

**TEMASEK LIFE SCIENCES LABORATORY LIMITED  
AND ITS SUBSIDIARY**

(Company Limited by Guarantee without a Share Capital)

*(Incorporated in Singapore. Registration Number: 200201200K)*

**ANNUAL REPORT**

*For the financial year ended 31 March 2021*

**TEMASEK LIFE SCIENCES LABORATORY LIMITED  
AND ITS SUBSIDIARY**

(Company Limited by Guarantee without a Share Capital)  
(Incorporated in Singapore)

**ANNUAL REPORT**

*For the financial year ended 31 March 2021*

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**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
(Company Limited by Guarantee without a Share Capital)

**CORPORATE INFORMATION**

*For the financial year ended 31 March 2021*

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**CORPORATE INFORMATION**

Temasek Life Sciences Laboratory Limited (“TLL” or the “Company”) was incorporated as a public company limited by guarantee on 18 February 2002. On 12 May 2015, the Company was registered as a charity under the Charities Act and was granted Institution of a Public Character (“IPC”) status under the Charities Act for a period of 2 years with effect from 29 June 2015. The IPC status was renewed for a period of 3 years from 29 June 2017, and a further 2.5 years from 29 June 2020.

**Registered Address**

456 Alexandra Road  
#14-01/02 Fragrance Empire Building  
Singapore 119962

**Executive Committee (EXCO)**

<b>Name</b>	<b>Designation</b>	<b>Date of Appointment</b>
Mr Teo Ming Kian	EXCO Chairman	20 September 2012
* Prof Chua Nam Hai	EXCO Member	20 September 2012
Mr Tan Suan Swee	EXCO Member	20 September 2012
Mr Peter Chia Leong Bin	EXCO Member	1 August 2017

**Audit and Risk Management Committee (ARMC)**

<b>Name</b>	<b>Designation</b>	<b>Date of Appointment</b>
Mr Chua Phuay Hee	ARMC Chairman	1 November 2012
Prof Tam Ping Kwan, Jimmy	ARMC Member	1 November 2012
Mrs Lee Ai Ming (Long Ai Ming)	ARMC Member	1 February 2020

**Research Strategy Committee (RSC)**

<b>Name</b>	<b>Designation</b>	<b>Date of Appointment</b>
* Prof Chua Nam Hai	RSC Chairman	28 August 2013
Prof Yu Hao	RSC Member	1 January 2015
Mr Peter Chia Leong Bin	RSC Member	1 August 2017

**Management**

<b>Name</b>	<b>Designation</b>	<b>Date of Appointment</b>
Mr Peter Chia Leong Bin	Chief Executive Officer	1 August 2017

\* Prof Chua Nam Hai resigned with effect from 31 March 2021

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**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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**CORPORATE INFORMATION**

*For the financial year ended 31 March 2021*

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**Auditors**

PricewaterhouseCoopers LLP  
7 Straits View, Marina One  
East Tower, Level 12  
Singapore 018936

**Bankers**

DBS Bank Ltd  
12 Marina Boulevard, Level 44-03  
Marina Bay Financial Centre Tower 3  
Singapore 018892

United Overseas Bank Limited  
80 Raffles Place  
UOB Plaza 1, #11-00  
Singapore 048624

**Principal activities and objects**

The principal activities of Temasek Life Sciences Laboratory Limited (the "Company") are to promote, undertake and commercialise innovative research, and to provide education at the postgraduate level in life sciences and biotechnology.

The principal activities of Temasek Life Sciences Ventures Private Limited (the "Subsidiary") are those of an investment holding company and research and development on life sciences.

The objectives of the Group are as follows:

- (i) To promote and undertake innovative research in science and technology, in particular, molecular agrobiology or participate in schemes calculated to promote research in science and technology, in particular, molecular agrobiology to provide publications, seminars, conferences, training for the said purposes, and to maintain an institution for such purposes;
- (ii) To provide education at the postgraduate level in science and technology, particular, in the area of agrobiology; and
- (iii) To aid and assist in any manner and to any extent, the application of the whole or any part of the assets for the time being of the Company, to any institution whose object or objects are similar or comparable with the objects of this Company, including but not limited to research institutes, educational institutions, libraries and other such organisations.

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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*For the financial year ended 31 March 2021*

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**Review of activities during the financial year**

Staffing

As at 31 March 2021, there are 238 (2020: 221<sup>1</sup>) permanent and contract staff, employed by the Group.

Activities

*Building up Singapore's research capabilities*

(i) TLL PhD Training Program

The TLL PhD program provides opportunities for aspiring young scientists to be trained full time in TLL laboratories under the supervision of TLL faculty. TLL PhD graduates are often able to find placements at top international postdoctoral fellowship programs and/or embark on careers in the life sciences industry. TLL also contributes to the Singaporean academic ecosystem by coordinating 4 in-house PhD modules which are accredited by the National University of Singapore ("NUS"). TLL faculty as well as many well-known local and overseas guest lecturers jointly conduct these lectures that are open to all postgraduate students from NUS, Nanyang Technological University ("NTU") and TLL.

(ii) Internship programs

Despite intermittent stoppages due to COVID-19 Circuit Breaker as well as phased reopening of Singapore, TLL continued to push ahead with one of its regular internship programs<sup>2</sup> and supported the SGUnited Traineeships (SGUT) Programme<sup>3</sup>. Due to safe management measures which required careful spacing out of the internships, the total number of interns for the financial year ended 31 March 2021 was 38.

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<sup>1</sup> Refers to full time administrative and research staff

<sup>2</sup> The Research Internship @ TLL (RIT) was launched to provide students with opportunities to apply knowledge acquired in the classroom to real-life research laboratories. This year, the Research Attachment Program (REAP), jointly organized by the Ministry of Education (MOE) and TLL, was postponed. This program is specially designed for biology and chemistry students in the first year of junior college, and fifth year of schools offering the Integrated Program (IP). REAP aims to provide students with hands-on training in a research environment, stimulate their interests in life sciences and encourage them to choose a career in life sciences in the future.

<sup>3</sup> The SGUT Programme is a Workforce Singapore (WSG) initiative to support Singapore Citizens and Permanent Residents who have recently graduated or will soon be graduating from Institutes of Technical Education (ITE), polytechnics, universities or other private educational institutions in 2019 to 2021, to take up traineeship opportunities across various sectors. The programme enables the graduates to develop industry-relevant skills, notwithstanding the current economic climate, thereby boosting their employability in preparation for the eventual economic recovery. In support of the SGUT Programme, an overwhelming number of research groups and departments joined hands to offer a meaningful traineeship experiences, and groom high-quality recruits as future employees of TLL. In the financial year ended 31 March 2021, 13 fresh graduates were matched and trained in anticipation of TLL's research and operational needs upon the economic recovery.

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**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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**CORPORATE INFORMATION**

*For the financial year ended 31 March 2021*

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**Review of activities during the financial year** (continued)

*Contribution to the sciences*

(iv) Scientific Publications

Since inception, TLL has contributed 1,200 scientific papers in international peer reviewed journals.

(v) Application of Patents

Since inception, TLL has made more than 100 discoveries, of which about half have been licensed. In 2020, TLL scientists have made 7 new inventions in fields such as bio-pesticides, medical algorithms and precision urban agriculture.

(vi) Temasek External Monthly Seminar (TEMS)

TEMS is a series of external seminars where eminent scientists and luminaries in the world are invited to give seminars in TLL with the aim of scientific and intellectual exchange among the scientific communities in Singapore and globally.

*Intellectual Property (IP) creation and exploitation for the benefit of Singapore and the world*

(vii) Building capabilities in key areas of aquaculture

(a) Farming elite sea bass

Allegro Aqua, a TLL spin-off, was acquired by Barramundi Group, one of the world's largest integrated Asian sea bass farming companies, in 2020. Allegro Aqua was set up to commercialize an elite strain of barramundi fish which are faster growing, disease resistant and has high Omega-3 fat content, for supply to local and international fish farms.

(b) Urban Recirculating Aquaculture System (RAS)

TLL has been developing a scalable urban RAS for fish farming. The urban RAS is expected to enable sustainable cultivation of fish under controlled conditions thereby eliminating environmental factors such as toxic algae blooms and sea pollution. TLL scientists are also developing microbial processes, nutrient recycling processes and disinfection methods to complement this urban RAS solution. As part of the next phase of development, these technologies will be spun off as separate commercial entity.

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**

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**CORPORATE INFORMATION**

*For the financial year ended 31 March 2021*

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**Review of activities during the financial year (continued)****(vii) Building capabilities in key areas of aquaculture (continued)****(c) Aquafeed research**

TLL scientists, in collaboration with other institutions, are developing a platform to convert food waste into microbial protein which can then be used for aqua-feed production in a sustainable and cost-effective manner.

**(d) Disease detection in aquaculture**

TLL scientists are developing a platform that will enable early detection of disease in aquaculture enterprises. The platform will be built on DNA-based assays, integrated with environmental parameters, to measure the level of pathogens or parasites in fish farms. As the aquaculture sector continues to expand apace, such a platform will allow fish farmers to better manage disease risks and minimize the risk of economic loss.

**(viii) Building capabilities in precision agriculture and urban farming****(a) Disruptive, Sustainable Technologies for Agricultural Precision (DiSTAP)**

DiSTAP brings together Massachusetts Institute of Technology MIT's expertise in nanosensor development, optical sensor fabrication, microbial engineering and biosynthesis with the TLL's expertise in plant engineering and gene discovery, NTU's expertise in polymer synthesis, and NUS's expertise in protein engineering and microbial engineering.

**(b) High Performance Precision Agriculture (HiPPA) System**

In collaboration with Singapore's Agency for Science, Technology and Research (A\*STAR) and NUS, TLL is developing capabilities that will enable full automation of farm operations for high-throughput and comprehensive plants-to-agronomics screening platform to maximize crop production. These capabilities would include robotic manipulation of growing plants and the feedback environmental control with crop diagnosis systems. The use of robotics, optical sensors and artificial intelligence (AI) will present a feasible means towards a sustainable food-production system with minimum human workforce.

**(c) Optimization of Lighting Recipes for Sustainable and High-Quality Vegetable Production**

In support of efforts to increase local production of leafy vegetables through vertical farming and hydroponics cultivation, TLL scientists are developing guidelines for light quality and quantity to facilitate optimal growth of leafy vegetables with high nutritional values.

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**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**

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**CORPORATE INFORMATION**

*For the financial year ended 31 March 2021*

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**Review of activities during the financial year (continued)**

(ix) Bio-based platforms for mosquito vector control

TLL scientists have been developing alternative bio-pesticides for use as mosquito repellents. These plant-derived natural compounds are expected to be safer and more effective than commercially available chemical or synthetic pesticides in the market today. As the technology has significant commercial potential, TLL is exploring spinning it off as separate commercial entity.

(x) Singapore's Synthetic Biology R&D Programme

TLL is the Implementation Agency for National Research Foundation (NRF)'s Synthetic Biology R&D Program. There are currently 9 projects under this Program, hosted by NUS and NTU. The Program will advance Singapore's synthetic biology research agenda and capabilities, including the translation of research outcomes for clinical and industrial use. Synthetic biology, or the engineering of microbial systems for the enhanced production of natural products, has the potential to replace current methods of chemical synthesis and extraction from natural products, which are highly laborious, expensive, and often produce low yields.

(xi) Promoting sustainability and preserving native bio-diversity in Singapore

TLL is collaborating with Singapore National Parks Board (NParks) and Temasek Foundation to conserve and propagate endangered native tree species in Singapore. These plants will be propagated in large quantities using tissue culture and reintroduced into their natural habitats in the Bukit Timah Reserve, in support of the NParks' OneMillionTrees movement.

(xii) Rapid response to and research capabilities for infectious zoonotic diseases

(a) With its strong capabilities in emerging infectious zoonotic diseases, bio-risk management and BSL-3 facilities, TLL is leading the development of needed capabilities for fast and reliable diagnosis and treatment of pathogenic or infectious diseases such as COVID-19.

