

Sunshine Biopharma Inc.

(NASDAQ: SBFM)



Forward-Looking Statements

To the extent that statements in this presentation are not strictly historical, including statements as to revenue projections, future estimates, plans, programs, forecasts, objectives, assumptions, expectations, marketing and sales plans, anticipated revenues, projected market size, beliefs of future performance, business strategy, outlook, future milestones, intentions, goals, future financial conditions, future agreements, the success of the Company's development, events conditioned on stockholder or other approval, or otherwise as to future events, such statements are “forward-looking” and are made pursuant applicable securities laws.

The “forward-looking statements” contained in this presentation are subject to certain risks and uncertainties that could cause actual results to differ materially from the statements made.

Sunshine Biopharma Inc. does not intend, and does not assume any obligation, to update these “forward-looking statements” except as required by law. These “forward-looking statements” involve risks and uncertainties relating to, among other things, results of and sale activities, uninsured risks, regulatory changes, availability of production facilities, timeliness of government approvals and the granting of permits and licenses, changes in prices, actual operating and financial performance of facilities, equipment and processes relative to specifications and expectations. Actual results may differ materially from those expressed or implied by such “forward-looking statements.”



What We Do

Sunshine Biopharma is focused on the research, development and commercialization of **Oncology** and **Antiviral** drugs.

Additional activity of **Science Based Nutritional Supplements**



R&D Pipeline

Drug Candidate

Adva-27a
SBFM-PL4

Indication

Pancreatic Cancer
COVID-19

Time to Phase I

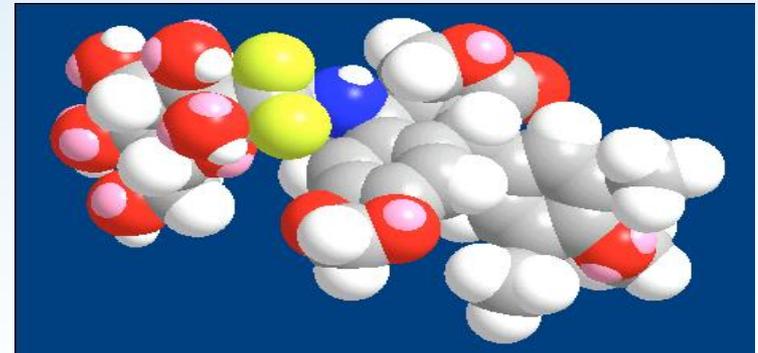
9-18Months
9-18 Months

Market Size

>> \$1 Billion
Multi Billion

Oncology Drug Development

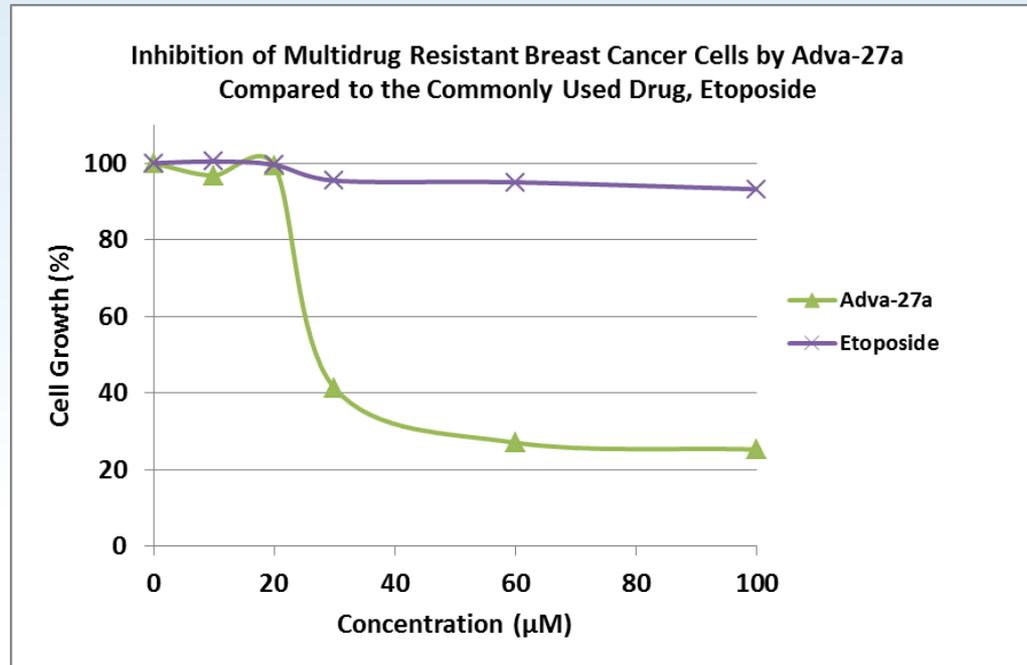
- ❑ In the area of Oncology, we are developing a chemotherapy small molecule called **Adva-27a**
- ❑ **Adva-27a** has the uncommon property of being effective against **Multidrug Resistant** cancer cells
- ❑ All **Patents** pertaining to **Adva-27a** are owned by the Company
- ❑ **Patent** coverage until **2034**



