

Real-time, point-of-care testing  

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at the tip of your tongue



**CORPORATE PRESENTATION**  
**January 2022**



# LEGAL

## FORWARD LOOKING STATEMENTS

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All information included in this presentation is based on continuing operations, unless otherwise noted.

# Investment Highlights

GBS Inc. is on a mission to put the power of non-invasive, real-time diagnostic testing in the hands of patients and their primary health practitioners at point-of-care.



Pioneering diagnostic platform adaptable to large unmet markets with multiple applications and indications



Point-of-care tests for layman and professional use, giving actionable, real-time results



## Lead Products:

- 1) **Saliva Glucose** test is intended to make finger pricking and other forms of glucose monitoring obsolete
- 2) **Saliva SARS-CoV-2 Antibody** test provides real-time quantitative results to SARS-CoV-2 (COVID-19) virus



Identified 130+ additional test indications around biochemistry, immunology, tumor markers and endocrinology



Experienced Management and Advisory Board members with deep industry expertise

# Highly Qualified & Experienced Leadership Team



**Dr. Steven Boyages**  
**M.D., MB, BS, Ph.D.**

Interim  
Chief Executive Officer  
Chairman of the Board

Dr. Boyages is a practicing clinician in endocrinology with 30+ years' experience in medicine, including multiple executive positions.



**Spiro Sakiris**

Chief  
Financial Officer

Mr. Sakiris has 32 years' experience in accounting, taxation, IPOs, capital raising, and business system designs, including the application of IFRS and US GAAP for the life science industry.



**Prof. Paul Dastoor**

Inventor,  
Scientific Advisory Board

Prof. of Physics in the School of Mathematical & Physical Sciences and the Director of the Priority Research Centre for Organic Electronics at the University of Newcastle in Australia.