(b) During the year, TLL completed the construction of a Current Good Manufacturing Practice (cGMP) facility which is currently being used by a Singapore-based clinical-stage biotechnology company for the development of its monoclonal antibody-based therapeutics for infectious diseases including COVID-19.

(c) Pathnova, a TLL spin-off company, focuses on using machine intelligence for early detection and diagnosis of diseases, particularly cancer. During the year, Pathnova acquired a COVID-19 testing lab in NTU's Lee Kong Chian Medical School to fill a gap in diagnostic capabilities in Singapore.

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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**CORPORATE INFORMATION**

*For the financial year ended 31 March 2021*

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**Corporate Governance**

Prof Tam Ping Kwan Jimmy, Mr Tan Suan Swee and Prof Soo Khee Chee have each served on the Board for more than 10 consecutive years. They have provided and continue to provide invaluable support and counsel to the management of the Company. While succession planning remains a high priority for the Board, it would be extremely difficult to find replacements of equal stature, experience and commitment. In addition, Prof Tam and Mr Tan are nominees from members of the Company.

The number of board held during the financial year, as well as the attendance of each Board member, are disclosed in the table below:

	Board Meetings
Mr Teo Ming Kian	3
Prof Chua Nam Hai (resigned on 31 March 2021)	3
Mr Peter Chia Leong Bin	3
Mr Chua Phuay Hee	3
Prof Tam Ping Kwan Jimmy	3
Mr Richard Chu Dee	3
Prof Soo Khee Chee	3
Mr Tan Suan Swee	3
Prof Yu Hao	3
Mrs Lee Ai Ming (Long Ai Ming)	3
No. of Meetings Held	3

Conflict of Interest Policy

TLL's Conflict of Interest Policy is aimed at protecting the Company's interests and intellectual properties ("IP"). Conflict of interest may generally arise in reviewing grants or papers on topics in which the principal investigator ("PI") has an active interest, or from a person with whom the PI has a close personal relationship. Conflict of interest may also arise in interactions with companies with regards to TLL's IP. Hence, the policy mandates that each employee of TLL declares to TLL management any possible conflict of interest.

Whistle Blowing Policy

TLL is committed to maintain a high standard of moral and ethical conduct. In line with this commitment, the Whistle Blowing Policy aims to provide an avenue for employees to raise concerns and receive feedback about action taken as well as assurance that they will be protected from possible reprisals or victimisation for whistle blowing in good faith.

## **TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**

(Company Limited by Guarantee without a Share Capital)

### **DIRECTORS' STATEMENT**

*For the financial year ended 31 March 2021*

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The directors present their statement to the members together with the audited consolidated financial statements of the Group, and the balance sheet and statement of changes in equity of the Company for the financial year ended 31 March 2021.

In the opinion of the directors,

- (a) the balance sheet and the statement of changes in equity of the Company and the consolidated financial statements of the Group as set out on pages 14 to 60 are drawn up so as to give a true and fair view of the consolidated financial position of the Group and the financial position of the Company as at 31 March 2021, the consolidated financial performance, consolidated changes in equity and consolidated cash flows of the Group and the changes in equity of the Company for the financial year ended on that date; and
- (b) at the date of this statement, there are reasonable grounds to believe that the Company will be able to pay its debts as and when they fall due.

### **Directors**

The directors of the Company in office at the date of this statement are as follows:

Mr Teo Ming Kian  
Mr Peter Chia Leong Bin  
Mr Chua Phuay Hee  
Prof Tam Ping Kwan Jimmy  
Mr Richard Chu Dee  
Prof Soo Khee Chee  
Mr Tan Suan Swee  
Prof Yu Hao  
Mrs Lee Ai Ming (Long Ai Ming)

### **Arrangements to enable directors to acquire shares or debentures**

Neither at the end of, nor at any time during the financial year, was the Company a party to any arrangement whose objects are, or one of whose objects is, to enable the directors of the Company to acquire benefits by means of the acquisition of shares in, or debentures of, any other body corporate.

### **Directors' interests in shares or debentures**

The Company is limited by guarantee and has no share capital, debentures, shares options or unissued shares. According to the register of directors' shareholdings kept by the Company for the purposes of Section 164 of the Singapore Companies Act, Chapter 50, none of the directors holding office at the end of the financial year had any interest in the shares or debentures in the Company or its related corporations.

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**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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**DIRECTORS' STATEMENT**

*For the financial year ended 31 March 2021*

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**Independent auditor**

The independent auditor, PricewaterhouseCoopers LLP, has expressed its willingness to accept reappointment.

On behalf of the directors

*Chua Phuay Hee*

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Mr Chua Phuay Hee  
Director

*J Tam*

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Prof Tam Ping Kwan Jimmy  
Director

7 September 2021

**INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF  
TEMASEK LIFE SCIENCES LABORATORY LIMITED**  
(Company Limited by Guarantee without a Share Capital)

**Report on the Audit of the Financial Statements**

**Our opinion**

In our opinion, the accompanying consolidated financial statements of Temasek Life Sciences Laboratory Limited (the "Company") and its subsidiary (the "Group") and the balance sheet and statement of changes in equity of the Company are properly drawn up in accordance with the provisions of the Singapore Companies Act, Chapter 50 ("the Act") and Financial Reporting Standards in Singapore ("FRSs") so as to give a true and fair view of the consolidated financial position of the Group and the financial position of the Company as at 31 March 2021, the consolidated financial performance, consolidated changes in equity and consolidated cash flows of the Group and the changes in equity of the Company for the financial year ended on that date.

*What we have audited*

The financial statements of the Group and the Company, comprise:

- the consolidated statement of comprehensive income of the Group for the year ended 31 March 2021;
- the balance sheet of the Group as at 31 March 2021;
- the balance sheet of the Company as at 31 March 2021;
- the consolidated statement of changes in equity of the Group for the year then ended;
- the statement of changes in equity of the Company for the year then ended;
- the consolidated statement of cash flows of the Group for the year then ended; and
- the notes to the financial statements, including a summary of significant accounting policies.

**Basis for Opinion**

We conducted our audit in accordance with Singapore Standards on Auditing ("SSAs"). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report.

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

*Independence*

We are independent of the Group in accordance with the Accounting and Corporate Regulatory Authority Code of Professional Conduct and Ethics for Public Accountants and Accounting Entities ("ACRA Code") together with the ethical requirements that are relevant to our audit of the financial statements in Singapore, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the ACRA Code.

## **INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF TEMASEK LIFE SCIENCES LABORATORY LIMITED (continued)**

### **Other Information**

Management is responsible for the other information. The other information comprises the Corporate Information and Directors' Statement but does not include the financial statements and our auditor's report thereon.

Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the financial statements, our responsibility is to read the other information identified above and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

### **Responsibilities of Management and Directors for the Financial Statements**

Management is responsible for the preparation of financial statements that give a true and fair view in accordance with the provisions of the Act and FRSs, and for devising and maintaining a system of internal accounting controls sufficient to provide a reasonable assurance that assets are safeguarded against loss from unauthorised use or disposition; and transactions are properly authorised and that they are recorded as necessary to permit the preparation of true and fair financial statements and to maintain accountability of assets.

In preparing the financial statements, management is responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Group or to cease operations, or has no realistic alternative but to do so.

The Directors' responsibilities include overseeing the Group's financial reporting process.

### **Auditor's Responsibilities for the Audit of the Financial Statements**

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SSAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

## **INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF TEMASEK LIFE SCIENCES LABORATORY LIMITED (continued)**

### **Auditor's Responsibilities for the Audit of the Financial Statements (continued)**

As part of an audit in accordance with SSAs, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Group's to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision and performance of the group audit. We remain solely responsible for our audit opinion.

We communicate with the Directors regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

**INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF  
TEMASEK LIFE SCIENCES LABORATORY LIMITED (continued)**

**Report on Other Legal and Regulatory Requirements**

In our opinion, the accounting and other records required by the Act to be kept by the Company and by the subsidiary corporation incorporated in Singapore of which we are the auditors have been properly kept in accordance with the provisions of the Act.

During the course of our audit, nothing has come to our attention that causes us to believe that during the year:

- a. The use of the donation moneys was not in accordance with the objectives of the Company as required under regulation 11 of the Charities (Institutions of a Public Character) Regulations; and
- b. The Company has not complied with the requirements of regulation 15 (Fund-raising expenses) of the Charities (Institutions of a Public Character) Regulations.

*PricewaterhouseCoopers LLP*

PricewaterhouseCoopers LLP  
Public Accountants and Chartered Accountants  
Singapore, 7 September 2021

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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**CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME**

*For the financial year ended 31 March 2021*

	Notes	2021 \$	2020 \$
Donations received	4	<b>26,981,997</b>	26,561,320
Revenue	4	<b>1,308,906</b>	1,739,412
Other income	4	<b>1,799,790</b>	3,101,733
		<b>30,090,693</b>	31,402,465
Other (losses) – net	5	<b>(2,998,409)</b>	(830)
Expenses			
- Employee compensation	6	<b>(16,207,822)</b>	(20,299,147)
- Depreciation	12	<b>(2,405,474)</b>	(2,100,442)
- Consumables		<b>(2,753,513)</b>	(2,957,560)
- Utilities		<b>(1,784,492)</b>	(1,895,173)
- Rental premises		<b>(3,250)</b>	(4,416)
- Office expenses		<b>(466,316)</b>	(516,915)
- Repair and maintenance		<b>(1,596,924)</b>	(1,366,109)
- Subscriptions and publications		<b>(145,533)</b>	(236,326)
- Speakers, conferences and official trips		<b>(36,722)</b>	(300,250)
- Legal and professional fees		<b>(2,495,423)</b>	(2,340,568)
- Goods and services tax		<b>(575,917)</b>	(792,355)
- Other staff costs		<b>(1,280,042)</b>	(998,609)
- Other		<b>(374,663)</b>	(461,956)
Total expenses		<b>(30,126,091)</b>	(34,269,826)
Share of losses of associate and joint ventures- net	14,15	<b>(2,506,485)</b>	(2,704,482)
Deficit before grants		<b>(5,540,292)</b>	(5,572,673)
Grants:			
- Operating grants	18(a)	<b>5,836,834</b>	5,222,405
- Deferred capital grants amortised	21	<b>855,399</b>	531,417
		<b>6,692,233</b>	5,753,822
Surplus for the year		<b>1,151,941</b>	181,149
<b>Other comprehensive loss</b>			
<i>Item that will not be reclassified subsequently to profit or loss:</i>			
Fair value change of financial assets (FVOCI)	23(b)	<b>1,548,098</b>	4,760,167
<i>Item that may be reclassified subsequently to profit or loss:</i>			
Share of other comprehensive income/ (loss) of joint ventures in relation to currency translation	15	<b>227,007</b>	87,578
		<b>1,775,105</b>	4,847,745
<b>Total comprehensive income, which represents surplus attributable to members of the Company</b>		<b>2,927,046</b>	5,028,894

*The accompanying notes form an integral part of these financial statements.*

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
(Company Limited by Guarantee without a Share Capital)

**BALANCE SHEET - GROUP**

As at 31 March 2021

	Note	2021 \$	2020 \$
<b>ASSETS</b>			
<b>Current assets</b>			
Cash and cash equivalents	8	54,486,614	47,842,729
Trade and other receivables	9	3,008,172	4,057,492
Other current assets	11	871,471	474,273
Financial assets (FVOCI)	16	1,567,097	411,968
Financial assets (FVPL)	17	3,709,717	6,140,793
		<b>63,643,071</b>	<b>58,927,255</b>
<b>Non-current assets</b>			
Financial assets (FVOCI)	16	7,111,046	6,717,656
Investment in joint ventures	15	1,158,631	3,207,701
Investment in an associate	14	1,265,970	1,496,378
Property and equipment	12	10,750,201	10,260,256
Other non-current assets	11	211,832	262,474
		<b>20,497,680</b>	<b>21,944,465</b>
<b>Total assets</b>		<b>84,140,751</b>	<b>80,871,720</b>
<b>LIABILITIES</b>			
<b>Current liabilities</b>			
Trade and other payables	18	9,921,783	6,700,684
Provisions	19	1,785,957	1,929,569
Lease liabilities	20	54,465	63,047
		<b>11,762,205</b>	<b>8,693,300</b>
<b>Non-current liabilities</b>			
Other payables	18	183,753	3,680,603
Provisions	19	1,382,178	1,677,340
Lease liabilities	20	-	48,414
Deferred capital grants	21	2,299,816	1,186,310
		<b>3,865,747</b>	<b>6,592,667</b>
<b>Total liabilities</b>		<b>15,627,952</b>	<b>15,285,967</b>
<b>NET ASSETS</b>		<b>68,512,799</b>	<b>65,585,753</b>
<b>EQUITY</b>			
Accumulated deficit		(72,866,069)	(73,934,310)
Capital reserve	24	95,400,000	95,400,000
Other reserves	23	(621,132)	(2,479,937)
Other equity instrument	22	46,600,000	46,600,000
<b>Total equity</b>		<b>68,512,799</b>	<b>65,585,753</b>

The accompanying notes form an integral part of these financial statements.

