

LIFE SCIENCE TREND ANALYSIS

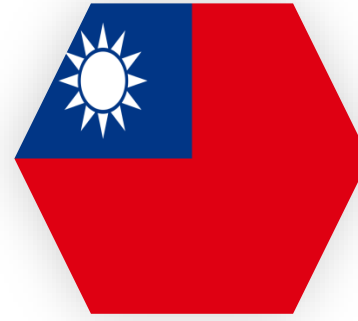
TAIWAN | 2024



VENTURE VALUATION
GLOBAL VALUATION SERVICES



MAY 2024



ABOUT US



The following statistical information has been obtained from Biotechgate, a global, comprehensive life science database encompassing the biotechnology, pharmaceutical and medical device industries.

www.biotechgate.com



The Taiwan Life Sciences Database is a part of the global Biotechgate and is brought to you in partnership with the Taiwan Bio Industry Organization (TBIO).

www.taiwaneselifesciences.com



Biotechgate is owned and operated by Venture Valuation AG, a Zurich based company specializing in independent assessment and valuation of technology-driven companies in high growth industries, such as the life sciences (biotech, pharma, medtech), ICT, high-tech, nanotech, cleantech and renewable energy.

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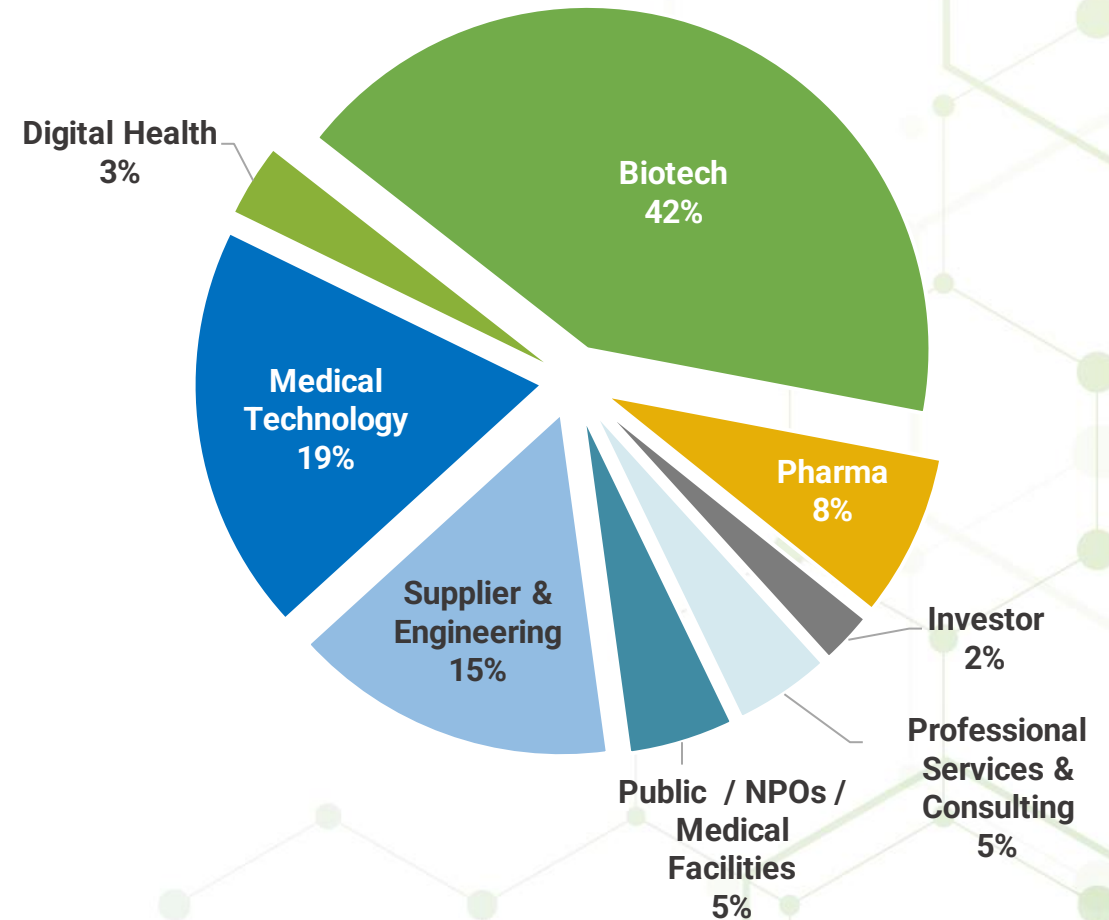
Taiwan Bio-Industry Development Association has been established in 1989 with its main purpose to combine the industry, relevant government departments and academia to jointly promote the bio-industry, so as to develop Taiwan's economy and improve the quality of life of the people.

Members cover biotechnology, pharmaceuticals, medical materials, diagnostics, agricultural biotechnology, food biotechnology and other manufacturers across the country. At present, there are more than 130 corporate members and about 4,000 association members.

www.taiwanbio.org.tw

OVERVIEW OF THE LIFE SCIENCE INDUSTRY

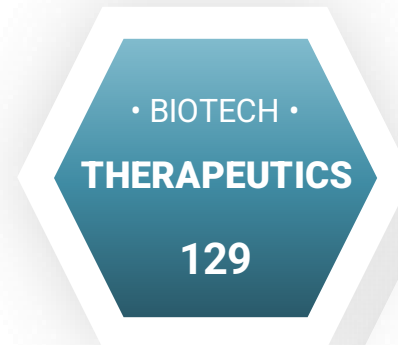
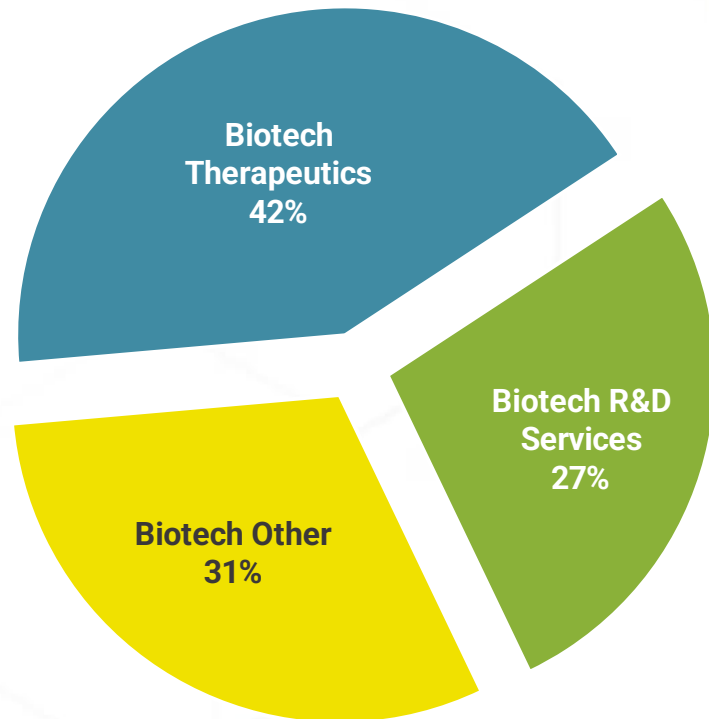
NUMBER OF COMPANIES BY SECTOR



