and Development Expense**

The following table identifies the composition and changes in Research and Development (R&D) expense for Q4 2015 as compared to Q4 2014 and YTD 2015 as compared to YTD 2014:

Research and Development Expense	Q4 2015 \$	Q4 2014 \$	Increase (decrease)	YTD 2015 \$	YTD 2014 \$	Increase (decrease)
Amortization	12,250	12,250	-	48,998	48,998	_
Patent maintenance legal & filing						
fees	101,512	102,513	(1,001)	292,611	258,094	34,517
Pre-clinical	121,657	210,783	(89,126)	568,631	1,216,425	(647,794)
Pre-clinical contribution	-	2,907	(2,907)	-	(259,863)	259,863
Salaries, consulting fees and						
benefits	85,540	122,908	(37,368)	377,797	485,421	(107,624)
Share-based compensation	13,301	185,770	(172,469)	62,876	250,683	(187,807)
Total Research and Development						
Expense	334,260	637,131	(302,871)	1,350,913	1,999,758	(648,845)

## Q4 2015 compared to Q4 2014

R&D expense for Q4 2015 is \$334,260, a decline of \$302,871 over Q4 2014 expense of \$637,131, principally due to a decrease of \$172,469 in share-based compensation, a decrease of \$92,033 in preclinical, net of contributions, a decrease of \$36,368 in salaries, consulting fees and benefits and a decrease of \$1,001 in patent expenditures as compared to Q4 2014.

## YTD 2015 compared to YTD 2014

R&D expense for YTD 2015 is \$1,350,913, a decline of \$648,845 in expense over YTD 2014 expense of \$1,999,758, principally due to a decrease of \$187,807 in share-based compensation expense, a decrease of \$387,931 in preclinical, net of contributions, and a decrease of \$107,624 in salaries, consulting fees and benefits, which is offset by an increase of \$34,517 in patent expenditures as compared to YTD 2014. The lower share-based compensation expense

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calculated using the Black-Scholes fair value model is principally due to lower fair value of grant price at option date and options forfeited. The decrease in preclinical and salaries, consulting fees and benefits in YTD 2015 is a result of much of the work being performed by third parties at their own expense. Patent maintenance, legal and filing fees expense increase in YTD 2015 reflects expense of new patent filings and expense associated with issuance of the lysosomal storage diseases patent.

## **Other Items**

The following table identifies the composition of Other Items:

0.1	Q4	Q4	Increase	YTD	YTD	Increase
Other items	2015	2014	(decrease)	2015	2014	(decrease)
	\$	\$	\$	\$	\$	\$
Interest income	5,178	4,743	435	19,480	30,838	(11,358)
Gain on write-off of payables	2,130	-	2,130	2,130	-	2,130
Foreign exchange gain / (loss)	(8,028)	(8,688)	660	(17,595)	(2,995)	(14,600)
Total Other Items	(720)	(3,945)	3,225	4,015	27,843	(23,828)

The decrease in interest income in YTD 2015 principally reflects lower interest rates on term deposits and short term investment with Canadian Schedule I chartered bank.

# **Net and Comprehensive Loss**

As a result of operations noted above Net Loss and Comprehensive Loss is as follows:

	Q4	Q4	Increase	YTD	YTD	Increase
Net and Comprehensive Loss	2015	2014	(decrease)	2015	2014	(decrease)
	\$	\$	\$	\$	\$	\$
Net and Comprehensive Loss	714,229	1,270,658	(556,429)	2,836,269	3,610,124	(773,855)
Net Loss per share (basic and						_
fully diluted)	0.02	0.03	(0.01)	0.07	0.09	(0.02)

## LIQUIDITY AND CAPITAL RESOURCES

## **Financial Condition**

As at February 28, 2015 the Company had working capital of \$1,523,871, a decrease in working capital of \$336,264 from February 28, 2014. Working capital includes cash and cash equivalents of \$1,338,882 and short-term investments of \$300,000. The decrease in working capital is principally due to the net loss for YTD 2015 adjusted for items not affecting cash of \$2,148,084 which is offset by the net proceeds of \$1,812,570 received from the private placement and the exercise of incentive stock options.

The Company's objective is to maintain a sufficient capital base to fund at least twelve months of operations and to undertake further pre-clinical studies on Transcend. Management estimates that the Company has approximately twelve months of working funds on hand. The Company will continue to need to raise working capital through the sale of common stock and license and collaborations in the future to fund its operations and preclinical program.