**Prof. Jonathan Sessler**

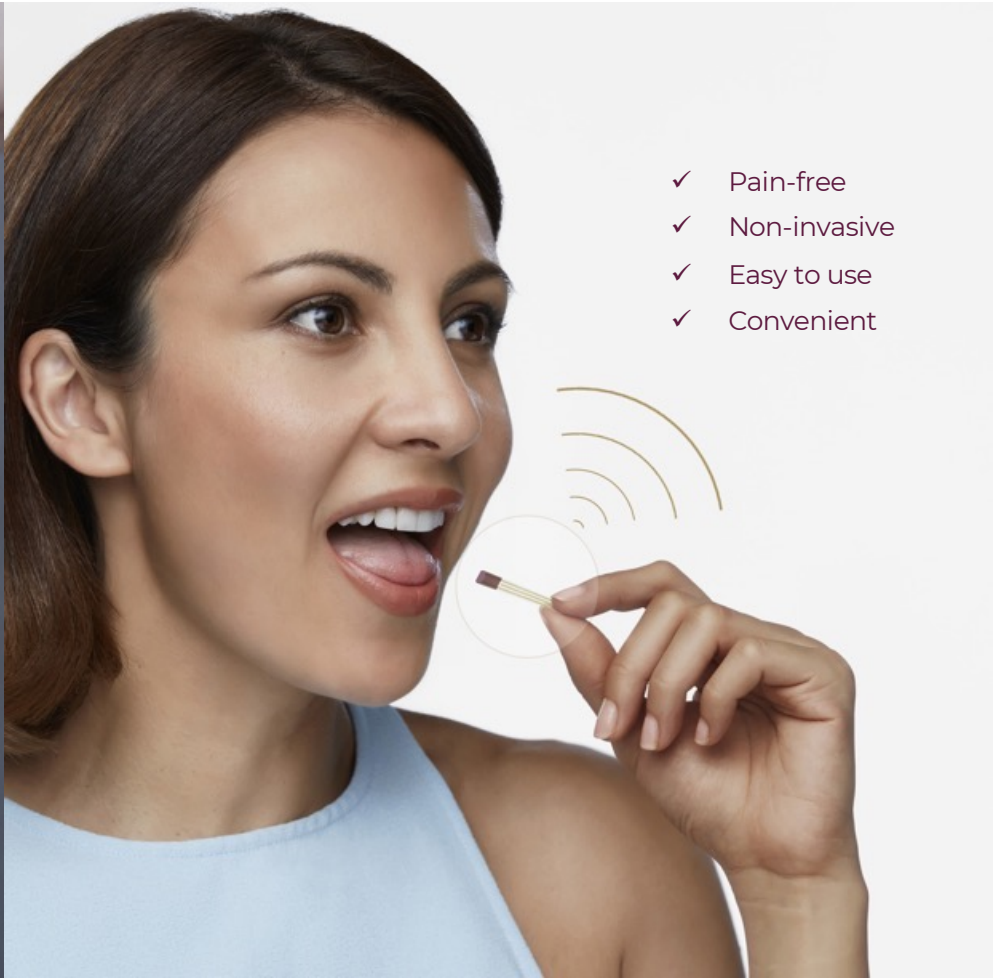
Board of  
Directors

Prof. Sessler is well known for his ground-breaking work on expanded porphyrins and their applications to biology and medicine.





Our Saliva Glucose Biosensor technology will make finger pricking obsolete.



- ✓ Pain-free
- ✓ Non-invasive
- ✓ Easy to use
- ✓ Convenient

# Large & Growing Total Global Addressable Market

## Market Facts and Figures<sup>1</sup>



The total number of people with diabetes is predicted to rise to **643 million** (1 in 9 adults) by 2030 and **784 million** (1 in 8 adults) by 2045.



**4 in 5** people with diabetes (81%) live in low income and middle-income countries.



Diabetes caused **6.7 million** deaths in 2021 – 1 every 5 seconds.



An estimated **44%** of adults living with diabetes (**240 million** people) are undiagnosed. Almost **90%** of these people live in low income and middle-income countries.



**537 million** adults (20-79 years) are living with diabetes worldwide – 1 in 10.



Diabetes was responsible for an estimated USD **966 billion** in global health expenditure in 2021. This represents a **316%** increase over the last 15 years.



**541 million** adults worldwide, or **1 in 10**, have impaired glucose tolerance, placing them at high risk of developing type 2 diabetes.



**68%** of adults with diabetes live in the 10 countries with the highest number of people with diabetes.

# GBS Inc. Will Benefit From Sales and Distribution

The Company will financially benefit from sales and synergy of development of the Biosensor Platform in multiple regions.



**Global:** The SARS-CoV-2 Antibody Biosensor test.

**Asia Pacific:** The Saliva Glucose Biosensor.



GBS, Inc. owns a 50% interest in BioSensX N.A.

## North American (US & CAN):

Saliva Glucose Biosensor and all additional Dx tests in development

- Diabetes is the 7<sup>th</sup> leading cause of death in the United States
- Medical costs and lost work/wages for people with diagnosed diabetes total \$327 billion yearly in the US