For the definition of categories please visit www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html. Biotech Companies include the following categories: Biotechnology – Therapeutics and Diagnostics; Biotechnology – R&D; Biotechnology – Other. *Other life science related companies include supplier & engineering, professional services & consulting, media and public / non-profit organizations / medical facilities. Professional services & consulting includes 1 company of the category "Media". Percentage value is expressed as % of total number of companies. Information displayed may alter as new information is received continuously

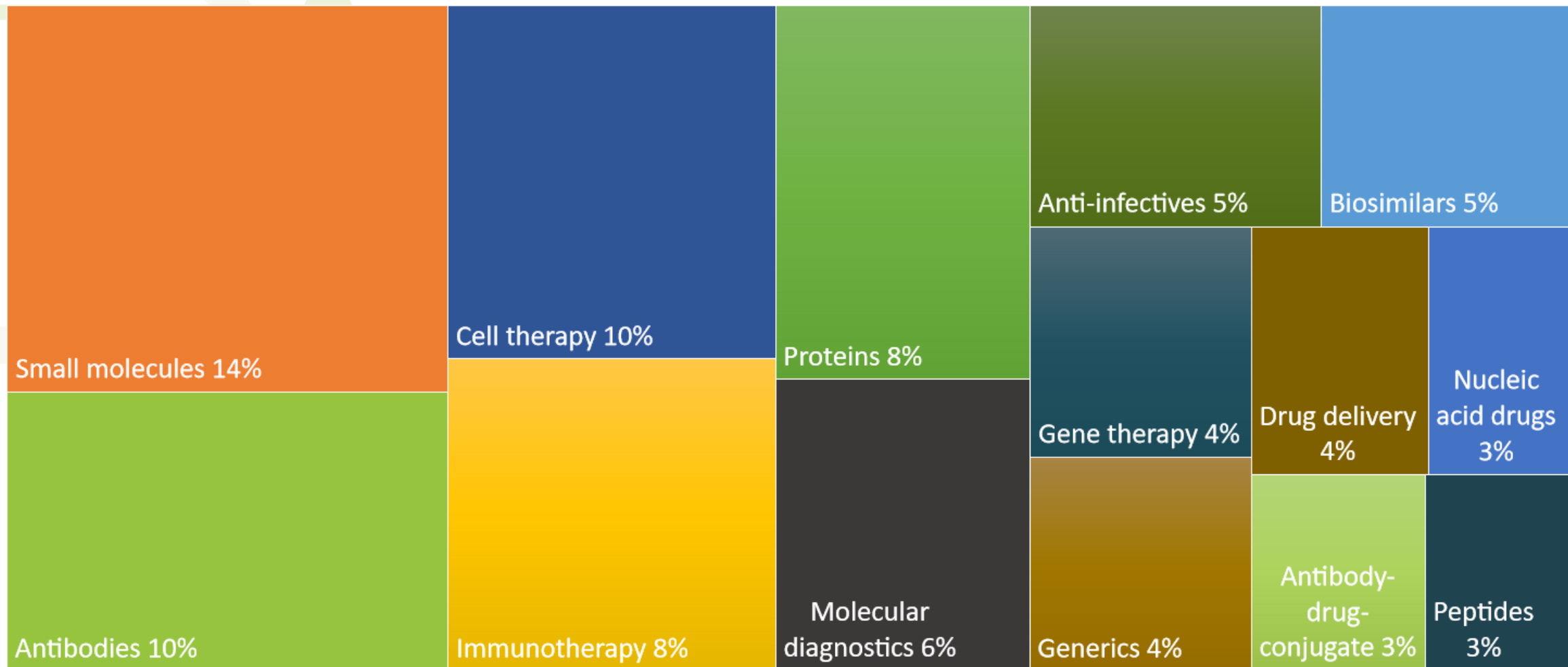
OVERVIEW OF BIOTECH COMPANIES

NUMBER OF COMPANIES BY SECTOR



BIOTECH - THERAPEUTICS COMPANIES BY KEY ACTIVITIES

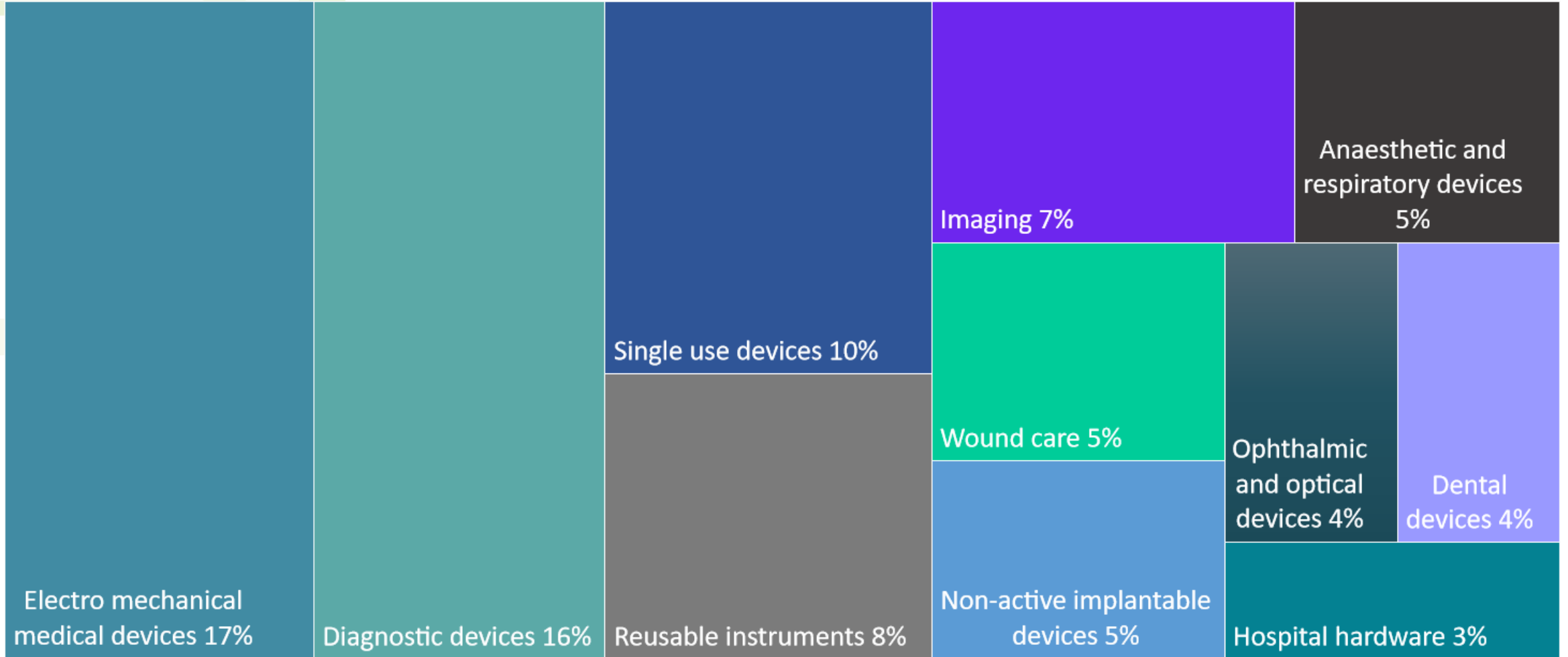
AS PERCENTAGE OF TOTAL NUMBER OF BIOTECH - THERAPEUTICS COMPANIES



For 129 Biotech Therapeutics companies there were 322 subsectors (key activity areas) assigned (one biotech company can be active in multiple areas). The graph displays Biotech – Therapeutics and Diagnostics subsectors as the percentage of the