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
(Company Limited by Guarantee without a Share Capital)

**BALANCE SHEET - COMPANY**

As at 31 March 2021

	Note	2021 \$	2020 \$
<b>ASSETS</b>			
<b>Current assets</b>			
Cash and cash equivalents	8	53,882,646	47,271,911
Trade and other receivables	9	3,008,172	4,057,492
Other current assets	11	871,471	474,273
Financial assets (FVPL)	17	3,709,717	6,140,793
		<b>61,472,006</b>	<b>57,944,469</b>
<b>Non-current assets</b>			
Financial assets (FVOCI)	16	7,111,046	6,717,656
Investment in joint ventures	15	1,082,547	855,791
Investment in an associate	14	1,265,970	1,496,378
Loan to a subsidiary	10	1,500,000	1,500,000
Investment in a subsidiary	13	735,448	257,767
Property and equipment	12	10,750,201	10,260,256
Other non-current assets	11	211,832	262,474
		<b>22,657,044</b>	<b>21,350,322</b>
<b>Total assets</b>		<b>84,129,050</b>	<b>79,294,791</b>
<b>LIABILITIES</b>			
<b>Current liabilities</b>			
Trade and other payables	18	9,910,077	6,687,805
Provisions	19	1,785,957	1,929,569
Lease liabilities	20	54,465	63,047
		<b>11,750,499</b>	<b>8,680,421</b>
<b>Non-current liabilities</b>			
Other payables	18	183,753	3,680,603
Provisions	19	1,382,178	1,677,340
Lease liabilities	20	-	48,414
Deferred capital grants	21	2,299,816	1,186,310
		<b>3,865,747</b>	<b>6,592,667</b>
<b>Total liabilities</b>		<b>15,616,246</b>	<b>15,273,088</b>
<b>NET ASSETS</b>		<b>68,512,804</b>	<b>64,021,703</b>
<b>EQUITY</b>			
Accumulated deficit		(72,685,558)	(76,836,191)
Capital reserve	24	95,400,000	95,400,000
Other reserves	23	(801,638)	(1,142,106)
Other equity instrument	22	46,600,000	46,600,000
<b>Total equity</b>		<b>68,512,804</b>	<b>64,021,703</b>

The accompanying notes form an integral part of these financial statements.

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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**CONSOLIDATED STATEMENT OF CHANGES IN EQUITY**

*For the financial year ended 31 March 2021*

Group	Note	Attributable to members of the Company				Total equity \$
		Accumulated deficit \$	Capital reserve \$	Other reserves \$	Other equity instrument \$	
<b>2021</b>						
<b>Beginning of financial year</b>		(73,934,310)	95,400,000	(2,479,937)	46,600,000	65,585,753
Surplus for the year		1,151,941	-	-	-	1,151,941
Other comprehensive income for the year		-	-	1,775,105	-	1,775,105
Total comprehensive income		1,151,941	-	1,775,105	-	2,927,046
Disposal of investment in Financial Assets (FVOCI)	16	(83,700)	-	83,700	-	-
<b>End of financial year</b>		<b>(72,866,069)</b>	<b>95,400,000</b>	<b>(621,132)</b>	<b>46,600,000</b>	<b>68,512,799</b>
<b>2020</b>						
<b>Beginning of financial year</b>		(79,562,240)	95,400,000	(1,880,901)	46,600,000	60,556,859
Surplus for the year		181,149	-	-	-	181,149
Other comprehensive income for the year		-	-	4,847,745	-	4,847,745
Total comprehensive income		181,149	-	4,847,745	-	5,028,894
Disposal of investment in Financial Assets (FVOCI)	16	5,446,781	-	(5,446,781)	-	-
<b>End of financial year</b>		<b>(73,934,310)</b>	<b>95,400,000</b>	<b>(2,479,937)</b>	<b>46,600,000</b>	<b>65,585,753</b>

*The accompanying notes form an integral part of these financial statements.*

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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**STATEMENT OF CHANGES IN EQUITY**  
*For the financial year ended 31 March 2021*

	Note	Attributable to members of the Company				Total equity \$
		Accumulated deficit \$	Capital reserve \$	Other reserves \$	Other equity instrument \$	
<b>Company</b>						
<b>2021</b>						
<b>Beginning of financial year</b>		(76,836,191)	95,400,000	(1,142,106)	46,600,000	64,021,703
Surplus for the year		4,150,633	-	-	-	4,150,633
Other comprehensive income for the year		-	-	340,468	-	340,468
Total comprehensive income		4,150,633	-	340,468	-	4,491,101
Disposal of investment in Financial Assets (FVOCI)	16	-	-	-	-	-
<b>End of financial year</b>		<b>(72,685,558)</b>	<b>95,400,000</b>	<b>(801,638)</b>	<b>46,600,000</b>	<b>68,512,804</b>
<b>2020</b>						
<b>Beginning of financial year</b>		(82,578,246)	95,400,000	(1,147,731)	46,600,000	58,274,023
Surplus for the year		295,274	-	-	-	295,274
Other comprehensive income for the year		-	-	5,452,406	-	5,452,406
Total comprehensive income		295,274	-	5,452,406	-	5,747,680
Disposal of investment in Financial Assets (FVOCI)	16	5,446,781	-	(5,446,781)	-	-
<b>End of financial year</b>		<b>(76,836,191)</b>	<b>95,400,000</b>	<b>(1,142,106)</b>	<b>46,600,000</b>	<b>64,021,703</b>

*The accompanying notes form an integral part of these financial statements.*

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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**CONSOLIDATED STATEMENT OF CASH FLOWS**

*For the financial year ended 31 March 2021*

	Notes	2021 \$	2020 \$
<b>Cash flows from operating activities</b>			
Surplus		1,151,941	181,149
Adjustments for:			
- Depreciation		2,405,474	2,100,442
- Impairment loss on financial assets (FVPL)		2,774,728	-
- Gain on sales of property and equipment		(11,215)	-
- Interest expense		2,370	3,911
- Interest income		(219,156)	(780,635)
- Dividend Income		-	(612,000)
- Share of loss of joint ventures and associate		2,506,485	2,704,482
- Government grants and grants from institutions		(5,836,834)	(5,222,407)
- Amortisation of deferred capital grants		(855,399)	(531,417)
- Rent concession		(10,880)	
		<u>1,907,514</u>	<u>(2,156,475)</u>
Changes in working capital, net of effects from acquisition of a subsidiary			
- Trade and other receivables		728,950	685,889
- Other current assets		(397,198)	(142,732)
- Other non-current assets		50,642	(52,922)
- Trade and other payables		(194,246)	(735,813)
- Provisions		(438,771)	2,247,335
- Grants received		7,280,776	6,807,378
<b>Net cash provided by operating activities</b>		<u>8,937,667</u>	<u>6,652,660</u>
<b>Cash flows from investing activities</b>			
Purchases of property and equipment		(2,884,744)	(4,398,962)
Proceeds from disposal of property and equipment		11,215	-
Purchase of an associate		-	(1,600,000)
Purchase of financial assets (FVTPL)		(343,652)	
Purchase of financial assets (FVOCI)		(52,922)	(158,766)
Proceeds from disposal of financial assets (FVOCI)		52,500	1,655,988
Dividends received		612,000	-
Interest received		370,982	690,133
<b>Net cash used in investing activities</b>		<u>(2,234,621)</u>	<u>(3,811,607)</u>
<b>Cash flows from financing activities</b>			
Repayments of lease liabilities		(56,791)	(61,369)
Interest paid		(2,370)	(3,911)
<b>Net cash used in financing activities</b>		<u>(59,161)</u>	<u>(65,280)</u>
<b>Net increase in cash and cash equivalents</b>		<b>6,643,885</b>	<b>2,775,773</b>
Cash and cash equivalents at beginning of financial year		<u>47,842,729</u>	<u>45,066,956</u>
<b>Cash and cash equivalents at end of financial year</b>	8	<u>54,486,614</u>	<u>47,842,729</u>

*The accompanying notes form an integral part of these financial statements.*

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
(Company Limited by Guarantee without a Share Capital)

**CONSOLIDATED STATEMENT OF CASH FLOWS**

*For the financial year ended 31 March 2021*

Reconciliation of liabilities arising from financing activities:

		Non-cash changes				
	1 April 2020 S\$	Principal and interest payments S\$	Addition during the year S\$	Rent concession S\$	Interest expense S\$	31 March 2021 S\$
Lease liabilities (Note 20)	<b>(111,461)</b>	<b>59,161</b>	<b>(10,675)</b>	<b>10,880</b>	<b>(2,370)</b>	<b>(54,465)</b>

		Non-cash changes			
	1 April 2019 S\$	Principal and interest payments S\$	Adoption of FRS 116 S\$	Interest expense S\$	31 March 2020 S\$
Lease liabilities (Note 20)	-	65,280	(172,830)	(3,911)	(111,461)

## **TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**

(Company Limited by Guarantee without a Share Capital)

### **NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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These notes form an integral part of and should be read in conjunction with the accompanying financial statements.

#### **1. General information**

Temasek Life Sciences Laboratory Limited (the "Company") is incorporated and domiciled in Singapore as a public company limited by guarantee without a share capital. The address of its registered office is 456 Alexandra Road, #14-01/02 Fragrance Empire Building, Singapore 119962.

The address of its principal place of business is 1 Research Link, National University of Singapore, Singapore 117604.

Under clause 9 of the Constitution of the Company, each of the members of the Company undertakes to contribute a sum not exceeding \$10 to the assets of the Company in the event of it being wound up. The members are Temasek Life Sciences Private Limited ("TLS"), National University of Singapore ("NUS") and Nanyang Technological University ("NTU").

The principal activities of the Company are to promote, undertake and commercialise innovative research, and to provide education at the postgraduate level in life sciences and biotechnology.

The principal activities of Temasek Life Sciences Ventures Private Limited (the "Subsidiary") are those of an investment holding company and research and development on life sciences.

#### **2. Significant accounting policies**

##### **2.1 Basis of preparation**

The financial statements have been prepared in accordance with Singapore Financial Reporting Standards ("FRS") under the historical cost convention, except as disclosed in the accounting policies below.

The preparation of these financial statements in conformity with FRS requires management to exercise its judgement in the process of applying the Group's accounting policies. It also requires the use of certain critical accounting estimates and assumptions. The areas involving a higher degree of judgement or complexity, or areas where estimates and assumptions are significant to the financial statements are disclosed in Note 3.

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**  
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**NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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**2. Significant accounting policies** (continued)

2.1 Basis of preparation (continued)

***Interpretations and amendments to published standards effective in 2020***

On 1 April 2020, the Group adopted the new or amended FRS and Interpretations to FRS ("INT FRS") that are mandatory for application from that date. Changes to the Group's accounting policies have been made as required, in accordance with the transitional provisions in the respective FRS and INT FRS.

The adoption of these new or amended FRS and INT FRS did not result in substantial changes to the accounting policies of the Group and had no material effect on the amounts reported for the current or prior financial years.