Multidrug Resistance

- ❑ **Multidrug Resistance** represents a **major challenge** in cancer therapy
- ❑ Cancers can be **Multidrug Resistant** upon diagnosis (e.g. **pancreatic cancer**) or **become Multidrug Resistant** over time
- ❑ **Multidrug Resistant cancers do not respond** to chemotherapy drugs in common use
- ❑ At present, there are **little or no treatment** options available for **Multidrug Resistant** cancer

Adva-27a Kills Multidrug Resistant Cancer Cells



Adva-27a Kills Multidrug Resistant Breast Cancer Cells, Pancreatic Cancer Cells, Small-Cell Lung Cancer Cells, and Uterine Sarcoma Cells

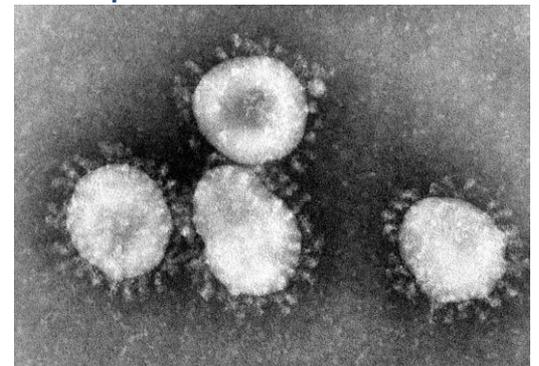
Summary of Adva-27a Preclinical Results

We have recently completed and published our preclinical studies. Adva-27a was found to have unique pharmaceutical properties. Our results have shown that:

- Adva-27a is effective at killing different types of multidrug resistant cancers, including:
 - Pancreatic Cancer (Panc-1)
 - Breast Cancer Cells (MCF-7/MDR)
 - Small-Cell Lung Cancer Cells (H69AR)
 - Uterine Cancer (MES-SA/Dx5)
- Adva-27a is unaffected by the molecular machinery that make cancer cells resistant
- Adva-27a has excellent clearance time (half-life = 54 minutes)
- Adva-27a clearance is independent of Cytochrome P450 (i.e. no toxic intermediates)
- Adva-27a is an excellent inhibitor of Topoisomerase II (IC50 of only 1.44 micromolar)
- Adva-27a does not inhibit Tubulin assembly
- Adva-27a has shown excellent pharmacokinetics profile in rats

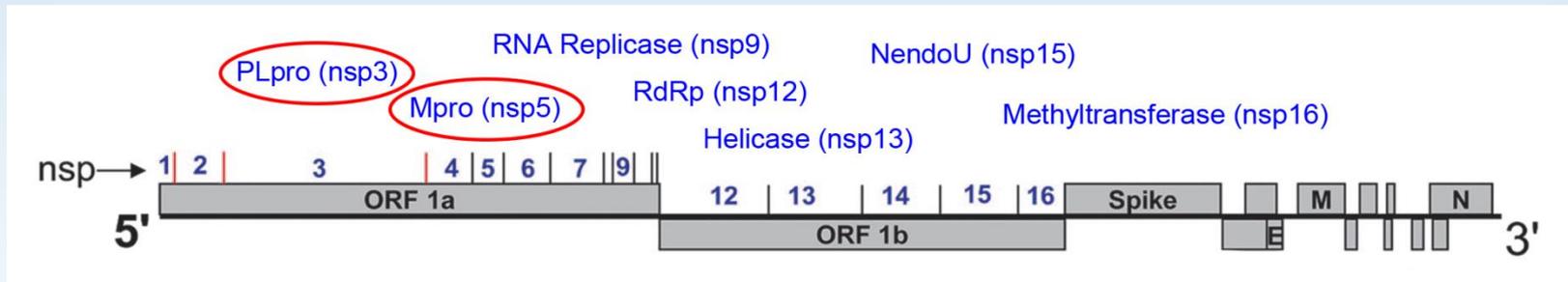
Antiviral Drug Development

- ❑ In the area of Antivirals, we are focused on the development of a **treatment for COVID-19**
- ❑ We have been working on this project since April 2020
- ❑ In the meantime, three vaccines (Pfizer's, Moderna's, and Johnson & Johnson's), two antibody treatments (Regeneron's, and Eli Lilly's), one injectable (Gilead's Remdesivir), and two pills (Pfizer's Paxlovid, and Merck's Molnupiravir) emerged
- ❑ Our treatment, **SBFM-PL4**, targets a completely different part of the virus and as such represents an important additional tool that could help end the pandemic