total number of Biotech – Therapeutics and Diagnostics subsectors with exclusion of the category Others and categories with a share of <3%. The company subsectors are regarded as the key activities of a company. For the definition of subsectors please visit www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html. Information displayed may alter as new information is received continuously.

MEDICAL TECHNOLOGY COMPANIES BY KEY ACTIVITIES

AS PERCENTAGE OF TOTAL NUMBER OF MEDICAL TECHNOLOGY COMPANIES

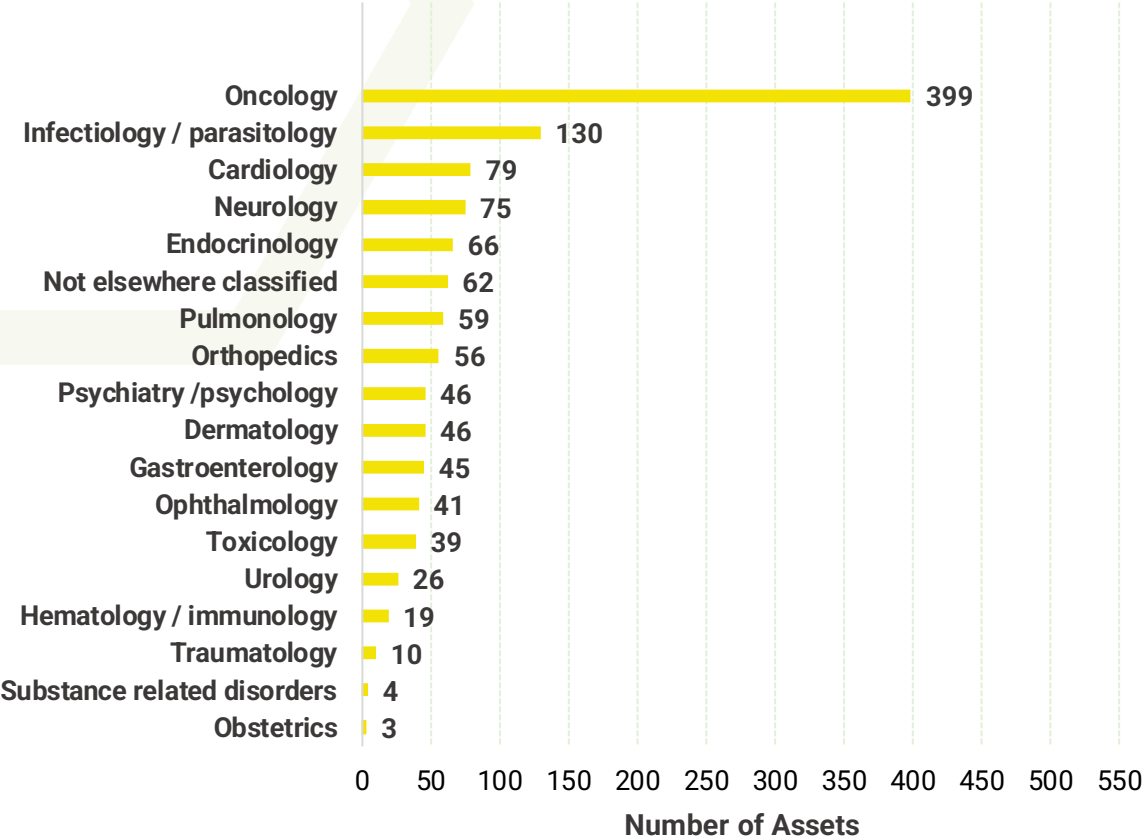


For 137 Medical Technology companies there were 390 subsectors (key activity areas) assigned (one medtech company can be active in multiple areas). The graph displays Medical Technology subsectors as the percentage of the total number of Medical Technology subsectors with exclusion of the category Others and categories with a share of <3%. The company subsectors are regarded as the key activities of a company. For the definition of subsectors please visit www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html. Information displayed may alter as new information is received continuously.