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If the Company is successful in its preclinical program then the Company may attract pharmaceutical partners to fund clinical trials. The Company has no earnings to date and has funded its operations and research and development principally through sale of common stock. If the Company is unsuccessful in raising additional funds in future sales of common stock and new sources of financing such as milestone payments or joint venture arrangements cannot be secured then the Company will be forced to curtail its activities to a level for which resources are available.

#### Cash flow

## YTD 2015 compared to YTD 2014

Net cash used by operating activities in YTD 2015 is \$2,015,153 as compared to \$2,824,320 in YTD 2014, a decrease in use of cash of \$809,167, principally due to decrease in net loss adjusted for non-cash items by \$472,993, increase in cash inflows from accounts receivable of \$223,720, decrease in cash outflows from prepaid expenses of \$38,430 and a decrease in cash outflows from accounts payable of \$74,024 in comparison to the prior year.

Investing activities for YTD 2015 provided cash of \$449,250, a decrease of \$300,750, principally due to a decrease in redemption of investments in short term GICs by \$300,000.

Financing activity for YTD 2015 raised net cash proceeds of \$1,812,570 through the private placement and the exercise of options, an increase of \$341,428 over YTD 2014. YTD 2014 raised net cash proceeds of \$1,471,142 from the exercise of warrants and options.

#### OFF-BALANCE SHEET ARRANGEMENTS

There are no off-balance sheet arrangements.

## **OUTSTANDING SHARE DATA**

The authorized share capital consists of an unlimited number of common shares without par value.

Outstanding Share Data	Number of Common Shares	Exercise Price per Common Share	Expiry Dates
Issued and outstanding common shares as at			
June 29, 2015	44,129,257		
Warrants	1,849,477	\$0.575 - \$1.20	August 29, 2015 - August 5, 2016
Incentive stock options	6,170,000	\$0.52 - \$1.42	September 14, 2015 - December 18, 2018
Fully diluted shares as at June 29, 2015	52,148,734		-

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## RELATED PARTY TRANSACTIONS

## Related Party Transactions with key management personnel

During the year ended February 28, 2015, the Company paid \$nil (2014: \$12,000), pursuant to a consulting contract, to a director and a company controlled by a director and officer of the Company for consulting services and for acting in his capacity as President and Chief Executive Officer ("CEO") and \$168,000 (2014: \$154,000) pursuant to a salary contract beginning April 1, 2013 for services and for acting in his capacity as President and CEO. The Company also incurred payroll benefits expense of \$3,708 (2014: \$5,698) attributed to this party. As at February 28, 2015, the Company owed \$1,750 (2014: \$nil) to the CEO, which is unsecured, non-interest bearing and with no repayment terms.

During the year ended February 28, 2015, the Company paid \$24,000 (2014: \$72,000), pursuant to a consulting contract, to a former director and officer of the Company for consulting services and for acting in his capacity as Chief Financial Officer ("CFO"). The Company paid \$50,820 (2014: \$nil) to an officer of the Company, pursuant to a consulting contract for consulting services and for acting in her capacity as CFO.

During the year ended February 28, 2015, the Company incurred legal expenses of \$2,040 (2014: \$2,585) to a law firm, a principal of whom is a relative of the CEO of the Company. As at February 28, 2015, the Company owed or accrued \$nil (2014: \$559) to this law firm, which is unsecured, non-interest bearing and with no repayment terms.

During the year ended February 28, 2015, 1,065,000 options were granted to directors or officers (2014: 1,200,000 granted) and directors were paid board and board committee fees of \$33,000 (2014: \$33,000) and the Company incurred payroll benefits expense of \$361 (2014 - \$412) attributed to these parties. As at February 28, 2015, the Company owed or accrued \$16,320 (2014: \$nil) to directors, which is unsecured, non-interest bearing and with no repayment terms.

An insider of the Company purchased a total of 30,530 Units under the private placement closed on August 29, 2014 and their participation in the Private Placement constitutes a "related party transaction" as defined in Multilateral Instrument 61-101 ("MI 61-101").

These transactions were in the normal course of operations and have been recorded at their exchange amounts, which is the consideration agreed upon between the related parties.

## CONTRACTUAL OBLIGATIONS

Contractual		Payments due by period			
Obligations	Total	Less than one year	1 – 2 years		
	\$	\$	\$		
Premises lease	31,644	31,644	-		

<sup>\*</sup>Canadian dollars and Canadian dollar equivalent

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## PROPOSED TRANSACTIONS

There are no proposed transactions currently approved by the board of directors.

