

MED BIOGENE INC.

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

INTRODUCTION

The following management discussion and analysis of the financial condition and results of operations ("MD&A") of Med BioGene Inc. (the "Company" or "MBI") has been prepared by management, in accordance with the requirements of National Instrument of 51-102 as of April 29, 2020 and should be read in conjunction with the audited consolidated financial statements for 2019 and 2018 and the related notes contained therein which have been prepared under International Financial Reporting Standards ("IFRS") as issued by the International Accounting Standards Board ("IASB"). The following should also be read in conjunction with the audited consolidated financial statements and the related MD&A for the year ended December 31, 2019, and all other disclosure documents of the Company. The information provided in this document is not intended to be a comprehensive review of all matters and developments concerning the Company. Additional information relevant to the Company's activities can be found on SEDAR at www.sedar.com and the Company's website at www.medbiogene.com.

All financial information in this MD&A related to 2019 and 2018 has been prepared in accordance with IFRS and all dollar amounts are quoted in US dollars, the reporting currency of the Company, unless noted otherwise.

FORWARD-LOOKING INFORMATION

Certain information in this MD&A contains forward-looking information and statements ("forward-looking information") of MBI under applicable Canadian and United States legislation. Words such as "anticipates," "believes," "estimates," "expects," "intends," "may," "plans," "projects," "will," "would" and similar expressions are intended to identify forward-looking information, although not all forward-looking information contains these identifying words. Forward looking information includes, but is not limited to, that with respect to the timing, completion studies, the timing for commercialization of any products, future profits, future product revenues, future shareholder value, future operations and plans, the completion and use of proceeds from transactions or financings and the prospects for negotiating partnerships or collaborations and their timing. This forward-looking information is only a prediction based upon MBI's current expectations, and actual events or results may differ materially. MBI may not actually achieve the plans, intentions or expectations disclosed in its forward-looking information. Forward-looking information is subject to known and unknown risks and uncertainties and is based upon uncertain assumptions that could cause a MBI's actual results and the timing of events to differ materially from those anticipated in such forward-looking information. You are cautioned not to place undue reliance on this forward-looking information, which speak only as of the date of this MD&A. MBI's forward-looking information does not reflect the potential impact of any future partnerships, collaborations, acquisitions, mergers, dispositions, joint ventures or investments that MBI may make. All forward-looking information herein is qualified in its entirety by this cautionary statement and MBI undertakes no obligation to revise or update any such forward-looking information as a result of new information, future events or otherwise after the date of this MD&A, other than as required by applicable law. Each trademark, trade name or service mark of any entity appearing in this MD&A belongs to its holder.

GOING CONCERN UNCERTAINTY

It is believed that MBI's ability to continue as a going concern and achieve its business objectives is dependent upon obtaining significant additional financing. On November 28, 2016, MBI announced a termination and settlement of the prior commercialization and licensing agreement (as amended, the "Commercialization Agreement") with Helomics™ Corporation. This terminates the original licensing

agreement put in place in 2011 by prior MBI management and relieves MBI of all the encumbrances associated with this agreement.

Subsequent to this termination, a realistic assessment of the potential value of the Company’s intellectual property concluded that it was negligible due to the development of less invasive, and more cost effective, prognostic procedures.

As a result, MBI continues to operate in as lean a manner as possible to conserve cash reserves while exploring other business opportunities related to non-medical technologies. The Company anticipates that it will develop other licensing partners for new technologies in order to maintain operations. Management’s intention is to implement much simpler licensing agreements in the future than were previously in place, with stronger mechanisms to ensure royalty streams begin sooner and are less cluttered by encumbrances and other setoffs. Such relationships will also depend on the willingness of the new licensing partners to entertain such terms in the final agreement.

If MBI needs to raise additional funds through the sale of equity or debt securities or the merger or sale of MBI, the sale of such additional equity and debt securities may result in dilution to MBI shareholders, or it may not be available in amounts or on terms acceptable to MBI. If additional capital is required and not obtained, MBI may be forced to cease operations.