***Early adoption of amendment to FRS 116 Leases***

The Group has elected to early adopt the amendments to SFRS(I) 16 which introduced a practical expedient for a lessee to elect not to assess whether a rent concession is a lease modification, if all the following conditions are met:

- (a) the change in lease payments results in revised consideration for the lease that is substantially the same as, or less than, the consideration for the lease immediately preceding the change;
- (b) any reduction in lease payments affects only payments originally due on or before 30 June 2021; and
- (c) there is no substantive change to other terms and conditions of the lease.

The Group has elected to apply this practical expedient to its' Leasehold Land (Note 20).

2.2 Revenue recognition

Donations and license fee income is recognised at a point in time. Research services and service income are recognised over time.

Other donations are recognised as income over the periods necessary to match them with related costs which they are intended to compensate, on a systematic basis.

Dividend income is recognised when the right to receive payment is established, it is probable that the economic benefits associated with the dividend will flow to the Group, and the amount of the dividend can be reliably measured.

**TEMASEK LIFE SCIENCES LABORATORY LIMITED AND ITS SUBSIDIARY**

(Company Limited by Guarantee without a Share Capital)

**NOTES TO THE FINANCIAL STATEMENTS***For the financial year ended 31 March 2021*

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**2. Significant accounting policies (continued)****2.3 Grants**

Grants from government and institutions are recognised as a receivable at their fair values when there is reasonable assurance that the grant will be received and the Group will comply with all attached conditions.

Grants are recognised as income over the periods necessary to match them with related costs or the period of economic uncertainty which they are intended to compensate, on a systematic basis. Government grants and grants from institutions relating to expenses are shown separately on the statement of comprehensive income.

Grants received but not utilised are included in the unutilised grants account and are classified as current liabilities.

Grants for the purchase of depreciable assets are taken to the deferred capital grants account upon utilisation of the grants. Deferred capital grants are recognised in profit or loss over the periods necessary to match the depreciation of the assets financed by the related grants. On disposal of the plant and equipment, the balance of the related grants is recognised in profit or loss to match the net book value of the plant and equipment disposed.

**2.4 Group accounting***Subsidiaries***(i) Consolidation**

Subsidiaries are all entities (including structured entities) over which the Group has control. The Group controls an entity when the Group is exposed to, or has rights to, variable returns from its involvement with the entity and has the ability to affect those returns through its power over the entity. Subsidiaries are fully consolidated from the date on which control is transferred to the Group. They are deconsolidated from the date on that control ceases.

In preparing the consolidated financial statements, transactions, balances and unrealised gains on transactions between group entities are eliminated. Unrealised losses are also eliminated unless the transaction provides evidence of an impairment indicator of the transferred asset. Accounting policies of subsidiaries have been changed where necessary to ensure consistency with the policies adopted by the Group

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**NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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**2. Significant accounting policies** (continued)

2.4 Group accounting (continued)

*Subsidiaries* (continued)

(ii) Acquisitions

The acquisition method of accounting is used to account for business combinations entered into by the Group.

The consideration transferred for the acquisition of a subsidiary or business comprises the fair value of the assets transferred, the liabilities incurred and the equity interests issued by the Group. The consideration transferred also includes any contingent consideration arrangement and any pre-existing equity interest in the subsidiary measured at their fair values at the acquisition date.

Acquisition-related costs are expensed as incurred.

Identifiable assets acquired and liabilities and contingent liabilities assumed in a business combination are, with limited exceptions, measured initially at their fair values at the acquisition date.

On an acquisition-by-acquisition basis, the Group recognises any non-controlling interest in the acquiree at the date of acquisition either at fair value or at the non-controlling interest's proportionate share of the acquiree's identifiable net assets.

The excess of (a) the consideration transferred, the amount of any non-controlling interest in the acquiree and the acquisition-date fair value of any previous equity interest in the acquiree over the (b) fair value of the identifiable net assets acquired is recorded as goodwill. Please refer to the paragraph "Intangible assets – Goodwill" for the subsequent accounting policy on goodwill.

If those amounts are less than the fair value of the identifiable net assets of the subsidiary acquired and the measurement of all amounts has been reviewed, the difference is recognised directly in profit or loss as a gain from bargain purchase.

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**NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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**2. Significant accounting policies (continued)**

**2.5 Investment in a subsidiary**

Investment in a subsidiary is carried at cost less accumulated impairment losses in the Company's balance sheet. On disposal of such investments, the difference between disposal proceeds and the carrying amounts of the investments are recognised in profit or loss.

**2.6 Accounting for associates and joint ventures**

Associates are entities over which the Group and Company has significant influence, but not control, generally accompanied by a shareholding giving rise to voting rights of 20% and above.

Joint ventures are entities over which the Group and Company has joint control as a result of contractual arrangements, and rights to the net assets of the entity.

Investments in associates and joint ventures are accounted for in the consolidated financial statements and financial statements of the Company using the equity method of accounting less impairment losses, if any.

*(i) Acquisition*

Investments in associates and joint ventures are initially recognised at cost. The cost of an acquisition is measured at the fair value of the assets given, equity instruments issued or liabilities incurred or assumed at the date of exchange, plus costs directly attributable to the acquisition. Goodwill on associates and joint ventures represents the excess of the cost of acquisition of the associates or joint venture over the Group and Company's share of the fair value of the identifiable net assets of the associates company or joint venture and is included in the carrying amount of the investments.

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**NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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**2. Significant accounting policies** (continued)

2.6 Accounting for associates and joint ventures (continued)

*(ii) Equity method of accounting*

Under the equity method of accounting, the investment is initially recognised at cost and adjusted thereafter to recognise the Group and Company's share of its associates' or joint ventures' post-acquisition profits and losses of the investee in profit and loss and its share of movements in other comprehensive income of the investee's other comprehensive income. Dividends received or receivable from the associates or joint ventures are recognised as a reduction of the carrying amount of the investment. When the Group and Company's share of losses in an associates or joint venture equals or exceeds its interest in the associates or joint venture, the Group and Company do not recognise further losses, unless it has obligations to make, or has made, payments on behalf of the associates or joint venture. If the associates or joint venture subsequently reports profits, the Group and Company resume recognising its share of those profits only after its share of the profits equals the share of losses not recognised.

Unrealised gains on transactions between the Group and its associates or joint ventures are eliminated to the extent of the Group's interest in the associates or joint ventures. Unrealised losses are also eliminated unless the transaction provides evidence of an impairment of the asset transferred. The accounting policies of associates or joint ventures are changed where necessary to ensure consistency with the accounting policies adopted by the Group.

*(iii) Disposal*

Investments in associates or joint ventures are derecognised when the Group and Company loses significant influence or joint control. If the retained equity interest in the former associates or joint venture is a financial asset, the retained equity interest is measured at fair value. The difference between the carrying amount of the retained interest at the date when significant influence or joint control is lost, and its fair value and any proceeds on partial disposal, is recognised in profit or loss.

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**NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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**2. Significant accounting policies (continued)**

**2.7 Intangible assets**

**Goodwill**

Goodwill on acquisitions of joint ventures represents the excess of the cost of the acquisition over the Group's share of the fair value of the identifiable net assets acquired. Goodwill on joint ventures is included in the carrying amount of the investments.

Gains and losses on the disposal of joint ventures include the carrying amount of goodwill relating to the entity sold.

**2.8 Property and equipment**

Property and equipment are initially recognised at cost less accumulated depreciation and accumulated impairment losses.

Subsequent expenditure relating to property and equipment that has already been recognised is added to the carrying amount of the asset only when it is probable that future economic benefits associated with the item will flow to the Group and the cost of the item can be measured reliably. All other repair and maintenance expenses are recognised in profit or loss when incurred.

Depreciation is calculated using the straight-line method to allocate their depreciable amounts over their estimated useful lives as follows:

	<u>Useful lives</u>
Leasehold building	4 to 9 years
Laboratory equipment	2 to 5 years
Furniture, fittings and office equipment	2 to 5 years
Computer equipment	2 to 3 years
Motor vehicles	5 years
Right-of-use assets	2 to 3 years

Asset under construction is stated at cost and depreciation commences when the asset is completed or ready for use, whichever is earlier.

The residual values, estimated useful lives and depreciation method of property and equipment are reviewed, and adjusted as appropriate, at each balance sheet date. The effects of any revision are recognised in profit or loss when the changes arise.

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**NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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**2. Significant accounting policies (continued)**

**2.9 Impairment of non-financial assets**

Property and equipment, right-of-use assets, investment in joint ventures, investment in associates and investment in a subsidiary are tested for impairment whenever there is any indication that these assets may be impaired.

For the purpose of impairment testing of assets, recoverable amount (i.e. the higher of the fair value less cost to sell and the value-in-use) is determined on an individual asset basis unless the asset does not generate cash flows that are largely independent of those from other assets. If this is the case, the recoverable amount is determined for the cash-generating unit (CGU) to which the asset belongs.

If the recoverable amount of the asset is estimated to be less than its carrying amount, the carrying amount of the asset is reduced to its recoverable amount.

The difference between the carrying amount and recoverable amount is recognised as an impairment loss in profit or loss.

An impairment loss for an asset is reversed if, and only if, there has been a change in the estimates used to determine the asset's recoverable amount since the last impairment loss was recognised. The carrying amount of this asset is increased to its revised recoverable amount, provided that this amount does not exceed the carrying amount that would have been determined (net of any accumulated depreciation) had no impairment loss been recognised for the asset in prior years. A reversal of impairment loss for an asset is recognised in profit or loss.

**2.10 Investments and other financial assets**

*(i) Classification*

The Group classifies its financial assets in the following measurement categories:

- Amortised cost; and
- Fair value through other comprehensive income ("FVOCI"); and
- Fair value through profit or loss (FVPL)

The classification depends on the Group's business model for managing the financial assets and the contractual terms of the cash flows of the financial assets.

The Group reclassifies debt instruments when and one when its business model for managing those assets changes.

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**NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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**2. Significant accounting policies (continued)**

**2.10 Investments and other financial assets (continued)**

*(ii) At initial recognition*

At initial recognition, the Group measures a financial asset at its fair value plus, in the case of a financial asset not at fair value through profit or loss, transaction costs that are directly attributable to the acquisition of the financial asset. Transaction costs of financial assets carried at fair value through profit or loss are expensed in profit or loss.

*(iii) At Subsequent measurement*

1. Debt instrument

Debt instruments mainly comprise of cash and cash equivalents, trade and other receivables, other assets (excluding prepayments) and loan to a subsidiary.

There are three subsequent measurement categories, depending on the Group's business model for managing the asset and the cash flow characteristics of the asset. The Group managed these group of financial assets by collecting the contractual cash flow and these cash flows represents solely payment of principal and interest. Accordingly, these group of financial assets are measured at amortised cost subsequent to initial recognition.

A gain or loss on a debt instrument that is subsequently measured at amortised cost and is not part of a hedging relationship is recognised in profit or loss when the asset is derecognised or impaired. Interest income from these financial assets are recognised using the effective interest rate method.

The Group assesses on forward looking basis the expected credit losses associated with its debt instruments carried at amortised cost.

For trade receivable, the Group applied the simplified approach permitted by the FRS 109, which requires expected lifetime losses to be recognised from initial recognition of the receivables.

For other debt instruments, the general 3 stage approach is applied. Credit loss allowance is based on 12-month expected credit loss if there is no significant increase in credit risk since initial recognition of the assets. If there is a significant increase in credit risk since initial recognition, lifetime expected credit loss will be calculated and recognised.

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**NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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**2. Significant accounting policies** (continued)

2.10 Investments and other financial assets (continued)

(iii) At Subsequent measurement (continued)

2. Equity investments

For equity instruments, the Group subsequently measures all equity instruments at fair value and has elected to present fair value gains and losses in other comprehensive income as these are strategic investments and the Group considered this to be more relevant. Impairment losses (and reversal of impairment losses) on equity investments measured at fair value through comprehensive income are not reported separately from other changes in fair value. Upon disposal of these equity investments, any balance within fair value reserve is reclassified directly to retained profits and not reclassified to profit or loss.