## CRITICAL ACCOUNTING POLICIES AND ESTIMATES

The preparation of financial statements in conformity with International Reporting Standards (IFRS) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the period. Actual results could differ from those estimates. Significant estimates include the estimated useful life of long-lived assets, the recoverability of amounts recorded for long-lived assets, valuation allowance on future income taxes and estimates used in calculating stock-based compensation. By their nature, these estimates are subject to measurement uncertainty and the effect on the financial statements of changes in such estimates in future periods could be significant.

## **Research and Development Costs**

Research expenditures are expensed as incurred. Development expenditures are deferred when they meet the criteria for capitalization in accordance with IFRS and the future benefit could be regarded as reasonably certain. Related tax credits are accounted for as a reduction to research and development expenditures on the condition that the Company is reasonably certain that these credits will materialize. To date no costs have been deferred.

Pre-clinical trial expenses relating to service agreements with contract research organizations, investigators, contractors and other service providers who conduct product development activities for the Company are recorded based on the estimated amount of work completed for each pre-clinical trial. During internal reviews, contractual terms and obligations, correspondence and discussions with service providers are considered in order to estimate the amount of pre-clinical trial expense for an accounting period.

## **Intangible Assets**

The Company's intangible assets are comprised of purchased technology, patents and licenses.

Intangible assets acquired as part of a group of other assets are initially recognized and measured at cost less accumulated amortization and accumulated impairment losses. The cost of a group of intangible assets acquired in a business combination that meet the specified criteria for recognition apart from goodwill, is allocated to the individual assets acquired based on their relative fair values.

Intangible assets with finite useful lives are amortized over their estimated useful lives ranging from 10 to 20 years from the date they are available for use, since this most closely reflects the expected pattern of consumption of the future economic benefits embodied in the asset. Factors considered in estimating the useful life of intangible assets include the expected use of the asset by the Company, legal, regulatory and contractual provisions that may limit the useful life, and the effect of competition. Costs incurred to establish and maintain patents for intellectual property are expensed in the period incurred.

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The Company reviews the carrying costs of long-lived assets for impairment at least annually or whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable. In accordance with IFRS impairment exists when the carrying value of an asset exceeds it recoverable amount, which is the higher of its fair value less costs to sell or its value in use. The fair value less costs to sell calculation is based on available data from observable market prices, less incremental costs. The value in use calculation is based on the discounted cash flow model. These calculations require the use of estimates and forecasts of future cash flows. Qualitative factors, including market size and market growth trends, as well as other factors are considered when making assumptions with regard to future cash flows and the appropriate discount rate. A change in any of the significant assumptions of estimates used in evaluating the underlying assets could result in a material change to the results of operations.

Impairment losses recognized in prior periods are assessed at each reporting date for any indications that the loss has decreased or no longer exists. An impairment loss is reversed to the extent that the assets carrying amount does not exceed the carrying amount that would have been determined, net of amortization, if no impairment has been recognized. Write-downs as a result of impairment are recognized in research expense in the statement of comprehensive loss.

## **Share-based Compensation**

The Company accounts for share-based compensation expense using the fair value based method. The fair value of stock-based payments to non-employees that vest over a service period, are periodically re-measured until counterparty performance is completed, and any change therein is recognized over the service period. The cost of stock-based payments that are fully vested and non-forfeitable at the grant date are measured and recognized at that date. The Company uses the Black-Scholes option-pricing model to determine fair value of options granted. At each financial position reporting date, the amount recognized as an expense is adjusted to reflect the actual number of share options that are expected to vest.

## **CHANGES IN ACCOUNTING POLICIES**

## Accounting Standards and Interpretations Adopted on March 1, 2014

IAS 32, Financial Instruments: Presentation: In December 2011, the IASB issued an amendment to clarify the meaning of the offsetting criterion and the principle behind net settlement, including identifying when some gross settlement systems may be considered equivalent to net settlement.

IAS 36 Impairment of Assets: In May 2013, the IASB issued an amendment to address the disclosure of information about the recoverable amount of impaired assets or a CGU for periods in which an impairment loss has been recognized or reversed. The amendments also address disclosure requirements applicable when and asset's or a CGU's recoverable amount is based on fair value less costs of disposal.