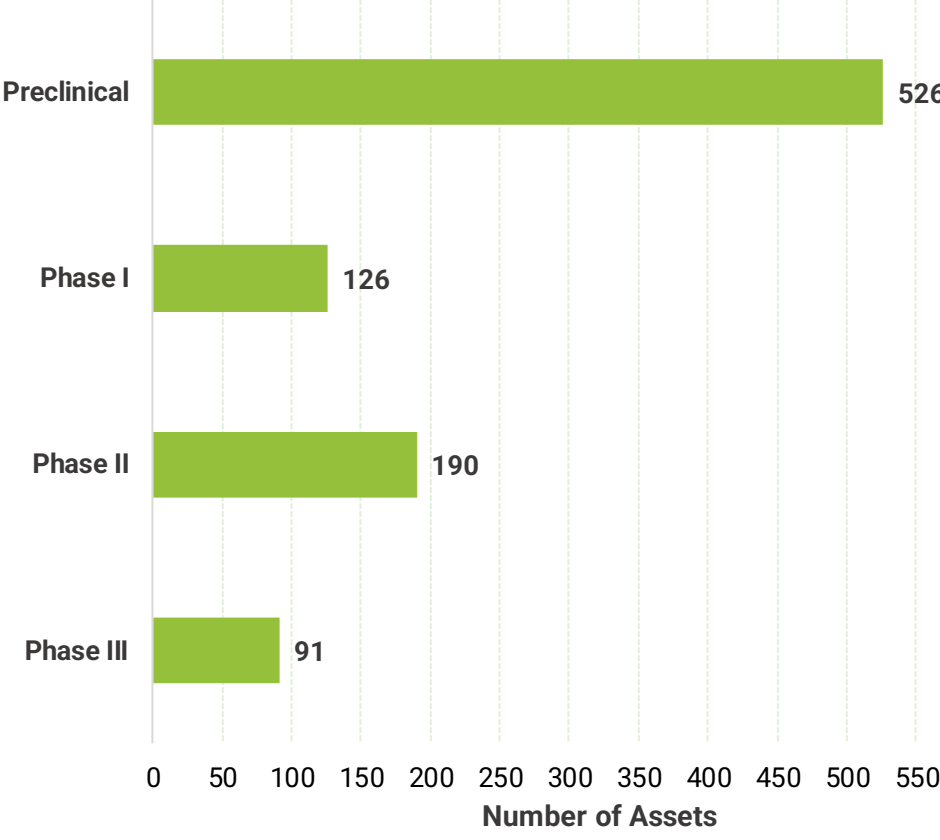
BIOTECH ASSETS IN CLINICAL DEVELOPMENT

BY INDICATION AND DEVELOPMENT PHASE

BREAKDOWN BY INDICATION



BREAKDOWN BY DEVELOPMENT PHASE

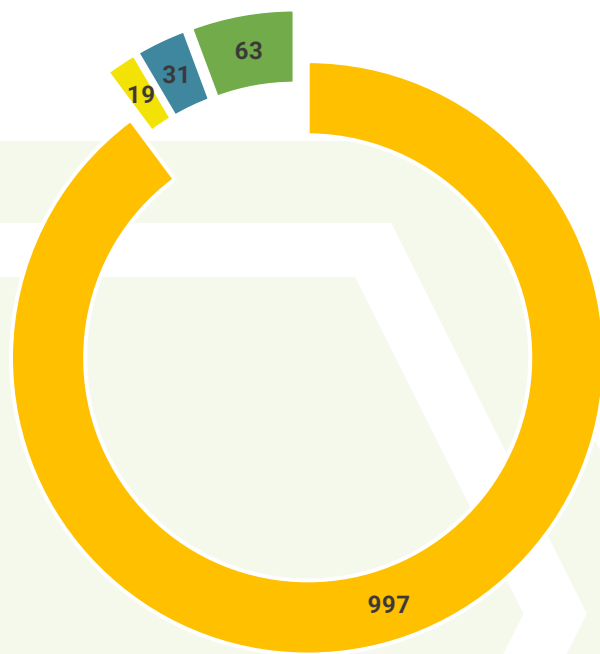


Both graphs contain the number of assets of Biotech – Therapeutics and Diagnostics companies (excl. of Pharma or Biotech – Others or Biotech R&D Services companies). Products in Discovery and Lead Optimization Phase are merged into Preclinical; Development Phase I/II trials are merged into Phase II and Phase II/III trials are merged into Phase III category. Information displayed in the chart may alter as new information is received continuously

ASSETS AVAILABLE FOR OUT-LICENSING

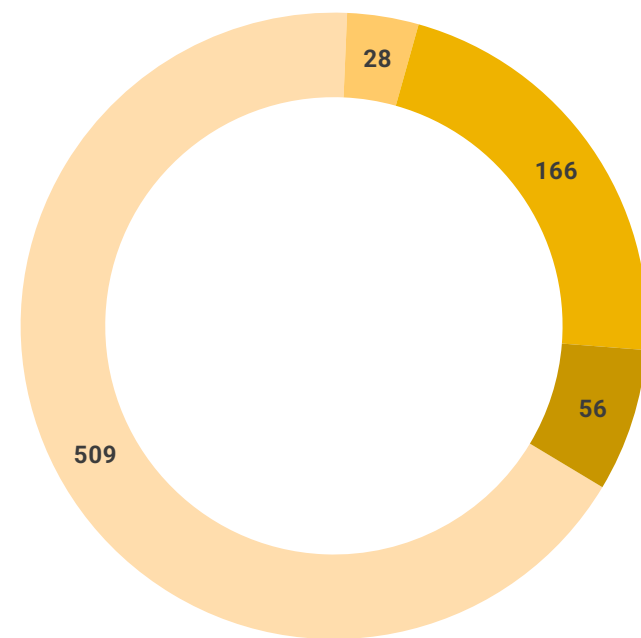
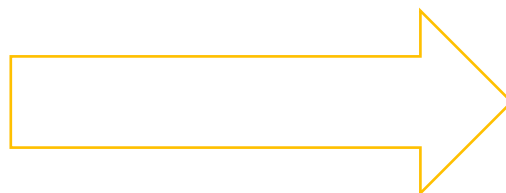
NUMBER OF ASSETS