Electron micrograph of Coronavirus,
Adapted from Wikipedia.org

Our SBFM-PL4 Targets a Different Part of The Virus



Adapted and modified from *PNAS* **103**: 5717–5722 (2006)

- ❑ Our **SBFM-PL4** is **nsp3 protease inhibitor**, currently being developed in collaboration with the **University of Georgia**
- ❑ **nsp3** is the protease responsible for suppression of the human immune system, leading to more serious morbidity
- ❑ **Patent coverage until 2040**

Science Based Nutritional Supplements

- ❑ **Essential 9™** is our first product in this space
- ❑ **Essential 9™** is a tablet that contains the 9 Amino Acids that the human body cannot make. These are called Essential Amino Acids
- ❑ **Deficiency** in one or more of the 9 Essential Amino Acids can lead to loss of muscle mass, fatigue, weight gain, weakened immune system, and reduced general wellness
- ❑ **Essential 9™** is authorized by Health Canada under **NPN 80089663**
- ❑ The Company currently sells **Essential 9™** through **Amazon** in the US, Canada, and Singapore. Also available in pharmacies in Montreal (Canada)
- ❑ During the nine months ended September 30, 2021, we generated revenues of \$143,308
- ❑ Large-scale marketing in planning



Upcoming Milestones

Adva-27a Drug Development Program:

- GMP Manufacturing (5 Kilograms)
- IND-Enabling Studies
- Filing of IND Application (“Fast-Track” anticipated)
- Phase I Clinical Trials (Pancreatic Cancer, Jewish General Hospital)

Antiviral Program:

- Efficacy Studies in Coronavirus Infected Mice
- GMP Manufacturing (5 Kilograms)
- Filing of IND Application (“Fast-Track” anticipated)
- Phase I Clinical Trials (University of Georgia Affiliate Hospital)

Supplements:

- Large-Scale Marketing
- Expansion beyond US and Canada

Current Capitalization

Outstanding Shares	4,477,973
Outstanding Warrants	3,764,706
Outstanding Options	None
Outstanding Debt	None



Management Team

Steve N. Slilaty, Ph.D.

Molecular Biologist

Univ. of Arizona

CEO

Sunshine Biopharma is the third in a line of biotechnology companies that Dr. Slilaty founded and managed. The first, Quantum Biotechnologies Inc. later known as Qbiogene Inc., was founded in 1991 and is now a member of a family of companies owned by MP Biomedicals, one of the largest international suppliers of biotechnology reagents and other research products. The second company which Dr. Slilaty founded, Genomics One Corporation, conducted an initial public offering of its capital stock in 1999 and, on the basis of its ownership of Dr. Slilaty's patented TrueBlue Technology, Genomics One became one of the key participants in the Human Genome Project and reached a market capitalization of \$1 billion in 2000

Abderrazzak Merzouki, Ph.D.

Virologist

IAF of Quebec

COO

Dr. Merzouki is a molecular biologist and an immunologist. He has performed several preclinical studies involving the use of adenoviral vectors for cancer therapy and plasmid vectors for the treatment of peripheral arterial occlusions. He developed technologies for production of biogeneric therapeutic proteins for the treatment of various diseases including cancer, diabetes, hepatitis and multiple sclerosis.

Camille Sebaaly

Engineering

SUNY Buffalo

CFO

Camille Sebaaly has held senior executive positions in various areas including financial management, business development, project management and finance. As an executive and an entrepreneur, he combines expertise in strategic planning and finance with strong skills in business development and deal structure and negotiations. In addition, Mr. Sebaaly worked in operations, general management, investor relations, marketing and business development with emphasis on international business and marketing of advanced technologies including hydrogen generation and energy saving.

Rabi Kiderchah, MD

Physician

Univ. of Montreal

Medical Advisor

Dr. Kiderchah's medical and scientific knowledge and experience qualify him to serve on our board of directors.

David Natan

Economist

University of Boston

Chairman of Audit Committee

David Natan has served as Executive, Director and Chief Financial Officers for many public and private companies in a variety of industries. Mr. Natan's experience as a business executive and as a director of public companies qualify him to serve on our board of directors.

Andrew M. Keller, MD

Physician

Ohio State University

Director

Dr. Keller's medical and scientific knowledge and experience qualify him to serve on our board of directors.



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(OTC Markets: SBFM)

Thank You for Your Attention!

www.SunshineBiopharma.com