3. Derivative financial investments

Derivative financial investments are subsequently measured at their fair values and classified as FVPL with movements in their fair values recognised in profit or loss in the period in which the changes arise and presented in "other gain/(losses)-net".

2.11 Trade and other payables

Trade and other payables represent liabilities for goods and services provided to the Group prior to the end of financial year which are unpaid. They are classified as current liabilities if payment is due within one year or less (or in the normal operating cycle of the business if longer). Otherwise, they are presented as non-current liabilities.

Trade and other payables are initially recognised at fair values, and subsequently carried at amortised cost using the effective interest method.

2.12 Fair value estimation of financial assets and liabilities

The fair values of current and non-current financial assets and liabilities carried at amortised cost approximate their carrying amounts.

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**NOTES TO THE FINANCIAL STATEMENTS**

*For the financial year ended 31 March 2021*

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**2. Significant accounting policies** (continued)

2.13 Provisions for other liabilities and charges

Provisions for other liabilities and charges are recognised when the Group has a present legal or constructive obligation as a result of past events, it is more likely than not that an outflow of resources will be required to settle the obligation, and the amount can be reliably estimated.

2.14 Income taxes

*Company*

As an approved charity, the Company is exempted from income tax on income and gains under the Income Tax Act, Chapter 134 to the extent that these are applied to its charitable objects.

*Subsidiary*

Current income tax is recognised at the amount expected to be paid to or recovered from the tax authorities, using the tax rates and tax laws that have been enacted or substantively enacted by the balance sheet date.

Deferred income tax is recognised for all temporary differences arising between the tax bases of assets and liabilities and their carrying amounts in the financial statements except when the deferred income tax arises from the initial recognition of an asset or liability that affects neither accounting nor taxable profit or loss at the time of the transaction.

Deferred income tax is measured at the tax rates that are expected to apply when the related deferred income tax asset is realised or the deferred income tax liability is settled, based on tax rates and tax laws that have been enacted or substantively enacted by the balance sheet date.

Current and deferred income taxes are recognised as income or expenses in profit or loss, except to the extent that the tax arises from a transaction which is recognised directly in equity.

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**2. Significant accounting policies** (continued)

**2.15 Employee compensation**

Employee benefits are recognised as an expense, unless the cost qualifies to be capitalised as an asset.

*(i) Defined contribution plans*

Defined contribution plans are post-employment benefit plans under which the Company pays fixed contributions into separate entities such as Central Provident Fund on a mandatory, contractual or voluntary basis. The Company has no further payment obligation once the contribution has been paid.

*(ii) Employee leave entitlement*

Employee entitlements to annual leave are recognised when they accrue to employees. A provision is made for the estimated liability for annual leave as a result of services rendered by employees up to the balance sheet date.

*(iii) Gratuity benefits*

Gratuity benefits payable to certain categories of employees upon the completion of their contracts are provided for in the financial statements based on their entitlement under the staff benefit plan.

*(iv) Value creation incentive scheme*

The Group recognises a liability and an expense for value creation incentive scheme, based on a formula that takes into consideration commercialisation of the Intellectual property rights payable to employees after certain adjustments. The Group recognises a provision when it has created a constructive obligation to pay.

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**2. Significant accounting policies (continued)****2.16 Currency translation***(i) Functional and presentation currency*

Items included in the financial statements of each entity in the Group are measured using the currency of the primary economic environment in which the entity operates ("functional currency"). The financial statements are presented in Singapore Dollars, which is the functional currency of the Company.

*(ii) Transactions and balances*

Transactions in a currency other than the functional currency ("foreign currency") are translated into the functional currency using the exchange rates at the dates of the transactions. Currency exchange differences resulting from the settlement of such transactions and from the translation of monetary assets and liabilities denominated in foreign currencies at the closing rates at the balance sheet date are recognised in profit or loss.

Non-monetary items measured at fair values in foreign currencies are translated using the exchange rates at the date when the fair values are determined. Currency translation differences on these items are included in the other reserve.

*(iii) Translation of Group entities' financial statements*

The functional currency of the Subsidiary is Singapore Dollars, as such, no translation into presentation currency required.

**2.17 Cash and cash equivalents**

For the purpose of presentation in the consolidated statement of cash flow, cash and cash equivalents include cash on hand and deposits with financial institutions which are subject to an insignificant risk of change in value.

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**2. Significant accounting policies** (continued)

2.18 Other equity instrument

Other equity instrument which do not result in the Company having a contractual obligation to deliver cash or another financial asset, or to exchange financial assets or liabilities with the holder under conditions that are potentially unfavourable to the Company, are classified as equity. Distributions arising from such instruments are recognised in equity as there is no contractual obligation to pay distributions on these instruments. Incremental external costs directly attributable to the issuance of such instruments are accounted for as a deduction from equity.

2.19 Leases

When the Group is the lessee

At the inception of the contract, the Group assesses if the contract contains a lease. A contract contains a lease if the contract convey the right to control the use of an identified asset for a period of time in exchange for consideration. Reassessment is only required when the terms and conditions of the contract are changed.

- **Right-of-use assets**

The Group recognised a right-of-use asset and lease liability at the date which the underlying asset is available for use. Right-of-use assets are measured at cost which comprises the initial measurement of lease liabilities adjusted for any lease payments made at or before the commencement date and lease incentive received. Any initial direct costs that would not have been incurred if the lease had not been obtained are added to the carrying amount of the right-of-use assets.

The right-of-use asset is subsequently depreciated using the straight-line method from the commencement date to the earlier of the end of the useful life of the right-of-use asset or the end of the lease term.

Right-of-use assets (except for those which meets the definition of an investment property) are presented within "Plant and equipment".

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**2. Significant accounting policies (continued)**

**2.19 Leases (continued)**

**When the Group is the lessee (continued)**

- **Lease liabilities**

Lease liability is measured at amortised cost using the effective interest method. Lease liability shall be remeasured when:

- There is a change in future lease payments arising from changes in an index or rate;
- There is a change in the Group's assessment of whether it will exercise an extension option; or
- There are modifications in the scope or the consideration of the lease that was not part of the original term.

Lease liability is remeasured with a corresponding adjustment to the right-of-use asset, or is recorded in profit or loss if the carrying amount of the right-of-use asset has been reduced to zero.

- **Low-value leases**

The Group has elected to not recognised right-of-use assets and lease liabilities for leases of low value leases. Lease payments relating to these leases are expensed to profit or loss on a straight-line basis over the lease term.

**2.20 Borrowings**

Borrowings are presented as current liabilities unless the Group has an unconditional right to defer settlement for at least 12 months after the balance sheet date, in which case they are presented as non-current liabilities.

Borrowings are initially recognised at fair values (net of transaction costs) and subsequently carried at amortised cost. Any difference between the proceeds (net of transaction costs) and the redemption value is recognised in profit or loss over the period of the borrowings using the effective interest method.

**2.21 Borrowing costs**

Borrowing costs are recognised in profit or loss using the effective interest method.

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**3. Critical accounting estimates, assumptions and judgements**

Estimates, assumptions and judgements are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances.

*Estimates and assumptions*

(a) Fair value on financial assets (FVOCI) and (FVPL)

As at 31 March 2021, the Group has financial assets (FVOCI) and (FVPL) with a carrying amount of \$7,111,046 (Note 16) and \$3,709,717 (Note 17) respectively that are not traded in an active market. The Group uses the latest available financial information or the latest transaction price of these financial assets to determine the fair value.

If the fair value of the financial assets (FVOCI) increases/decreases by 5%, the Group's other comprehensive income and net assets will increase/decrease by \$355,552.

If the fair value of the financial assets (FVPL) increases/decreases by 5%, the Group's surplus and net assets will increase/decrease by \$185,486.

(b) Provision for amount payable to a third party

Pursuant to a research services contract agreement (the "Agreement") signed with a third party, the Group/ Company is required to share one third of the value of proceeds generated by the commercial exploitation of the projects funded by the third party, after deducting the relevant development cost allocated to the projects.

As at 31 March 2021, management is in discussions with the third party on the amount payable for a project which has been commercialised and an amount of \$323,333 (Note 19(d)) was provided based on management's best estimate. Significant judgements are made to estimate the value proceeds generated from the project and the development cost allocated. In making these judgements, management has relied on the advice from its intellectual property department which has been in discussions with the third party.

If value of the proceeds increases by 50%, the Group's surplus and net assets will decrease by by \$161,667.

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**3. Critical accounting estimates, assumptions and judgements (continued)**

*Judgements in applying the Group's accounting policies*

- (c) Impairment assessment for investment in a subsidiary, joint ventures and associate

Investments in a subsidiary, joint ventures and associate are tested for impairment whenever there is any indication that these assets may be impaired. Management considers amongst other information the latest available financial information of the investee and prevailing market conditions which the investee operate to determine if any indicator of impairment exist.

As at reporting date, no impairment indicators were identified for the Group's investments in a subsidiary (Note 13), joint ventures (Note 15) and associate (Note 14).

**4. Donations received, revenue and other income**

	2021	Group 2020
	\$	\$
Donations received	25,000,000	25,000,000
Other donations	1,981,997	1,561,320
Research services	1,270,249	1,638,708
License fee income	38,657	100,704
Other income:		
- Interest income	219,156	780,635
- Service income	1,549,459	1,599,038
- Dividend income from equity investments measured at FVOCI	-	612,000
- Rent concession	10,880	
- Other miscellaneous income	20,295	110,060
	<b>1,799,790</b>	<b>3,101,733</b>
	<b>30,090,693</b>	<b>31,402,465</b>

Rent concession are COVID-19 related rent concessions received from lessor of \$10,880 to which the Group applied the practical expedient as disclosed in Note 2.

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**5. Other (losses)/gains – net**

	2021	Group	2020
	\$		\$
Currency exchange loss – net	(234,896)		(830)
Fair value loss on RCPS (Note 17)	(2,774,728)		-
Gain on disposal of property and equipment	11,215		-
	<u>(2,998,409)</u>		<u>(830)</u>

**6. Employee compensation**

	2021	Group	2020
	\$		\$
Wages and salaries	14,232,677		16,287,403
Employer's contribution to Central Provident Fund	1,795,015		1,712,618
Other benefits	180,130		2,299,126
	<u>16,207,822</u>		<u>20,299,147</u>

Included in other benefits is a write-back of \$402,938 (2020: provision of \$1,672,333) relating to the Value Creation Incentive Scheme (Note 19(c)).

Annual remuneration of 3 (2020: 3) highest paid employees whose remuneration exceeded \$200,000 (2020: \$200,000) during the financial year:

	2021	2020
	\$	\$
\$400,001 - \$500,000	1	1
\$300,001 - \$400,000	1	-
\$200,001 - \$300,000	1	2
	<u>1</u>	<u>2</u>

There is no paid staff, being a close member of the family belonging to the Executive Head or a governing board member of the charity, who has received remuneration exceeding \$50,000 during the financial year

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**7. Income tax expense**

The Company is registered as a charity under the Singapore Charities Act with effect from 12 May 2015. With effect from Year of Assessment 2008, all registered charities will enjoy automatic income tax exemption and the Company is exempted from filing income tax returns.

Income tax expense

	2021	<u>Group</u>	2020
	\$		\$
Tax expense attributable to surplus is made up of:			
- Current income tax		-	-

The tax on the Group's surplus before tax differs from the theoretical amount that would arise using the Singapore standard rate of income tax as follows:

	2021	<u>Group</u>	2020
	\$		\$
Surplus before income tax	1,151,941		181,149
Tax calculated at a tax rate of 17% (2020: 17%)	195,830		30,795
Deferred tax asset not recognised	3,491		3,228
Income not subjected to tax	<u>(199,321)</u>		<u>(34,023)</u>
	-		-

At the balance sheet date, the subsidiary of the Company has estimated unutilised tax losses of \$250,015 (2020: \$250,015) for which deferred tax asset of \$42,503 (2020: \$42,503) have not been recognised in the financial statements as there is no reasonable certainty of its net realisation. These are available for offset against future taxable income, subject to meeting certain statutory requirements.