\*2021 Diabetes Fast Facts-Centers for Disease Control & Prevention

## Asia Pacific Region Market Opportunity

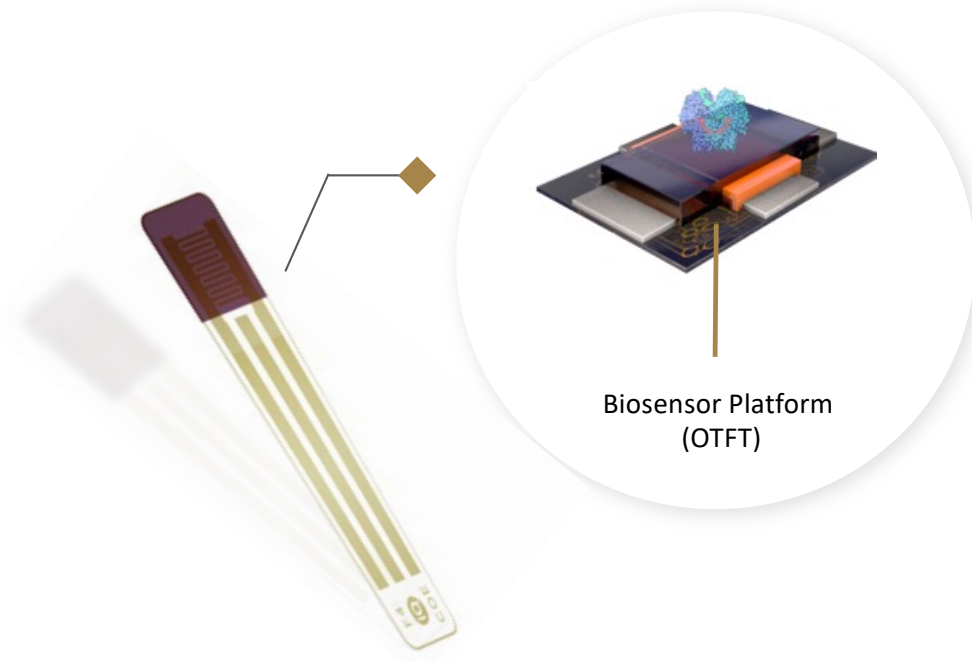
### Highlights

- 1 in 8 adults have diabetes – 206 million.
- The Western Pacific Region accounts for over a third (38%) of the total number of adults living with diabetes.
- China accounts for 1 in 4 of all adults living with diabetes in the world.
- Over half (53%) of adults living with diabetes are undiagnosed.
- Diabetes is responsible for 2.3 million deaths in 2021 – the highest number of all IDF Regions.
- Diabetes-related expenditure in 2021 totals USD241 billion – 25% of global expenditure.
- 1 in 7 live births are affected by hyperglycemia in pregnancy.

International Diabetes Federation Atlas 10<sup>th</sup> edition –Global Fact Sheet 2021

# Our Technology: The Biosensor Platform

The Biosensor is a platform technology that can be modified to create multiple real-time, non-invasive diagnostic tests.



A small, printable organic strip, the Biosensor Platform is designed to put the power of accurate, timely diagnosis in the hands of patients and their primary health practitioners.

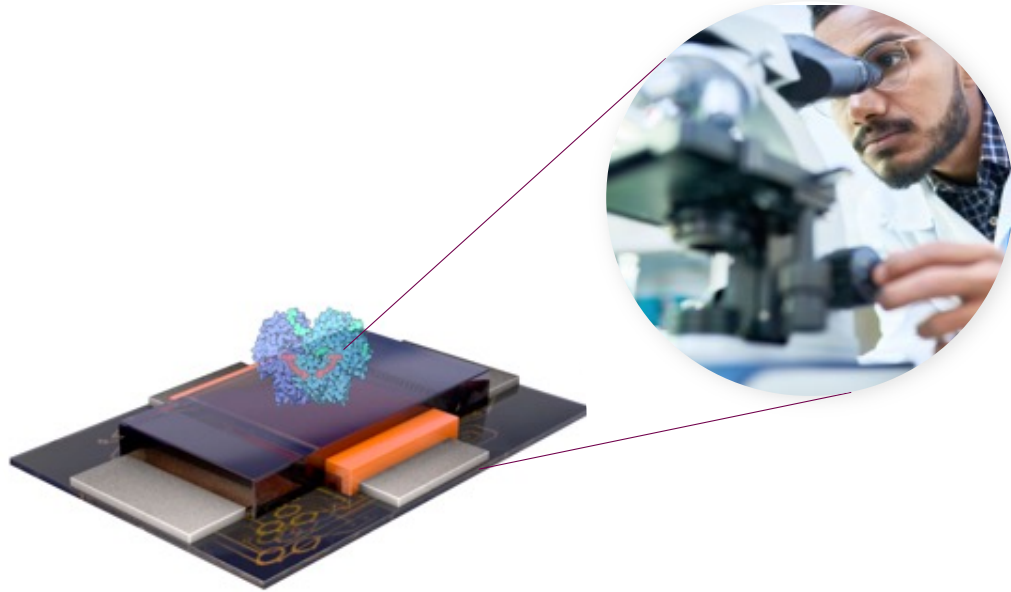
**The core architecture of the Biosensor is patented Organic Thin Film Transistor (OTFT) technology,** which can be printed at scale, at a low cost.