BY ASSET CLASS



■ Therapeutics ■ Diagnostics ■ Medical Devices ■ Technologies

THERAPEUTICS IN DEVELOPMENT BY DEVELOPMENT PHASE

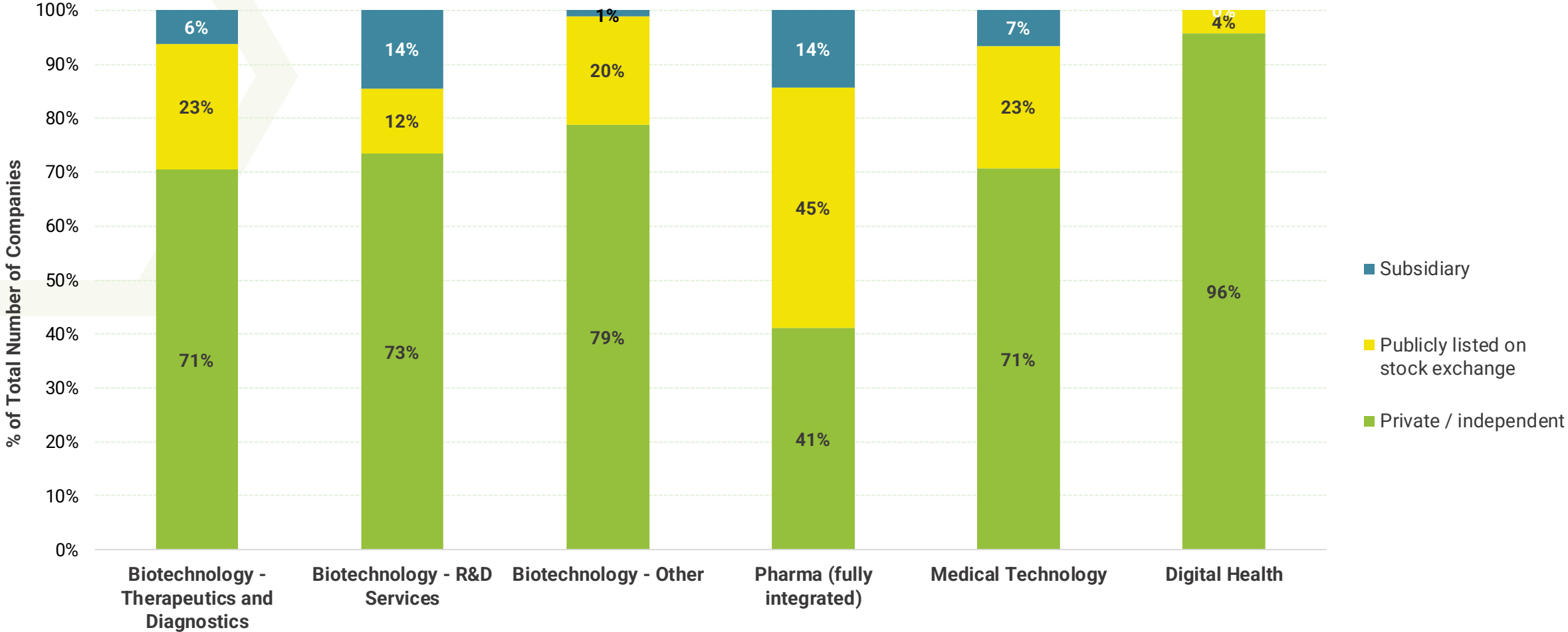


■ Preclinical ■ Phase I ■ Phase II ■ Phase III

The graph titled Therapeutics in Development by Development Phase displays a subset of the asset class Therapeutics. Products in Discovery and Lead Optimization Phase are merged into Preclinical; Development Phase I/II trials are merged into Phase II and Phase II/III trials are merged into Phase III category.

OVERVIEW OF OWNERSHIP

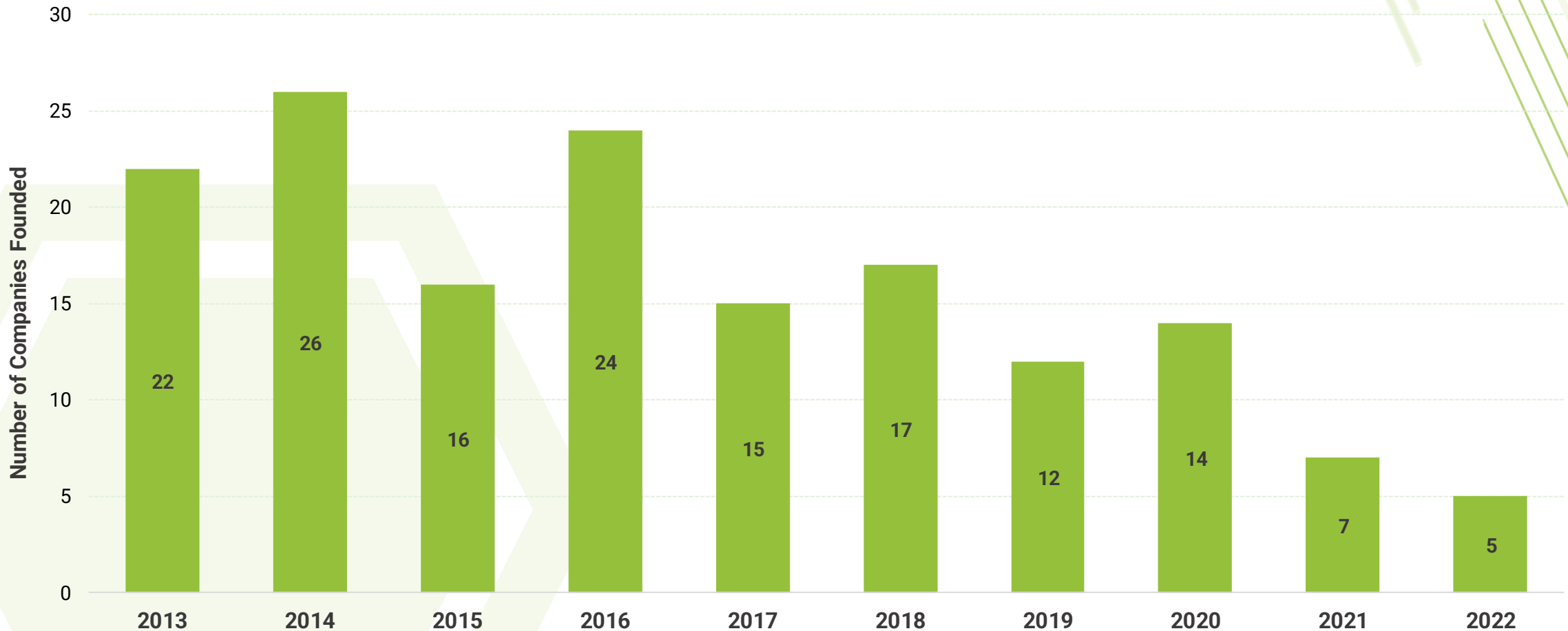
PERCENTAGE OF TOTAL NUMBER OF COMPANIES BY OWNERSHIP AND SECTOR



For the definition of categories please visit www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html. Percentage value is expressed as % of total number of companies in the sector. Information displayed may alter as new information is received continuously.

COMPANY FOUNDATION TIMELINE

NUMBER OF LIFE SCIENCE COMPANIES FOUNDED BY YEAR | 2013-2022



The graph contains the number of privately owned or publicly listed (no subsidiaries) life science companies founded by year including Biotech - Therapeutic and Diagnostic, Biotech - R&D Services, Biotech - Others, Pharma, Medical Technology and Digital Health companies. **Companies founded in 2023 were excluded** since newly founded companies often remain under the radar until their first financing round. Information displayed in the chart may alter as new information is received continuously.