**8. Cash and cash equivalents**

	2021	<u>Group</u>	2020	2021	<u>Company</u>	2020
	\$		\$	\$		\$
Cash on hand	5,000		5,893	5,000		5,000
Cash at bank	9,481,614		5,086,836	8,877,646		4,516,911
Short-term bank deposits	45,000,000		42,750,000	45,000,000		42,750,000
<b>Total</b>	<u>54,486,614</u>		<u>47,842,729</u>	<u>53,882,646</u>		<u>47,271,911</u>

The Group and Company has short-term bank deposits with financial institution with an average maturity of 108 days (2020: 154 days) and the weighted average effective interest rate of these deposits at the balance sheet date is 0.15% (2020: 1.54%) per annum

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**9. Trade and other receivables**

	<u>Group</u>		<u>Company</u>	
	2021 \$	2020 \$	2021 \$	2020 \$
Trade receivables	416,829	105,568	416,829	105,568
Grant receivables	2,510,687	2,157,854	2,510,687	2,157,854
Jobs Support Scheme receivable	-	934,486	-	934,486
Dividend receivable	-	612,000	-	612,000
Interest receivable	12,036	163,862	12,036	163,862
Amount due from joint ventures	14,341	71,781	14,341	71,781
Amount due from an associate	3,918	-	3,918	-
Amount due from members of the Company	50,361	11,941	50,361	11,941
<b>Total</b>	<b>3,008,172</b>	<b>4,057,492</b>	<b>3,008,172</b>	<b>4,057,492</b>

Amounts due from joint ventures of the Group and members of the Company are unsecured, interest-free and are repayable on demand.

The Job Support Scheme (JSS) is an assistance given by the Singapore Government to provide employers with the cash flow support to pay wages during the period of economic uncertainty. As at reporting date, the full amount of JSS receivable has been deferred (Note 18) and will only be amortised to the profit or loss in the financial year ending 31 March 2021.

**10. Loan to a subsidiary**

	<u>Group</u>		<u>Company</u>	
	2021 \$	2020 \$	2021 \$	2020 \$
Loan to a subsidiary				
- Non-current	-	-	1,500,000	1,500,000

The loan to a subsidiary, Temasek Life Sciences Ventures Private Limited ("TLV") is unsecured, interest-free, denominated in Singapore Dollar and is not required to be repaid within 12 months from the reporting date.

**11. Other current and non-current assets**

	<u>Group</u>		<u>Company</u>	
	2021 \$	2020 \$	2021 \$	2020 \$
<u>Other current asset</u>				
Prepayments	871,471	474,273	871,471	474,273
<u>Other non-current asset</u>				
Deposits	211,832	209,552	211,832	209,552
Prepayments	-	52,922	-	52,922
	<b>211,832</b>	<b>262,474</b>	<b>211,832</b>	<b>262,474</b>

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**NOTES TO THE FINANCIAL STATEMENTS***For the financial year ended 31 March 2021***12. Property and equipment**

	<u>Laboratory equipment</u> \$	<u>Furniture, fittings and office equipment</u> \$	<u>Computer equipment</u> \$	<u>Motor vehicles</u> \$	<u>Leasehold building</u> \$	<u>Asset under construction</u> \$	<u>Leasehold land</u> \$	<u>Total</u> \$
<b><u>Group and Company</u></b>								
<b>2021</b>								
Beginning of financial year	27,510,108	6,269,173	2,508,370	230,964	3,090,450	2,872,191	172,830	42,654,086
Additions	789,578	34,353	81,780	-	251,819	1,727,214	10,675	2,895,419
Disposals	(1,582,916)	(37,498)	(2,800)	-	-	-	-	(1,623,214)
Transfers	321,200	51,813	-	-	1,467,416	(1,840,429)	-	-
End of financial year	<u>27,037,970</u>	<u>6,317,841</u>	<u>2,587,350</u>	<u>230,964</u>	<u>4,809,685</u>	<u>2,758,976</u>	<u>183,505</u>	<u>43,926,291</u>
<i>Accumulated depreciation</i>								
Beginning of financial year	22,559,964	4,456,248	2,275,971	191,254	2,847,546	-	62,847	32,393,830
Depreciation charge	1,606,709	513,974	123,238	23,826	70,210	-	67,517	2,405,474
Disposals	(1,582,916)	(37,498)	(2,800)	-	-	-	-	(1,623,214)
End of financial year	<u>22,583,757</u>	<u>4,932,724</u>	<u>2,396,409</u>	<u>215,080</u>	<u>2,917,756</u>	<u>-</u>	<u>130,364</u>	<u>33,176,090</u>
<b><i>Net book value</i></b>								
End of financial year	<u><b>4,454,213</b></u>	<u><b>1,385,117</b></u>	<u><b>190,941</b></u>	<u><b>15,884</b></u>	<u><b>1,891,929</b></u>	<u><b>2,758,976</b></u>	<u><b>53,141</b></u>	<u><b>10,750,201</b></u>

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	<u>Laboratory equipment</u> \$	<u>Furniture, fittings and office equipment</u> \$	<u>Computer equipment</u> \$	<u>Motor vehicles</u> \$	<u>Leasehold building</u> \$	<u>Asset under construction</u> \$	<u>Leasehold land</u> \$	<u>Total</u> \$
<b><u>Group and Company</u></b>								
<b>2020</b>								
Beginning of financial year	25,459,948	5,894,597	2,301,879	230,964	2,903,791	2,193,015	-	38,984,194
Adoption of FRS 116	-	-	-	-	-	-	172,830	172,830
Additions	1,354,874	312,781	167,291	-	162,989	2,401,027	-	4,398,962
Disposals	(848,464)	(53,436)	-	-	-	-	-	(901,900)
Transfers	1,543,750	115,231	39,200	-	23,670	(1,721,851)	-	-
End of financial year	<u>27,510,108</u>	<u>6,269,173</u>	<u>2,508,370</u>	<u>230,964</u>	<u>3,090,450</u>	<u>2,872,191</u>	<u>172,830</u>	<u>42,654,086</u>
<i>Accumulated depreciation</i>								
Beginning of financial year	22,029,026	4,035,549	2,157,104	167,428	2,806,181	-	-	31,195,288
Depreciation charge	1,379,402	474,135	118,867	23,826	41,365	-	62,847	2,100,442
Disposals	(848,464)	(53,436)	-	-	-	-	-	(901,900)
End of financial year	<u>22,559,964</u>	<u>4,456,248</u>	<u>2,275,971</u>	<u>191,254</u>	<u>2,847,546</u>	<u>-</u>	<u>62,847</u>	<u>32,393,830</u>
<b><i>Net book value</i></b>								
<b>End of financial year</b>	<u>4,950,144</u>	<u>1,812,925</u>	<u>232,399</u>	<u>39,710</u>	<u>242,904</u>	<u>2,872,191</u>	<u>109,983</u>	<u>10,260,256</u>

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**13. Investment in a subsidiary**

	<u>Company</u>	
	2021	2020
	\$	\$
Beginning of financial year	257,767	1,751,600
Reversal of impairment/(Impairment charge)	477,681	(1,493,833)
End of financial year	<u>735,448</u>	<u>257,767</u>

As at balance sheet date, the details of the subsidiary are as follows:

<u>Names of companies</u>	<u>Principal activities</u>	<u>Country of incorporation</u>	<u>Equity holding</u>	
			2021 %	2020 %
<b>Held by the Company</b>				
Temasek Life Sciences Ventures Private Limited	Investment holding company and research and experimental development on life sciences	Singapore	100	100

**14. Investment in an associate**

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
Beginning of financial year	1,496,378	-	1,496,378	-
Acquisition of an associate	-	1,600,000	-	1,600,000
Share of losses	(230,408)	(103,622)	(230,408)	(103,622)
End of financial year	<u>1,265,970</u>	<u>1,496,378</u>	<u>1,265,970</u>	<u>1,496,378</u>

As at balance sheet date, the details of the associate are as follows:

<u>Names of companies</u>	<u>Principal activities</u>	<u>Country of incorporation</u>	<u>Equity holding</u>	
			2021 %	2020 %
<b>Held by the Company</b>				
Zero2.5 Biotech Pte Ltd	Technology and service Provider of smart natural bio Scientific solution for clean air management	Singapore	42	42

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**14. Investment in an associate (continued)**

The summarised financial information of the material associate is as follows:

Summarised balance sheet

	Zero 2.5 Biotech Pte Ltd.	
	2021	2020
	\$'000	\$'000
<b>Current assets</b>	<b>1,634</b>	1,355
Includes:		
- Cash and cash equivalents	<b>1,163</b>	1,178
<b>Current liabilities</b>	<b>(728)</b>	(47)
Includes:		
- Financial liabilities (excluding trade payables)	<b>(693)</b>	(47)
<b>Non-current assets</b>	<b>1,588</b>	1,589
<b>Non-current liabilities</b>	-	-
Includes:		
- Other liabilities	-	-
<b>Net assets</b>	<b>2,494</b>	2,897

Summarised statement of comprehensive income

	Zero 2.5 Biotech Pte Ltd.	
	2021	2020
	\$'000	\$'000
Revenue	<b>2,223</b>	14
Cost of sales	<b>(998)</b>	(8)
Interest income		-
Other losses - net	<b>98</b>	(1)
Expenses	<b>(1,842)</b>	(738)
Includes:		
- Administrative	<b>(1,550)</b>	(673)
- Selling and distribution	<b>(292)</b>	(65)
Share of losses of associate	-	-
Loss before income tax	<b>(519)</b>	(733)
Income tax expense	-	-
Loss after income tax	<b>(519)</b>	(733)
Other comprehensive (loss)/income	-	-
Total comprehensive loss	<b>(519)</b>	(733)

Reconciliation of the summarised financial information presented to the carrying amount of the Group's interest in associate, is as follows:

	Zero 2.5 Biotech Pte Ltd	
	As at 31 March	
	2021	2020
	\$'000	\$'000
Net Assets	<b>2,494</b>	2,897
Group's equity interest	<b>42%</b>	42%
Group's share of net assets	<b>1,047</b>	1,217
Goodwill	<b>219</b>	279
Carrying value	<b>1,266</b>	1,496

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**15. Investment in joint ventures**

	<u>Group</u>		<u>Company</u>	
	2021 \$	2020 \$	2021 \$	2020 \$
Beginning of financial year	3,207,701	5,720,983	855,791	1,859,711
Share of losses	(2,276,077)	(2,600,860)	226,756	(1,009,545)
Currency translation differences (Note 23)	227,007	87,578	-	5,625
End of financial year	<u>1,158,631</u>	<u>3,207,701</u>	<u>1,082,547</u>	<u>855,791</u>

As at balance sheet date, the details of the joint ventures are as follows:

<u>Names of companies</u>	<u>Principal activities</u>	<u>Country of incorporation</u>	<u>Equity holding</u>	
			2021 %	2020 %
<b>Held by the Company</b>				
JOil (S) Pte. Ltd. <sup>(1)</sup>	Research and development of improved Jatropha plants, commercial propagation and sale of elite Jatropha seedlings	Singapore	24	24
Temasek Lifesciences Accelerator Pte. Ltd.	Investment holding company and research and experimental development on life sciences	Singapore	67	67
<b>Held through TLV (Note 13)</b>				
JOil (S) Pte. Ltd. <sup>(1)</sup>	Research and development of improved Jatropha plants, commercial propagation and sale of elite Jatropha seedlings	Singapore	11	11
Tridel Biosciences International Pte. Ltd.	To carry on the business in medical diagnostic kits or equipment, research and development	Singapore	51	51

<sup>(1)</sup> The Group collectively owns 35% equity holdings in JOil (S) Pte. Ltd.