**Currently have identified a pipeline of up to 130 indications,** ranging from glucose for diabetes management, to immunological conditions and communicable diseases.



# The Saliva Glucose Biosensor is a Precise and Accurate Solution for Measuring Glucose in Saliva

Organic Thin Film Transistor (OTFT) Technology.



The Biosensor exhibits a linear glucose response at concentrations **100 times more sensitive than commercial blood glucose sensors<sup>1</sup>**.

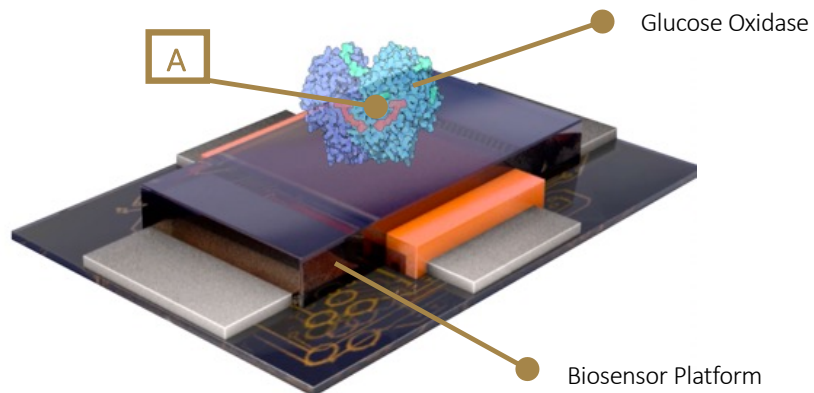
This groundbreaking innovation enables the detection of glucose concentrations in ranges physiologically relevant in saliva.

# The Biosensor can be Modified to Create Multiple Diagnostic Tests

The top layer of the Biosensor is easily modified to detect a range of analytes.

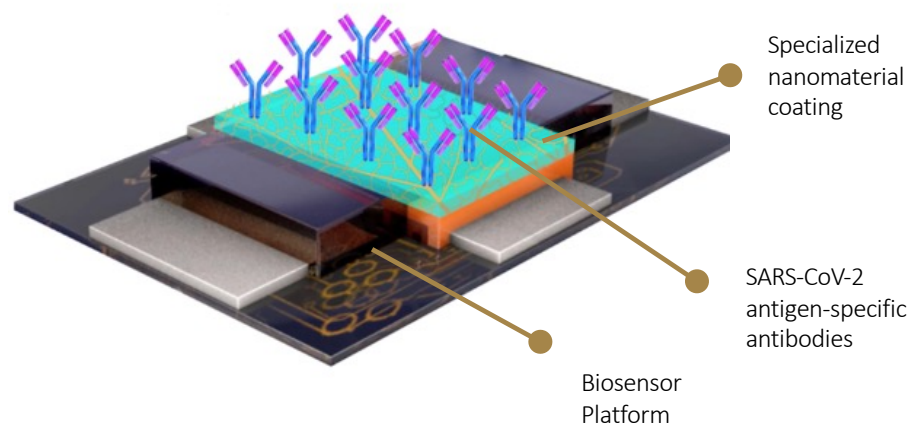
## Saliva Glucose Biosensor

To monitor glucose levels in saliva in people living with diabetes.