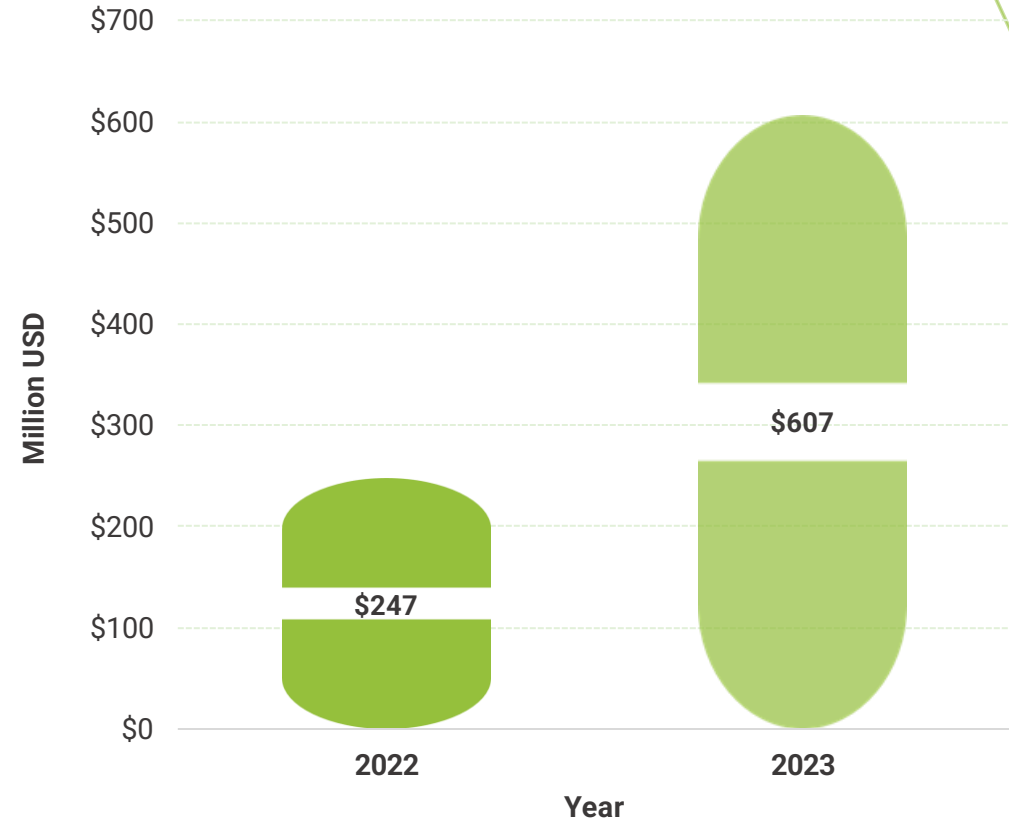
VENTURE FINANCING OF LIFE SCIENCE COMPANIES

PRIVATE EQUITY AND PUBLIC FINANCING ROUNDS | 2022-2023

PRIVATE EQUITY



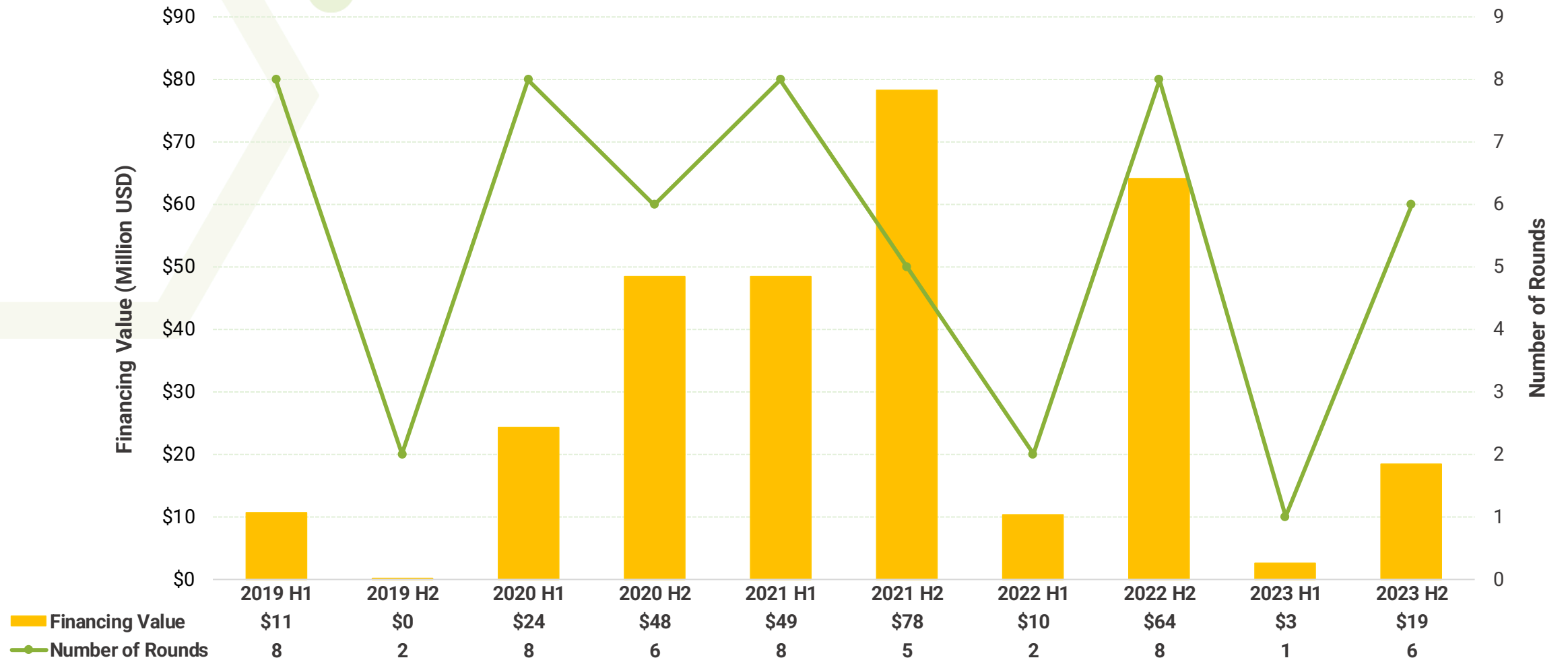
PUBLIC FINANCING



Life Science companies include Biotech - Therapeutics and Diagnostics, Biotech - R&D Services, Biotech - Others, Pharma, Medical Technology and Digital Health companies. Public financing includes IPO, Post-IPO and Grants. Financing data only includes private equity rounds (excl. private placements in public companies). Data may alter as new information is continuously received and/or new tranches to existing financing rounds are added.