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**15. Investment in joint ventures (continued)**

The summarised financial information of the material joint ventures is as follows:

Summarised balance sheet

	Joil (S) Pte. Ltd		Temasek Lifesciences Accelerator Pte. Ltd.	
	2021 \$'000	2020 \$'000	2021 \$'000	2020 \$'000
<b>Current assets</b>	<b>3,090</b>	6,575	<b>2,055</b>	1,918
Includes:				
- Cash and cash equivalents	<b>2,084</b>	5,341	<b>1,376</b>	1,580
<b>Current liabilities</b>	<b>(709)</b>	(693)	<b>(449)</b>	(650)
Includes:				
- Financial liabilities (excluding trade payables)	<b>(707)</b>	(655)	<b>(440)</b>	(219)
<b>Non-current assets</b>	<b>13,162</b>	14,932	<b>14</b>	15
<b>Non-current liabilities</b>	<b>(21,442)</b>	(19,796)	-	-
Includes:				
- Other liabilities	<b>(21,442)</b>	(19,796)	-	-
<b>Net assets</b>	<b>(5,899)</b>	1,018	<b>1,620</b>	1,283

Summarised statement of comprehensive income

	JOil (S) Pte. Ltd		Temasek Lifesciences Accelerator Pte. Ltd.	
	2021 \$'000	2020 \$'000	2021 \$'000	2020 \$'000
Revenue	<b>1,308</b>	1,713	<b>1,260</b>	1,419
Other income - net	<b>194</b>	247	<b>494</b>	51
Expenses	<b>(13,950)</b>	(9,767)	<b>(1,349)</b>	(1,267)
Includes:				
- Depreciation and amortisation	<b>(903)</b>	(1,617)	<b>(9)</b>	(8)
- Interest expense	<b>(1,525)</b>	(1,442)	-	-
(Loss)/Profit before income tax	<b>(12,448)</b>	(7,807)	<b>405</b>	203
Income tax expense	<b>4</b>	4	<b>(26)</b>	(13)
(Loss)/Profit after income tax	<b>(12,444)</b>	(7,803)	<b>379</b>	190
Other comprehensive (loss)/income	<b>227</b>	234	-	-
Total comprehensive (loss)/ income	<b>(12,217)</b>	(7,569)	<b>379</b>	190

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**15. Investment in joint ventures (continued)**

*Reconciliation of summarised financial information*

Reconciliation of the summarised financial information presented to the carrying amount of the Group's interest in joint ventures, are as follows:

	JOil (S) Pte. Ltd.		Temasek Lifesciences Accelerator Pte. Ltd.		Total	
	As at 31 March		As at 31 March		As at 31 March	
	2021	2020	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Net Assets	<b>(5,899)</b>	1,018	<b>1,620</b>	1,283	<b>(4,279)</b>	2,301
Group's equity interest	<b>35%</b>	35%	<b>67%</b>	67%		
Group's share of net assets	-	356	<b>1,085</b>	859	<b>1,085</b>	1,215
Goodwill	-	1,918	<b>(3)</b>	(3)	<b>(3)</b>	1,915
Carrying value	-	2,274	<b>1,082</b>	856	<b>1,082</b>	3,130
Add: carrying value of an immaterial joint venture					78	78
Carrying value of Group's interest in joint ventures					<u>1,160</u>	<u>3,208</u>

In the current financial year, the Group did not recognise losses totalling \$1.8 million in relation to its interests in JOil (S) Pte. Ltd. because the Group has no obligation in respect of these losses.

**16. Financial assets (FVOCI)**

	Group		Company	
	2021	2020	2021	2020
	\$	\$	\$	\$
<i>Current – Quoted equity investments</i>				
Beginning of financial year	<b>411,968</b>	1,098,581	-	-
Fair value gain/(loss) (Note 23) <sup>v</sup>	<b>1,207,629</b>	(686,613)	-	-
Disposal	<b>(52,500)</b>	-	-	-
End of financial year <sup>^</sup>	<b>1,567,097</b>	411,968	-	-
<i>Non-current – Unquoted equity investments:</i>				
Beginning of financial year	<b>6,717,656</b>	5,497,290	<b>6,717,656</b>	5,497,290
Additions	<b>52,922</b>	3,570,366	<b>52,922</b>	3,570,366
Fair value gain (Note 23)	<b>340,468</b>	5,446,781	<b>340,468</b>	5,446,781
Disposal	-	(7,796,781)	-	(7,796,781)
End of financial year	<b>7,111,046</b>	6,717,656	<b>7,111,046</b>	6,717,656
Total financial assets (FVOCI)	<b>8,678,143</b>	7,129,624	<b>7,111,046</b>	6,717,656

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**16. Financial assets (FVOCI) (continued)**

Financial assets (FVOCI) are analysed as follows:

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
Quoted securities:				
Equity securities – Singapore	1,567,097	411,968	-	-
Unquoted securities:				
- Equity securities – Cayman Islands	1,112,788	1,112,788	1,112,788	1,112,788
- Equity securities – United States	-	18,145	-	18,145
- Equity securities – China	-	102,523	-	102,523
- Equity securities – Singapore	5,998,258	5,484,200	5,998,258	5,484,200
	<u>7,111,046</u>	<u>6,717,656</u>	<u>7,111,046</u>	<u>6,717,656</u>
	<u>8,678,143</u>	<u>7,129,624</u>	<u>7,111,046</u>	<u>6,717,656</u>

In August 2020, the Group financial assets (FVOCI) with a fair value of \$52,500 was disposed for cash proceeds equal to its' fair value.

**17. Financial assets (FVPL)**

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
<i>Current – Non-listed derivative instruments</i>				
Beginning of financial year	6,140,793	-	6,140,793	-
Additions	343,652	6,140,793	343,652	6,140,793
Fair value loss	(2,774,728)	-	(2,774,728)	-
End of financial year	<u>3,709,717</u>	<u>6,140,793</u>	<u>3,709,717</u>	<u>6,140,793</u>

Financial assets (FVPL) are analysed as follows:

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
<i>Current-Non-listed derivative instruments</i>				
- Redeemable convertible preference shares	3,366,065	6,140,793	3,366,065	6,140,793
- Convertible loan	<u>343,652</u>	-	<u>343,652</u>	-

Financial Assets (FVPL) comprise of redeemable convertible preference shares (“RCPS”) and convertible loan.

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**18. Trade and other payables**

	Group		Company	
	2021 \$	2020 \$	2021 \$	2020 \$
<i>Current</i>				
Trade payables	1,439,072	855,951	1,439,072	855,951
Amount due to members of the Company	487,190	346,014	487,190	346,014
Amount due to joint ventures	615,673	271,494	615,673	271,494
Amount due to an associate	4,449	-	4,449	-
Accrued operating expenses	971,236	1,052,301	959,533	1,039,422
Unutilised grants (Note 18(a))	-	130,775	-	130,775
Research project funds received in advance (Note 18(b))	1,153,805	3,109,663	1,153,805	3,109,663
Deferred JSS grant income (Note 9)	-	934,486	-	934,486
Other payable	5,250,358	-	5,250,355	-
End of financial year	<b>9,921,783</b>	6,700,684	<b>9,910,077</b>	6,687,805
<i>Non-current</i>				
Other payable	-	3,411,600	-	3,411,600
Refundable deposit	183,753	269,003	183,753	269,003
	<b>183,753</b>	3,680,603	<b>183,753</b>	3,680,603
Total trade and other payables	<b>10,105,536</b>	10,381,287	<b>10,093,830</b>	10,368,408

Amounts due to members of the Company and joint ventures are unsecured, interest-free and are repayable on demand. Other payable relates to additional investment in TLIF's preference shares and amount due to an affiliate.

(a) Unutilised grants

	Group		Company	
	2021 \$	2020 \$	2021 \$	2020 \$
Beginning of financial year	130,775	135,000	130,775	135,000
Grants approved during financial year	7,712,482	5,476,491	7,712,482	5,476,491
Transfer to profit or loss	(5,836,834)	(5,222,405)	(5,836,834)	(5,222,405)
Transfer to deferred capital grants (Note 21)	(1,968,905)	(258,311)	(1,968,905)	(258,311)
Refund to grantor	(37,518)	-	(37,518)	-
End of financial year	-	130,775	-	130,775

(b) Research project funds

	Group		Company	
	2021 \$	2020 \$	2021 \$	2020 \$
Beginning of financial year	3,109,663	5,355,348	3,109,663	5,355,348
Funds received in advance during financial year	1,296,388	954,343	1,296,388	954,343
Transfer to profit and loss	(3,252,246)	(3,200,028)	(3,252,246)	(3,200,028)
End of financial year	<b>1,153,805</b>	3,109,663	<b>1,153,805</b>	3,109,663

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**19. Provisions**

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
<i>Current</i>				
Provision for employment leave entitlement (Note 19(a))	819,883	684,274	819,883	684,274
Provision for gratuity benefits (Note 19(b))	92,746	41,746	92,746	41,746
Provision for bonus	858,000	993,000	858,000	993,000
Provision for Value Creation Incentive Scheme (Note 19(c))	15,328	210,549	15,328	210,549
End of financial year	<u>1,785,957</u>	<u>1,929,569</u>	<u>1,785,957</u>	<u>1,929,569</u>
<i>Non-current</i>				
Provision for Value Creation Incentive Scheme (Note 19(c))	1,058,845	1,461,784	1,058,845	1,461,784
Provision for amount payable to a third party (Note 19(d))	323,333	215,556	323,333	215,556
End of financial year	<u>1,382,178</u>	<u>1,677,340</u>	<u>1,382,178</u>	<u>1,677,340</u>

(a) Movements in provision for employment leave entitlement

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
Beginning of financial year	684,274	649,374	684,274	649,374
Provision made during financial year	141,866	96,521	141,866	96,521
Utilised during financial year	(6,257)	(61,621)	(6,257)	(61,621)
End of financial year	<u>819,883</u>	<u>684,274</u>	<u>819,883</u>	<u>684,274</u>

(b) Movements in provision for gratuity benefits

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
Beginning of financial year	41,746	10,200	41,746	10,200
Provision made during financial year	84,525	68,896	84,525	68,896
Utilised during financial year	(33,525)	(37,350)	(33,525)	(37,350)
End of financial year	<u>92,746</u>	<u>41,746</u>	<u>92,746</u>	<u>41,746</u>

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**19. Provisions (continued)**

(c) Movements in provision for Value Creation Incentive Scheme

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
Beginning of financial year	1,672,333	-	1,672,333	-
Provision made during financial year	(402,938)	1,672,333	(402,938)	1,672,333
Utilised during financial year	(195,222)	-	(195,222)	-
End of financial year	<u>1,074,173</u>	<u>1,672,333</u>	<u>1,074,173</u>	<u>1,672,333</u>

Value Creation Incentive Scheme (“VCIS”) is a scheme which rewards eligible employees with a share of proceeds from the commercialization of intellectual property that have resulted from their efforts and contributions.

(d) Movements in provision for amount payable to a third party

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
Beginning of financial year	215,556	-	215,556	-
Provision made during financial year	107,777	215,556	107,777	215,556
End of financial year	<u>323,333</u>	<u>215,556</u>	<u>323,333</u>	<u>215,556</u>

**20. Leases – The Group as a lessee**

**Nature of the Group’s leasing activities**

**Leasehold land**

The Group makes annual lease payments for a leasehold land which is used in the Group’s aquaculture research. This leasehold land is recognised within Property and equipment (Note 12).

There are no externally imposed covenant on these lease arrangements.