BUSINESS

MBI was initially a life science company focused on commercializing a prognostic genomic-based test for non-small-cell lung cancer (“NSCLC”). This intellectual property was believed to hold promise, but was subsequently found to not be cost effective. Consequently, MBI is now focusing on the commercialization of technologies in a number of industrial sectors which offer much lower entry costs, and broader general acceptance in other markets.

SELECTED ANNUAL INFORMATION

The following financial data are from the Company’s audited consolidated financial statements for the years ended 2019, 2018 and 2017 (prepared under IFRS):

	December 31, 2019	December 31, 2018	December 31, 2017
Income (loss) for the year	\$ (63,475)	\$ (54,617)	\$ (339,064)
Income (loss) per share	(0.01)	(0.01)	(0.04)
Total assets	13,152	3,465	1,376
Long term debt	-	-	-
Cash dividends declared	-	-	-

During the year ended December 31, 2019, the Company recorded a net loss of \$63,475 which consists entirely of general and administrative expenses. The Company issued 4,500,000 shares with a fair value of \$169,135 (CAD \$225,000) and expensed it to operations.

During the year ended December 31, 2018, the Company recorded a net loss of \$54,617 which consists entirely of general and administrative expenses.

During the year ended December 31, 2017, the Company recorded a net loss of \$339,064 which consists entirely of general and administrative expenses. The Company granted 875,000 stock options with a fair

value of \$257,946 and expensed it to operations.

RESULTS OF OPERATIONS

Year-end and fourth quarter

MBI recorded a net loss of \$63,475 (\$0.01 per share) for the year ended December 31, 2019 compared to net loss of \$54,617 (\$0.01 per share) for the year ended December 31, 2018. There were no non-cash items included in the loss for the year ended December 31, 2019 and 2018.

The Company generated a net loss of \$8,181 (\$0.00 per share) for the three months ended December 31, 2019 compared to net loss of \$9,201 (\$0.00 per share) for the three months ended December 31, 2018.

The Company did not generate any revenue during the three months ended December 31, 2019 and 2018. The results are consistent with management's expectations for the periods. The decrease in net loss can be attributed to the decrease in facilities and operations expenses during the year.

Expenses

General and administrative expenses consist of business development and consulting fees, public company costs, facilities and office operations expenses and professional fees.

General and administrative expenses were \$8,181 for the three months ended December 31, 2019 compared to \$9,201 for the three months ended December 31, 2018. The decrease in general and administrative expenses for the three months ended December 31, 2019 compared to the three months ended December 31, 2018 is primarily attributable to the decrease in facilities and operations, professional fees and public company costs incurred in the current year.

Total general and administrative expenses were \$63,475, for the year ended December 31, 2019 compared to \$54,617 for the year ended December 31, 2018. The increase in the current year is primarily attributable to an increase in legal expenses and public company costs.

A summary of general and administrative expenses follows:

	Three months ended		Year ended	
	December 31,		December 31,	
	2019	2018	2019	2018
Facilities and operations	2,569	3,284	10,800	14,524
Professional fees	5,108	5,382	35,943	31,854
Public company costs	504	535	12,040	8,239
Consulting	-	-	4,692	-
	\$ 8,181	\$ 9,201	\$ 63,475	\$ 54,617

MBI does not utilize derivative instruments. While MBI does incur expenses denominated in U.S. dollars, MBI purchases foreign currency as required on the spot market. At present, management believes that the timing and size of such U.S. dollar transactions does not warrant active hedging; however, as the business develops in the future, some limited hedging activity may be undertaken.

MBI invests its cash reserves in liquid and highly secure investments. MBI does not hold any investments in asset backed commercial paper. Presently all of MBI's cash reserves are held on deposit with a major Canadian chartered bank. MBI does not guarantee any third party obligations and has not entered into any

off-balance sheet arrangements.

Other comprehensive income (loss)

Other comprehensive income (loss) results from the foreign exchange translation adjustments in MBI's consolidated financial statements resulting from exchange rate differences between its functional currency, which is Canadian dollars, and its reporting currency, which is U.S. dollars.