LIFE SCIENCE VENTURE FINANCING






PRIVATE EQUITY ROUNDS – 5 YEAR REPORT



Life Science companies include Biotech - Therapeutics and Diagnostics, Biotech - R&D Services, Biotech – Others, Pharma, Medical Technology and Digital Health companies. Financing data only includes private equity rounds (excl. private placements in public companies) of life sciences companies. Data may alter as new information is continuously received and/or new tranches to existing financing rounds are added.

MAJOR LIFE SCIENCE VENTURE FINANCING ROUNDS (2023)

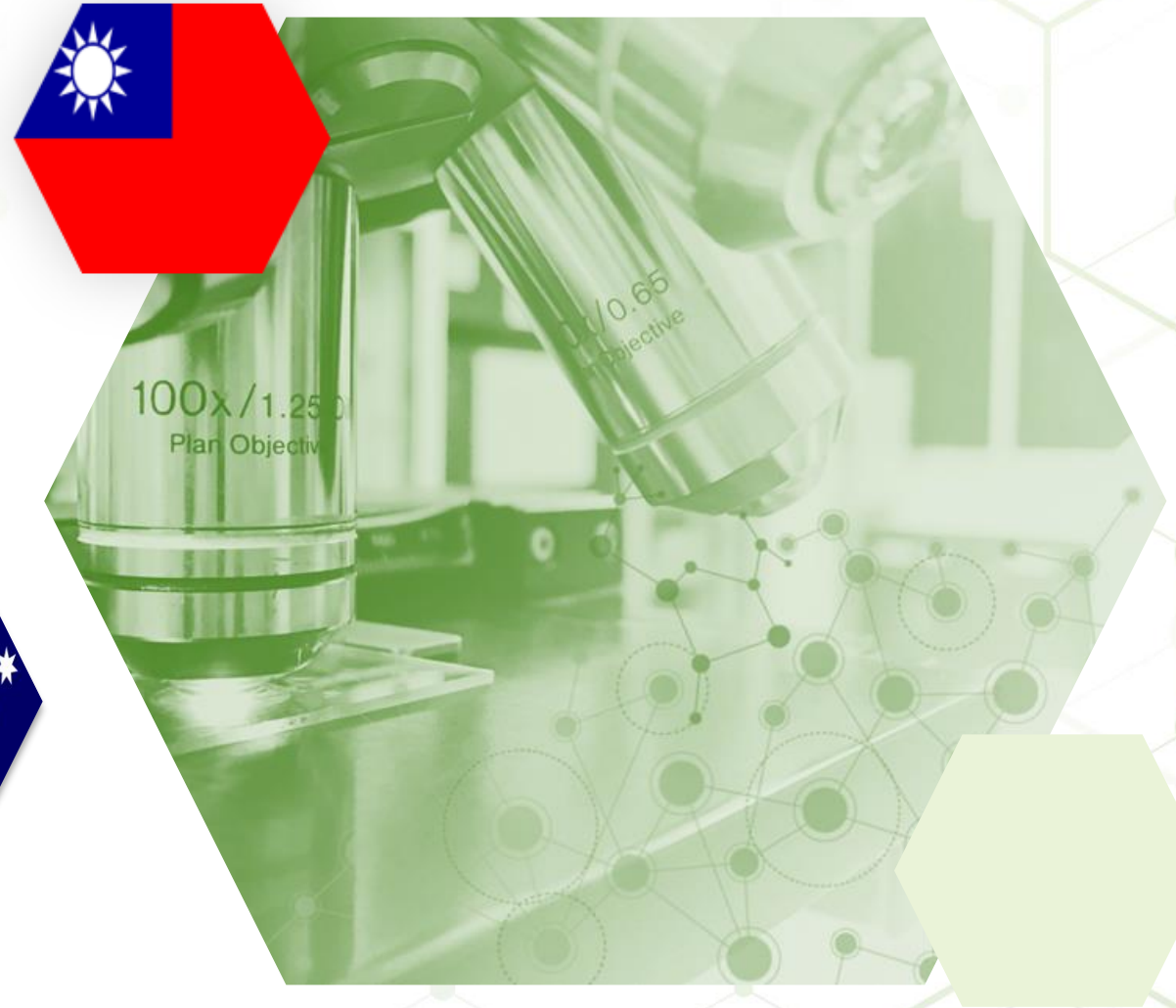
TOP 5 PRIVATE EQUITY FINANCING ROUNDS | 2023

Company	Sector	Type of Round	USD M
 SYNCELL	Medical Technology	Unknown	\$8
 Taiwan Main Orthopaedic Biotechnology Co., Ltd.	Medical Technology	Series A	\$6.5
 Primo Biotechnology	Medical Technology	Seed	\$4
 Acrocyte Therapeutics	Biotech – R&D	Unknown	NA
 H2U Corporation	Digital Health	Unknown	NA

The table shows the five biggest private equity financing rounds (excl. IPOs, research grants, loans) of private and independent life science companies in 2023. Life Science companies include Biotech - Therapeutics and Diagnostics, Biotech - R&D Services, Biotech – Others, Pharma, Medical Technology and Digital Health companies. Information displayed in the table may alter as new information is continuously received and/or new tranches to existing financing rounds are added.