## SARS-CoV-2 Antibody Test

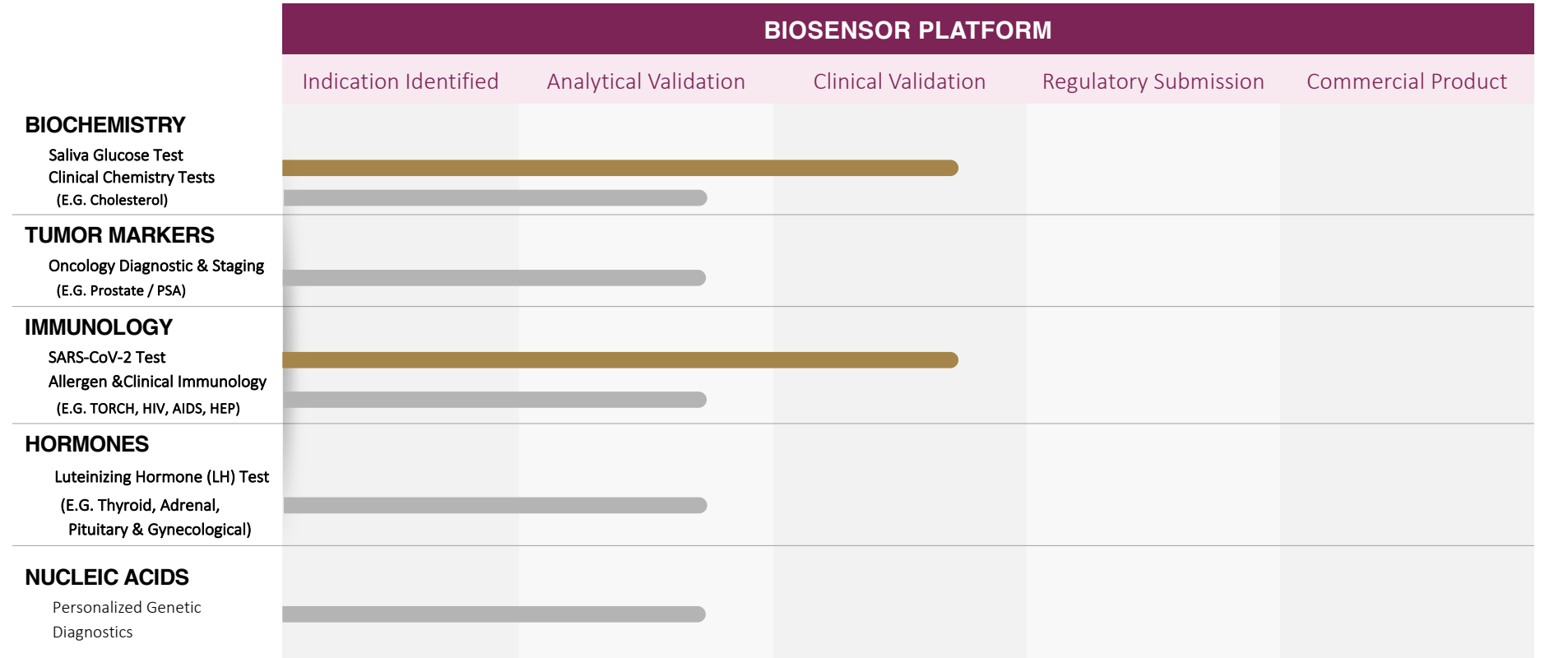
To monitor exposure, infection and immunity for COVID-19.



A: By substituting the detection element (region A) of the Biosensor depending on the analyte to be detected, the Biosensor can be modified to monitor a wide range of saliva-based diagnostic analytes (e.g. Glucose Oxidase for monitoring glucose in saliva, SARS-CoV-2 antigen-specific antibodies to monitor exposure, infection and immunity for COVID-19). The core OTFT sensing element and mode of action of the platform remains the same.

# Biosensor Platform Pipeline Addressable Markets

The Biosensor can be modified to create over 130 real-time, non-invasive diagnostic tests



With our world-first Biosensor Platform technology, GBS Inc. will complete the development, and if successful in its regulatory approval, it will launch two urgently needed non-invasive, real-time diagnostic tests.