SUMMARY OF QUARTERLY RESULTS (PREPARED UNDER IFRS)

FOR THE THREE MONTHS ENDED:

	December 31, 2019	September 30, 2019	June 30, 2019	March 31, 2019
Revenue	\$ -	\$ -	\$ -	\$ -
Total expenses	8,181	19,708	18,729	16,857
Net income (loss)	(8,181)	(19,708)	(18,729)	(16,857)
Total assets	13,152	33,026	177,906	9,883
Net income (loss) per share	(0.01)	(0.00)	(0.00)	(0.00)

	December 31, 2018	September 30, 2018	June 30, 2018	March 31, 2018
Revenue	\$ -	\$ -	\$ -	\$ -
Total expenses	9,201	7,792	24,387	13,237
Net income (loss)	(9,201)	(7,792)	(24,387)	(13,237)
Total assets	3,465	5,575	7,464	9,493
Net income (loss) per share	(0.00)	(0.00)	(0.00)	(0.00)

CONTRACTUAL OBLIGATIONS

With the cessation of attempts to commercialize the company's medical intellectual property, MBI has no contractual obligations.

On November 28, 2016, the Company and Helomics™ signed a settlement agreement which terminated the Commercialization Agreement dated April 15, 2011. Helomics™ paid a lumpsum amount to the Company as a part of the settlement agreement which has been included as other income in the statement of comprehensive income (loss) for the year ended December 31, 2016. All other debts, setoffs, and other residual obligations from MBI back to Helomics™ were waived in full as a result of the settlement agreement.

RELATED PARTY TRANSACTIONS

During the year ended December 31, 2019, the Company:

- (i) paid or accrued \$10,754 (2018 - \$11,076) and \$9,044 (2018 - \$9,261) for accounting fees to a firm where a director of the Company is a partner and to an officer of the Company respectively;

During the year ended December 31, 2018, the Company:

- (i) paid or accrued \$11,076 (2017 - \$11,300) and \$9,261 (2017 - \$9,254) for accounting fees to a firm where a director of the Company is a partner and to an officer of the Company respectively;

Related party transactions are reflected as part of general and administrative expense. Amounts owing to these related parties (including former management and directors of the Company) as at December 31, 2019 were \$9,392 (December 31, 2018 - \$6,807). These amounts are non-interest bearing and due on demand.

NEW ACCOUNTING STANDARDS ADOPTED EFFECTIVE JANUARY 1, 2019

IFRS 16, *Leases* (“IFRS 16”) – IFRS 16 replaces the current standard IAS 17, “Leases”, and its associated interpretative guidance. This standard sets out a new model for lease accounting. A lessee can choose to apply IFRS 16 using either a full retrospective approach or a modified retrospective approach.

The Company adopted IFRS 16 on January 1, 2019 and did not identify any lease obligations. As a result, adopting this standard did not have an impact on the consolidated financial statements.

LIQUIDITY AND CAPITAL RESOURCES

At December 31, 2019, MBI had cash totalling \$10,965 and a working capital deficiency of \$37,267, compared to cash of \$2,398 and a working capital deficiency of \$133,817 at December 31, 2018.

Cash used in operating activities was \$151,458 for the year ended December 31, 2019 compared to \$8,299 for the year ended December 31, 2018. The cash used in operating activities consisted mainly of consulting fees, professional fees, payments to third parties and company operating costs.

FINANCIAL INSTRUMENTS AND FINANCIAL RISK MANAGEMENT

Capital disclosure

The Company considers share capital, warrants, and equity reserves as capital. The Company’s objectives when managing its capital structure are to provide sufficient capital to advance the commercialization of its products, meet the Company’s obligations as they come due, and provide for the potential acquisition of additional intellectual property rights related to products within the Company’s strategic plans.

The Company’s officers and senior management take full responsibility for managing the Company’s capital and do so through quarterly meetings and regular review of financial information. The Company’s Board of Directors is responsible for overseeing this process.

The Company monitors its capital structure and may make adjustments to it in light of changes in the Company’s operating performance, changes in economic conditions and the risk characteristics of the underlying assets. When adjustments to the capital structure are considered appropriate, such changes may include the issuance of new shares, issuance of new debt, or re-purchasing of shares for cancellation.

The Company is not subject to externally imposed capital requirements and there has been no change with respect to the overall capital risk management strategy during the year ended December 31, 2019. The method used by the Company to manage its capital has been the issuance of new share capital. Management does not foresee any changes to this in the future, however this cannot be assured.