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**20. Leases– The Group as a lessee (continued)**

(a) Amount recognised in the balance sheet

	<b>31 March 2021 \$</b>	<b>1 April 2020 \$</b>
<b>Property and equipment</b>		
Leasehold land	<u>53,141</u>	109,983
	<b>31 March 2021 \$</b>	<b>1 April 2021 \$</b>
<b>Lease liabilities</b>		
Current	54,465	63,047
Non-current	-	48,414
	<u>54,465</u>	<u>111,461</u>

(b) Depreciation charge during the year

	<b>2021 \$</b>
Leasehold land	<u>67,517</u>

(c) Interest expense

	<b>2021 \$</b>
Interest expense on lease liabilities	<u>2,370</u>

(d) Lease expense not capitalised in lease liabilities

	<b>2021 \$</b>
Low-value lease expense	<u>3,250</u>

(e) Total cash outflow for all leases in 2021 was \$62,411(2020: \$68,280)

(f) Addition of right-of-use assets during the financial year 2021 was \$10,675 (2020: \$nil)

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**21. Deferred capital grants**

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
Beginning of financial year	1,186,310	1,459,416	1,186,310	1,459,416
Transfer from unutilised grants (Note 18(a))	1,968,905	258,311	1,968,905	258,311
Transfer to profit or loss	<b>(855,399)</b>	<b>(531,417)</b>	<b>(855,399)</b>	<b>(531,417)</b>
End of financial year	<b>2,299,816</b>	1,186,310	<b>2,299,816</b>	1,186,310

**22. Other equity instrument**

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
Beginning and end of financial year	<b>46,600,000</b>	46,600,000	<b>46,600,000</b>	46,600,000

On 1 January 2016, the Company entered into the Deed of Amendment and Waiver with TLS and the Deed on Repayment dated 1 July 2005 between the parties was terminated and no longer effective. Under the Deed of Amendment and Waiver, the Company no longer have a contractual obligation to deliver cash or other financial assets to repay the outstanding loan to TLS. As a result, the full amount of the outstanding loan was extinguished by issuance of other equity instrument and transfer to a credit pool.

On 1 January 2016, the Company entered into the Intellectual Property Framework Agreement (the "Agreement") with TLS, where the Company is responsible for the development of exploitable intellectual property. Where a suitable third party has agreed to participate in the exploitation of the exploitable intellectual property, the Company shall incorporate a special purpose vehicle ("SPV") and grant a licence of the exploitable intellectual property to the SPV. TLS will be given the discretion to acquire a portion of the SPV shares either in cash or by way of offsetting against the credit pool. For the avoidance of doubt, in the event TLS chooses the option of offsetting against the credit pool, this is not, and should not be construed, as a demand for repayment of the outstanding loan.

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**23. Other reserves**

	Group		Company	
	2021 \$	2020 \$	2021 \$	2020 \$
(a) <u>Composition:</u>				
Fair value reserve	(313,046)	(1,944,844)	(217,375)	(557,843)
Currency translation reserve	(308,086)	(535,093)	(584,263)	(584,263)
	<u>(621,132)</u>	<u>(2,479,937)</u>	<u>(801,638)</u>	<u>(1,142,106)</u>
(b) <u>Movements:</u>				
<b>(i) Fair value reserve</b>				
Beginning of financial year	(1,944,844)	(1,258,230)	(557,843)	(557,843)
Disposal of investment in Financial Asset (FVOCI)	83,700	(5,446,781)	-	(5,446,781)
Financial assets (FVOCI)	1,548,098	4,760,167	340,468	5,446,781
End of financial year	<u>(313,046)</u>	<u>(1,944,844)</u>	<u>(217,375)</u>	<u>(557,843)</u>
<b>(ii) Currency translation reserve</b>				
Beginning of financial year	(535,093)	(622,671)	(584,263)	(589,888)
Net currency translation differences of financial statements of joint ventures' foreign operations	227,007	87,578	-	5,625
End of financial year	<u>(308,086)</u>	<u>(535,093)</u>	<u>(584,263)</u>	<u>(584,263)</u>

**24. Capital reserve**

The capital reserve comprises of accumulated loans waived on the loans owing to a member of the Company, Temasek Life Sciences Private Limited.

**25. Operating lease commitments**

The Group leases lands and equipment from non-related parties under non-cancellable operating lease agreements. The leases have varying terms, escalation clauses and renewal rights.

The future minimum lease payables under non-cancellable operating leases contracted for at the balance sheet date but not recognised as liabilities, are as follows:

	2020 S\$
Not later than one year	3,000
Between one and five years	6,250
	<u>9,250</u>

As disclosed in Note 2.1, the Group has adopted FRS 116 on 1 April 2020. These lease payments have been recognised as right-of-use assets and lease liabilities on the balance sheet as at 31 March 2021, except for short-term and low value leases.

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**26. Financial risk management**

*Financial risk factors*

The Group's activities expose it to a variety of financial risks: market risk, credit risk and liquidity risk.

The Group's risk management program focuses on the unpredictability of financial markets and seeks to minimise potential adverse effects on the financial performance of the Group. Risk management is carried out under policies approved by the Board of Directors.

The finance personnel measure actual exposures against the limits set and prepares regular reports for the review by the management team and the Board of Directors. The information presented below is based on information received by management.

(a) Market risk

(i) *Currency risk*

The Group's business operations are not exposed to significant foreign currency risks as it has no significant transactions denominated in foreign currencies.

(ii) *Price risk*

The Group is exposed to equity securities price arising from the investments classified as financial assets (FVOCI). For financial assets (FVOCI), the Group manages its risk by investing within the limits determined by management.

If the prices for the financial assets (FVOCI) had changed by 5% (2020: 5%) with all other variables including tax rate being constant, the Group's other comprehensive income would have been \$78,355 (2020: \$20,598) higher/lower.

(iii) *Interest rate risk*

The Group has insignificant financial assets and liabilities that are exposed to interest rate risk. The Group's has short-term bank deposits which are subjected to fixed interest rates.

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**26. Financial risk management** (continued)

(b) Credit risk

Credit risk refers to the risk that counterparty will default on its contractual obligation, resulting in financial loss to the Group.

(i) *Risk management*

The Group adopts the following policy to mitigate the credit risk.

For banks and financial institutions, and trade and other receivables, the Group mitigates its credit risks by transacting only with counterparties with high credit ratings as determined by independent rating agencies.

There are no significant concentration of credit risks, whether through exposure to individual customers, specific industry sectors and/or regions.

The Company has assessed that its subsidiary has strong financial capacity to meet the contractual obligation of \$1,500,000 (2020: \$1,500,000) and considered to have low credit risk. The loan is measured on 12-month expected credit losses and subject to immaterial credit loss.

(ii) *Impairment of financial assets*

The Group has applied the simplified approach by using the provision matrix to measure the lifetime expected credit losses for trade and other receivables.

To measure the expected credit losses, these receivables have been grouped based on shared credit risk characteristics and days past due. In calculating the expected credit loss rates, the Group considers historical loss rates for each customer, and adjusts for forward-looking macroeconomic data.

Receivables are written off when there is no reasonable expectation of recovery, such as a debtor failing to engage in a repayment plan with the Group.

There are no financial assets that are subjected to expected credit losses as at 31 March 2021 and 31 March 2020.

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**26. Financial risk management (continued)**

(c) Liquidity risk

The Group manages liquidity risk by maintaining cash sufficient to enable it to meet its operational requirements.

The table below analyses the maturity profile of the Group's financial liabilities based on contractual undiscounted cash flows.

	Less than <u>1 year</u> \$	Between 1 and 2 <u>years</u> \$
<b>At 31 March 2021 (Group)</b>		
Trade and other payables		
	<b>3,517,620</b>	<b>183,753</b>
Lease liabilities	<b>55,080</b>	
	<b>3,572,700</b>	<b>183,753</b>
<b>At 31 March 2020 (Group)</b>		
Trade and other payables	2,525,760	3,680,603
Lease liabilities	65,280	48,960
	<b>2,591,040</b>	<b>3,729,563</b>
<b>At 31 March 2021 (Company)</b>		
Trade and other payables		
	<b>3,505,917</b>	<b>183,753</b>
Lease liabilities	<b>55,080</b>	
	<b>3,560,997</b>	<b>183,753</b>
<b>At 31 March 2020 (Company)</b>		
Trade and other payables	2,512,881	3,680,603
Lease liabilities	65,280	48,960
	<b>2,578,161</b>	<b>3,729,563</b>

(d) Capital risk

The Group's objectives when managing capital are to ensure that the Group is adequately capitalised and to maintain an optimal capital structure by obtaining funding from its members or government grants when necessary. Management monitors capital risk based on amount of funding obtained. The Group is not subject to any externally imposed capital requirements.

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**26. Financial risk management (continued)**

(e) Fair value measurements

The following table presents assets and liabilities measured at fair value and classified by level of fair value measurement hierarchy as follows:

	<u>Level 1</u>	<u>Level 3</u>
<b>As at 31 March 2021 (Group)</b>		
Financial assets (FVOCI)	<b>1,567,097</b>	<b>7,111,046</b>
Financial assets (FVPL)	-	<b>3,709,717</b>
	<hr/>	<hr/>
<b>As at 31 March 2020 (Group)</b>		
Financial assets (FVOCI)	411,968	6,717,656
Financial assets (FVPL)	-	6,140,793
	<hr/>	<hr/>
<b>As at 31 March 2021 (Company)</b>		
Financial assets (FVOCI)	-	<b>7,111,046</b>
Financial assets (FVPL)	-	<b>3,709,717</b>
	<hr/>	<hr/>
<b>As at 31 March 2020 (Company)</b>		
Financial assets (FVOCI)	-	6,717,656
Financial assets (FVPL)	-	6,140,793
	<hr/>	<hr/>

The fair value of financial instruments that are not traded in an active market is determined by using valuation techniques. The Group uses a variety of methods and makes assumptions that are based on market conditions existing at each balance sheet date. In infrequent circumstances, where a valuation technique for these instruments is based on significant unobservable inputs, such instruments are included in Level 3.

The following table presents the change in Level 3 instruments for the financial year ended 31 March 2021.

	<b>Financial assets Group/ Company 2021 \$</b>	<b>Financial assets Group/ Company 2020 \$</b>
Opening balance	<b>12,858,449</b>	5,497,290
Additions	<b>396,574</b>	9,711,159
Fair value gain/(loss)	<b>(2,434,260)</b>	5,446,781
Disposal	-	(7,796,781)
Closing balance	<b>10,820,763</b>	12,858,449
	<hr/>	<hr/>

The carrying value of the Group's cash and bank deposits, trade and other receivables and trade and other payables approximate their fair values.

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**26. Financial risk management (continued)**

(f) Financial instruments by category

The carrying value of financial assets (FVOCI) are included in Note 16, FVPL in Note 17 and the aggregate carrying value of financial assets at amortised cost and financial liabilities at amortised cost are as follows:

	<u>Group</u>		<u>Company</u>	
	2021	2020	2021	2020
	\$	\$	\$	\$
Financial assets at amortised cost	<b>57,706,618</b>	52,162,695	<b>58,602,650</b>	53,091,877
Financial liabilities at amortised cost	<b>7,167,438</b>	6,317,822	<b>7,155,735</b>	6,304,943

**27. Related party transactions**

(a) In addition to the information disclosed elsewhere in the financial statements, the following transactions took place between the Company and related parties at terms agreed between the parties:

	2021	2020
	\$	\$
Sale of services to:		
- joint ventures of the Company	<b>122,468</b>	201,401
- members of the Company	<b>61,677</b>	18,550
- an associate of the Company	<b>12,195</b>	
Purchase of goods and/or services from:		
- joint ventures of the Company	<b>1,098,504</b>	1,182,420
- members of the Company	<b>1,731,810</b>	2,172,700
Recharge of expenses from:		
- joint ventures of the Company		-
- members of the Company	<b>63,795</b>	80,084
Recharge of expenses to:		
- subsidiary of the Company		1,645
- joint ventures of the Company	<b>91,735</b>	290,273
- members of the Company	<b>34,362</b>	43,618
- An associate of the Company	<b>27,281</b>	

Balances with related parties at the balance sheet date are set out in Notes 9, 10 and 18, respectively.

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**27. Related party transactions** (continued)

(b) Key management personnel compensation is as follows:

	<b>2021</b>	2020
	<b>\$</b>	\$
Salaries and other employee benefits	<b>1,054,391</b>	964,598

**28. New or revised accounting Standards and Interpretations**

Certain new accounting standards and interpretations have been published that are not mandatory for 31 March 2021 reporting periods and have not been early adopted by the Group. These standards are not expected to have a material impact on the Group in the current or future reporting periods and on foreseeable future transactions.

**29. Authorisation of financial statements**

These financial statements were authorized for issue in accordance with a resolution of the Board of Directors of Temasek Life Sciences Laboratory Limited on 7 September 2021.