1

The Saliva Glucose Biosensor, the first non-invasive replacement for finger-prick blood testing for people with diabetes.

Development partners



2

The SARS-CoV-2 Antibody Biosensor, to test exposure, infection and immunity in the fight against COVID-19.

Development partners



# As Easy to Use as Placing a Stick of Gum on Your Tongue

The Biosensor detects the analyte (e.g. glucose or viral antigen/antibody) in saliva and emits a signal to an individual's smart device, activating the app to display an individual's analyte reading.



1

Place the Saliva Glucose Biosensor in contact with saliva.



2

With the Biosensor nearby, the digital app will display glucose levels, flagging any results that need attention.



3




The app provides real-time data and sends data to the electronic medical record or caregiver, as assigned by the user.

# GBS, Inc. Recent and Upcoming Expected Milestones



# IP Overview

Our licensed Biosensor technology is patent protected through to 2033.

Official Number	Status	Jurisdiction
9,766,199	Granted	United States 
ZL201380022888.2	Granted	China 
AU2016/050555	Filed	Australia 

The patent portfolio is being globally expanded as the technology candidates necessitate patent protection throughout product development.

# Financial Snapshot

<b>Headquarters</b> New York City	<b>Sector / Industry</b> Healthcare Medical devices	<b>Ticker / Exchange</b> GBS / NASDAQ-GM	<b>IPO Date</b> December 23, 2020
<b>IPO Size</b> \$21,600,000	<b>Common Stock Issued</b> 14,882,522	<b>Warrants Issued</b> 7,263,363 (\$8.50-\$17.00)	



# Financial Highlights

GBS Inc. continues to be fiscally responsible and leverage multiple tools and strategies to extend its cash runway through sublicenses and collaborations which have provided a diverse set of financing opportunities to the Company.

## Financials as of September 30, 2021



Cash, cash equivalents & marketable securities totaled approximately \$12.6M

GBS expects based on the current operating plan and financial resources, its cash, cash equivalents and marketable securities at September 30, 2021, will be sufficient to cover expenses and capital requirements into the first half of 2023.

## Recognition from the Australian Federal Government



Awarded \$4.7M (USD) grant from the Australian Federal Government to fund the buildout of a high-tech biosensor manufacturing facility solely for GBS's manufacturing and development

- ✓ Identified by the AU Government as one of only six National Manufacturing Priorities under its Modern Manufacturing Strategy

# Recent Corporate Achievements

Building off a year development and positioning



## Additional Recent Developments

- ✓ FDA pre-submission for Saliva Glucose Biosensor
- ✓ FDA Breakthrough application filed for Saliva Glucose Biosensor
- ✓ Clinical validation study conducted at the Wyss Institute for Biologically Inspired Engineering at Harvard University. The objective of this study was to develop an electrochemical assay to detect SARS-CoV-2 IgG in human plasma

The statistical design was powered in accordance with this study objective. Preliminary findings were:

- ❖ The SARS-CoV-2 Antibody biosensor assay was 100% sensitive and 100% specific using positive and negative SARS CoV-2 human plasma samples
- ❖ The time in obtaining results was less than 10 minutes

# Upcoming Milestones for CY 2022



## Calendar Year 2022 Milestones:

- ✓ Complete clinical salivary collection and clinical trial protocols with Johns Hopkins Bloomberg School of Public Health
- ✓ Secure strategic sublicensing partnership for sales and distribution in the Asia Pacific Region
- ✓ Identify manufacturing facility site location
- ✓ Execute the proposed three step clinical plan
  1. Generation of prospective data, the initial objective is to explore the relationship between salivary glucose and plasma glucose as well as the time course between the two sample types
  2. Development of the algorithm between plasma and salivary glucose
  3. Confirmation of the algorithm and data generation for regulatory submission



On a mission to put the power of non-invasive, real-time diagnostic testing in the hands of patients and their primary health practitioners at point-of-care.

Thank you