Credit risk

Credit risk is the risk of an unexpected loss if a customer or third party to a financial instrument fails to meet its contractual obligations and arises principally from the Company's cash and cash equivalents and government contribution receivable. At present, the Company holds its cash in Canadian rated financial institutions and will only consider investment of excess cash in highly rated government and corporate debt securities or guaranteed certificates from Canadian chartered banks. The Company has established guidelines, including diversification, credit ratings and maturities, to ensure safety and liquidity of its cash. These guidelines are periodically reviewed by the Company's audit committee and modified to reflect changes in market conditions.

Liquidity risk

Liquidity risk is the risk that the Company will not be able to meet its financial obligations as they come due. To the extent that the Company does not believe it has sufficient liquidity to meet its current obligations, the Board of Directors considers securing additional funds through issuances of equity and debt or partnering transactions. The Board of Directors approves the Company's annual operating and capital budgets as well as any material transactions outside the ordinary course of business. Management regularly reviews these budgets and maintains short-term cash flow forecasts. At December 31, 2019, the Company's current liabilities including accounts payable and due to related parties were \$50,419 (December 31, 2018 - \$137,282).

Market risk

Market risk is the risk that changes in foreign exchange rates, interest rates and equity prices will affect the Company's future cash flows or valuation of its financial instruments. The Company is exposed to the financial risk related to the fluctuation of foreign exchange rates. Foreign currency risk is limited to the portion of the Company's business transactions denominated in currencies other than the Canadian dollar, primarily expenses for consulting, research and development work incurred in US dollars. The Company believes that the results of operations and cash flows would be affected by a sudden change in foreign exchange rates, but would not impair or enhance its ability to pay its US dollar denominated obligations. The Company does not currently view its exposure to US dollars as a significant risk due to the limited volume of transactions it conducts in this currency.

The Company is subject to interest rate risk on its cash and cash equivalents and believes its results of operations, financial position and cash flows would not be significantly affected by a sudden change in market interest rates relative to the investment interest rates due to the short-term nature of the investments. Excess cash is invested in highly rated investment securities at fixed interest rates with varying terms to maturity but generally with maturities of nine months or less from the date of purchase.

As at December 31, 2019, the Company held no cash equivalents. The Company does not invest in equity instruments of other corporations.

Changes in the Company's share price could impact its ability to raise additional capital.

Fair value hierarchy

Financial instruments recognized at fair value on a recurring basis in the consolidated statement of financial position must be classified into one of the three following fair value hierarchy levels:

Level 1 – measurement based on quoted prices (unadjusted) observed in active markets for identical assets and liabilities;

Level 2 – measurement based on inputs other than quoted prices included in Level 1, that are observable for the asset and liability;

Level 3 – measurement based on inputs that are not observable (supported by little or no market activity) for the asset or liability.

The Company’s financial instrument carrying amounts and fair values by levels per the fair value hierarchy (there were no changes from the prior year) are as follows:

	Fair Value Level	December 31, 2019	December 31, 2018
Financial assets			
Cash	1	\$ 10,965	\$ 2,398

INTERNAL CONTROLS OVER FINANCIAL REPORTING

Changes in Internal Control over Financial Reporting (“ICFR”)

In connection with National Instrument 52-109, Certification of Disclosure in Issuer’s Annual and Interim Filings (“NI 52-109”) adopted in December 2008 by each of the securities commissions across Canada, the Chief Executive Officer and Chief Financial Officer of the Company will file a Venture Issuer Basic Certificate with respect to financial information contained in the unaudited interim consolidated financial statements and the audited annual consolidated financial statements and respective accompanying Management’s Discussion and Analysis. The Venture Issue Basic Certification does not include representations relating to the establishment and maintenance of disclosure controls and procedures and internal control over financial reporting, as defined in NI 52-109.

RISKS AND UNCERTAINTIES

Prospects for companies in the technology development and commercialization sector generally may be regarded as uncertain given the nature of the industry and, accordingly, investments in such companies should be regarded as highly speculative. Readers should carefully consider the risk factors and other information included herein. The risks and uncertainties described herein are not the only ones applicable. Additional risks and uncertainties not presently known to MBI or currently deemed immaterial may also impair the financial results of MBI. If any of the risks referred to herein or incorporated by reference herein actually occur, MBI’s business, financial condition or results of operations could be materially adversely affected.