IFRIC 21 Levies: In May 2013, the IASB issued IFRIC 21, an interpretation of IAS 37, Provisions, Contingent Liabilities and Contingent Assets, on the accounting for levies imposed by governments. IAS 37 sets out criteria for the recognition of a liability, one of which is the requirement for the entity to have a present obligation as a result of a past event ("obligating event"). IFRIC 21 clarifies that the obligating event that gives rise to a liability to pay a levy is the activity described in the relevant legislation that triggers the payment of the levy.

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The mandatory adoption of the standards and amendments listed above did not have a significant impact on the Company's consolidated financial statements for the years presented.

## **FUTURE ACCOUNTING POLICIES CHANGES**

## **Accounting Standards and Interpretations Issued but Not Yet Effective**

The following standard will be adopted by the Company effective March 1, 2016:

IAS 1, Presentation of Financial Statements: In December 2014, the IASB issued amendments to IAS 1 to address perceived impediments to preparers exercising their judgement in presenting their financial statements by clarifying that information should not be obscured by aggregating or by providing immaterial information, materiality considerations apply to all parts of the financial statements, and even when a standard requires a specific disclosure, materiality considerations do apply. The amendments also clarify that the list of line items to be presented in these statements can be disaggregated and aggregated as relevant and additional guidance on subtotals in these statements and clarification that an entity's share of other comprehensive income of equity-accounted associates and joint ventures should be presented in aggregate as single line items based on whether or not it will subsequently be reclassified to profit or loss.

IAS 16, Property, Plant and Equipment and IAS 38, Intangible Assets: In May 2014, the IASB issued amendments to IAS 16 and IAS 38. The amendments clarify that the use of revenue-based methods to calculate the depreciation of an asset is not appropriate because revenue generated by an activity that includes the use of an asset generally reflects factors other than the consumption of the economic benefits embodied in the asset. The amendments also clarifies that revenue is generally presumed to be an inappropriate basis for measuring the consumption of the economic benefits embodied in an intangible asset. This presumption, however, can be rebutted in certain limited circumstances.

The following standard will be adopted by the Company effective March 1, 2017:

IFRS 15 Revenue from Contracts with Customers: In May 2014, the IASB issued IFRS 15, Revenue from Contracts with Customers which supersedes IAS 11, Construction Contracts, IAS 18, Revenue, IFRIC 13, Customer Loyalty Programmes, IFRIC 15, Agreements for the Construction of Real Estate, IFRIC 18, Transfers of Assets from Customers, and SIC 31, Revenue – Barter Transactions Involving Advertising Services. IFRS 15 establishes a comprehensive five-step framework for the timing and measurement of revenue recognition.

The following standard will be adopted by the Company effective March 1, 2018:

IFRS 9 Financial Instruments: The IASB intends to replace IAS 39, Financial Instruments: Recognition and Measurement in its entirety with IFRS 9, Financial Instruments which is intended to reduce the complexity in the classification and measurement of financial instruments.

The Company is currently evaluating the impact that the adoption of the future standards may have on the Company's consolidated financial statements.

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## **RISKS**

The Company has no products in commercial production or product revenues and no history of earnings or dividends. The ability of the Company to continue its operations is dependent upon its ability to obtain additional funding through licensing of its technology and collaboration agreements with up-front and milestone payments, research grant funding, the sale of common stock and other strategic alternatives which could result in significant dilution in the equity interest of existing shareholders. The eventual profitability of the Company and its ability to continue as a going concern is dependent upon many factors, including its ability to obtain sufficient financing on terms acceptable to the Company, its ability to retain and attract key personnel, near term patent expirations that could impact the Company's ability to license its technology, securing and developing new intellectual property, the cost and logistics associated with maintaining and enforcing patents and intellectual property, the ability not to infringe on the intellectual property rights of others, strongly financed competitors, the Company's business is subject to potential liability and other claims, the biotechnology industry is subject to rapid and substantial technological change which could reduce the marketability of the Company's technology, costs and delays associated with pre-clinical studies and clinical trials, successful research outcomes, securing collaborations and agreements with licensing partners that involve up-front and milestone fees, and receipt of regulatory approvals.

In general, prospects for companies in the biopharmaceutical industry may be regarded as uncertain given the nature of the industry; therefore, investments in such companies should be regarded as highly speculative.

The Company's primary market risk is exposure to foreign currency exchange fluctuations.

## **COMPANY CONTACTS**

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