MBI’s near-term financial success and the market price of the common shares will depend upon successful commercialization of one or more of the products its licensed products, and MBI will need to generate sufficient revenues from this to achieve profitability.

For the foreseeable future, MBI expects to derive substantially all of its revenues, if any, from the commercialization of one or more of the products it intends to license. There can be no assurances that the commercialization will happen within an acceptable time period, if at all. If MBI is unable to successfully

commercialize the products, MBI's future licensing revenues and ability to achieve profitability will be impaired, and the market price of the common shares could decline significantly.

MBI may take longer than expected to achieve successful commercialization of the licensed products and at within such time that MBI expects, if at all.

Successful commercialization of the products will depend upon securing a partnership with a company or organization who can leverage their commercial experience and infrastructure relating to sales and marketing. This may take longer than expected to and such partnership may not result in the benefits that MBI expects, if at all.

Should a potential partner commercialize one or more of the licensed products, they may not gain acceptance within the marketplace, this could have a material impact on MBI's licensing revenues and business.

If the products fail to gain market acceptance, MBI's ability to generate licensing revenue would be impaired, which could have a material impact on its business, financial condition and operations.

Fluctuations in exchange rates could result in foreign currency exchange losses.

Substantially all of MBI's expenses are currently denominated in Canadian dollars, while a portion of its expenses are denominated in foreign currencies, primarily in U.S dollars. Fluctuations in exchange rates, particularly those involving the U.S. dollar, may affect MBI's costs. Where MBI's operations conducted in Canadian dollars are reported in U.S. dollars, such fluctuations could result in changes in reported results which do not reflect changes in the underlying operations. As substantially all of its current expenses are denominated in Canadian dollars, any potential future appreciation of the Canadian dollar against the U.S. dollar could adversely affect MBI's results of operations. The fluctuation of foreign exchange rate affects the value of these monetary assets and liabilities denominated in U.S. dollars. Generally, an appreciation of the Canadian dollar against the U.S. dollar results in a foreign exchange loss for monetary assets denominated in U.S. dollars, and a foreign exchange gain for monetary liabilities denominated in U.S. dollars. On the contrary, a devaluation of the Canadian dollar against the U.S. dollar results in a foreign exchange gain for monetary assets denominated in U.S. dollars and a foreign exchange loss for monetary liabilities denominated in U.S. dollars. MBI has not entered into any hedging transactions to reduce its exposure to foreign currency exchange risk. While MBI may decide to enter into hedging transactions in the future, the availability and effectiveness of these hedges may be limited and it may not be able to successfully hedge all or part of its exposure or at all.

MBI's common shares have historically been thinly traded and shareholders may be unable to sell at or near ask prices or at all if they desire to liquidate their shares.

MBI's common shares are currently listed on the TSX Venture Exchange and have historically been "thinly-traded", meaning that the number of persons interested in purchasing its common shares at or near bid prices at any given time may be relatively small. This situation is attributable to a number of factors, including the fact that MBI is currently a pre-revenue-stage company which is relatively unknown to stock analysts, stock brokers, institutional investors and others in the investment community that generate or influence sales volume, and that even if MBI came to the attention of such persons, they tend to be risk-averse and would be reluctant to follow a pre-revenue-stage company such as MBI or purchase or recommend the purchase of MBI's common shares until such time as it generates revenue. As a consequence, there may be periods of several days or more when trading activity in MBI's common shares is minimal, as compared to a seasoned issuer that has a large and steady volume of trading activity that will

generally support continuous sales without an adverse effect on share price. MBI cannot give assurances that a broader or more active public trading market for our common shares will develop or be sustained. As a result, shareholders may be unable to sell their common shares at or above their purchase price if at all, which may result in substantial losses to them.

SHAREHOLDER'S EQUITY AND OUTSTANDING SHARE DATA

The authorized share capital of MBI consists of an unlimited number of common shares. MBI had outstanding common shares, stock options, and warrants (exercise prices, which are in Canadian dollars, have been converted to U.S. dollars at the December 31, 2019 rate of U.S. \$1.00 = C\$1.30).

On December 19, 2017, the Company effected a previously approved one-for-ten consolidation of all its issued and outstanding common shares. All share and per-share data presented in the Company's consolidated financial statements and notes have been retrospectively restated to reflect the share consolidation unless otherwise noted. The exercise price and number of common shares issuable pursuant to all outstanding stock options and warrants have been adjusted in accordance with the consolidation ratio.

On June 12, 2019, the Company completed a non-brokered private placement for 4,500,000 units ("Units") at CAD\$0.05 per Unit for gross cash proceeds of \$169,135 (CAD\$225,000). Each Unit consists of one common share and one transferrable common share purchase warrant. Each warrant will entitle the holder to purchase an additional share at a price of CAD\$0.05 for a five-year term. The Company incurred share issuance costs of \$4,903 (CAD\$6,523).

As at the date of this report, the Company had the following outstanding:

- 13,257,838 common shares
- Stock options:

Number of options	Exercisable	Exercise price	Expiry date
375,000	375,000	CAD \$0.50	November 19, 2025
775,000	775,000	CAD \$0.50	January 3, 2027
100,000	100,000	CAD \$0.50	February 17, 2027
1,250,000	1,250,000		

- Warrants:

Number of warrants	Exercisable	Exercise price	Expiry date
100,000	100,000	CAD \$0.65	November 19, 2025
4,500,000	4,500,000	CAD \$0.05	June 12, 2024
4,600,000	4,600,000		

OFF-BALANCE SHEET ARRANGEMENTS

The Company has no off-balance sheet arrangements.

PROPOSED TRANSACTIONS

There are no proposed transactions that have not been disclosed herein.

CRITICAL ACCOUNTING ESTIMATES

The preparation of the consolidated financial statements in conformity with IFRS requires management to

make estimates, judgments and assumptions that affect the application of accounting policies and the reported amounts of assets, liabilities, income and expenses. Actual results may differ from these estimates.

Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimates are revised and in any future periods affected.

(i) Critical accounting estimates

Critical accounting estimates are estimates and assumptions made by management that may result in a material adjustment to the carrying amount of assets and liabilities within the next financial year and are, but are not limited to, the following:

Share-based payments

The fair value of stock options issued are subject to the limitation of the Black-Scholes option pricing model that incorporates market data and involves uncertainty in estimates used by management in the assumptions. Because the Black-Scholes option pricing model requires the input of highly subjective assumptions, including the volatility of share prices, changes in subjective input assumptions can materially affect the fair value estimate.

(ii) Critical accounting judgments

Information about critical judgments in applying accounting policies that have the most significant effect on the amounts recognized in the consolidated financial statements are, but are not limited to, the following:

Determination of functional currency

In accordance with IAS 21 *The Effects of Changes in Foreign Exchange Rates*, management determined that the functional currency of the Company and its subsidiary is the Canadian dollar.

Going concern

The assessment of the Company's ability to continue as a going concern involves judgment regarding future funding available for its business activities and working capital requirements. Management has made the determination that the Company will continue as a going concern for at least the next fiscal year.

CONTINGENCIES

There are no contingent liabilities.

MANAGEMENT'S RESPONSIBILITY FOR FINANCIAL STATEMENTS

The information provided in this report, including the consolidated financial statements, is the responsibility of management. In the preparation of these statements, estimates are sometimes necessary to make a determination of future values for certain assets or liabilities. Management believes such estimates have been based on careful judgments and have been properly reflected in the consolidated financial statements.

OTHER MD&A REQUIREMENTS

Additional disclosure of the Company's technical reports, material change reports, news releases and other information can be obtained on SEDAR at www.sedar.com.

DIRECTORS AND OFFICERS

Dr. Iain Weir-Jones, *Chief Executive Officer, Chairman of the Board*

Ibrahim Ghobrial, *Chief Financial Officer, Corporate Secretary*

Dr. Terence W. Friedlander, M.D., *Director*

Toby Weir-Jones, *Director*

David Diebolt, *Director*

Shumsheer Sidhu, *Director*