BENCHMARK: COMPARISON BETWEEN TAIWAN AND APAC COUNTRIES

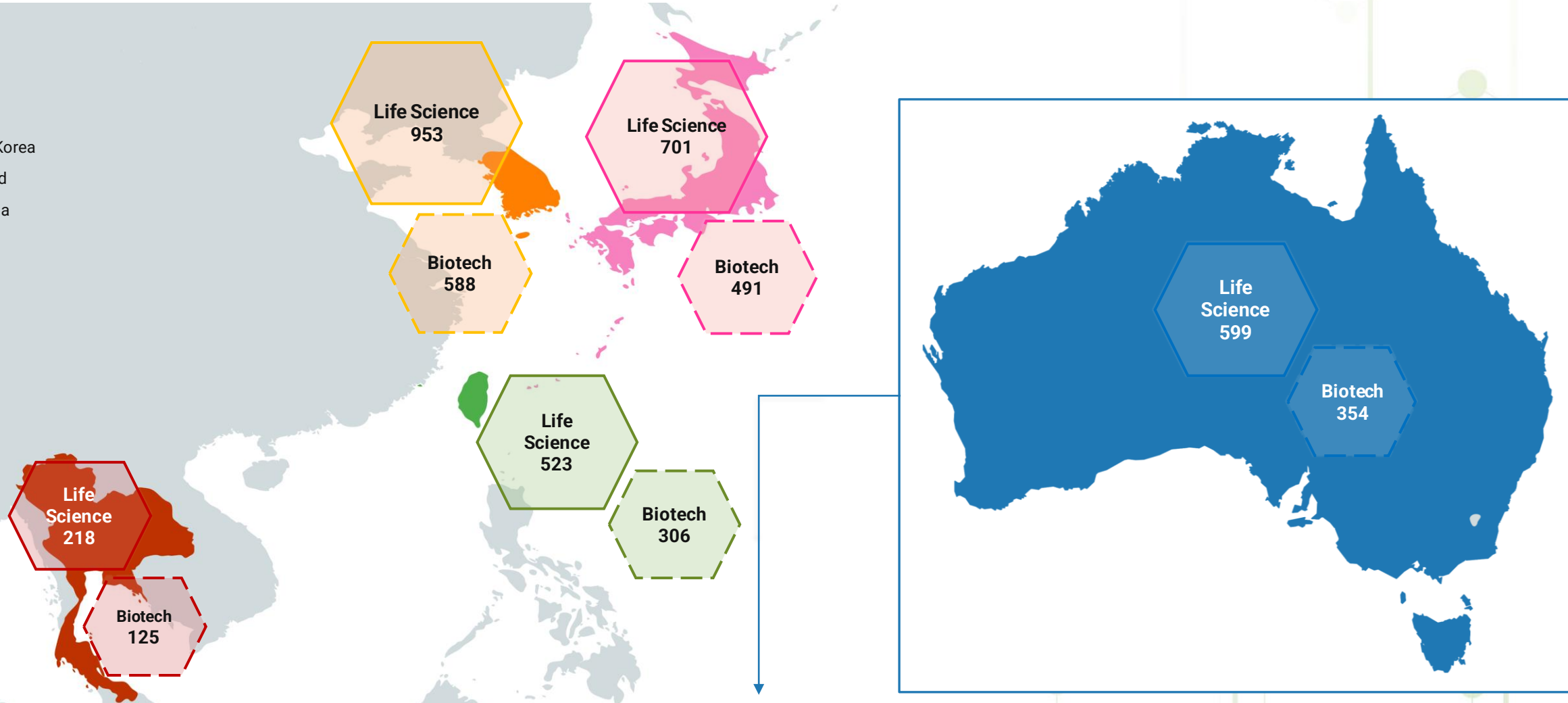
TAIWAN | JAPAN | SOUTH KOREA |
THAILAND | AUSTRALIA



OVERVIEW OF LIFE SCIENCE COMPANIES

NUMBER OF COMPANIES BY COUNTRY

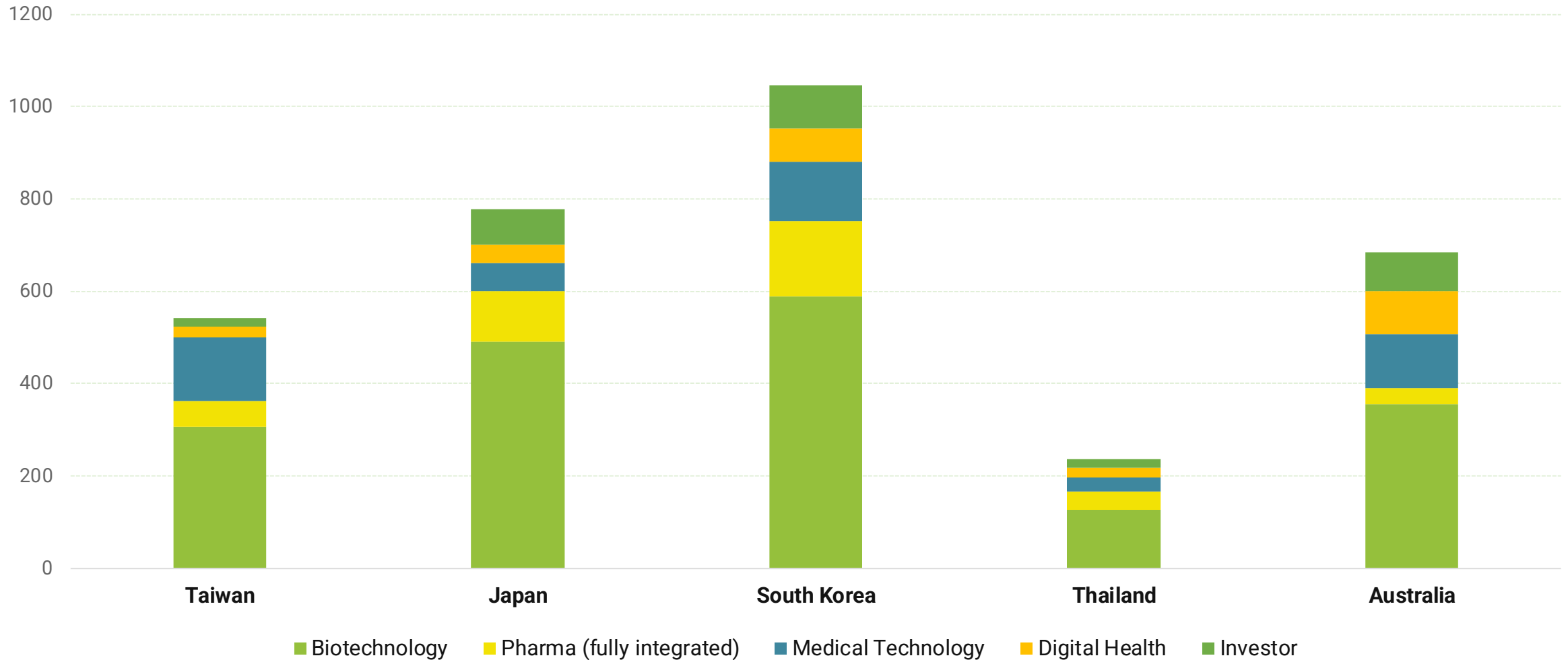
- Taiwan
- Japan
- South Korea
- Thailand
- Australia



For the definition of categories please visit www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html. Life Science Companies include Biotech, Medical Technology, Pharma (fully integrated) and Digital Health. Biotech Companies include the following categories Biotechnology – Therapeutics and Diagnostics; Biotechnology – R&D; Biotechnology – Other. Information displayed may alter as new information is received continuously.

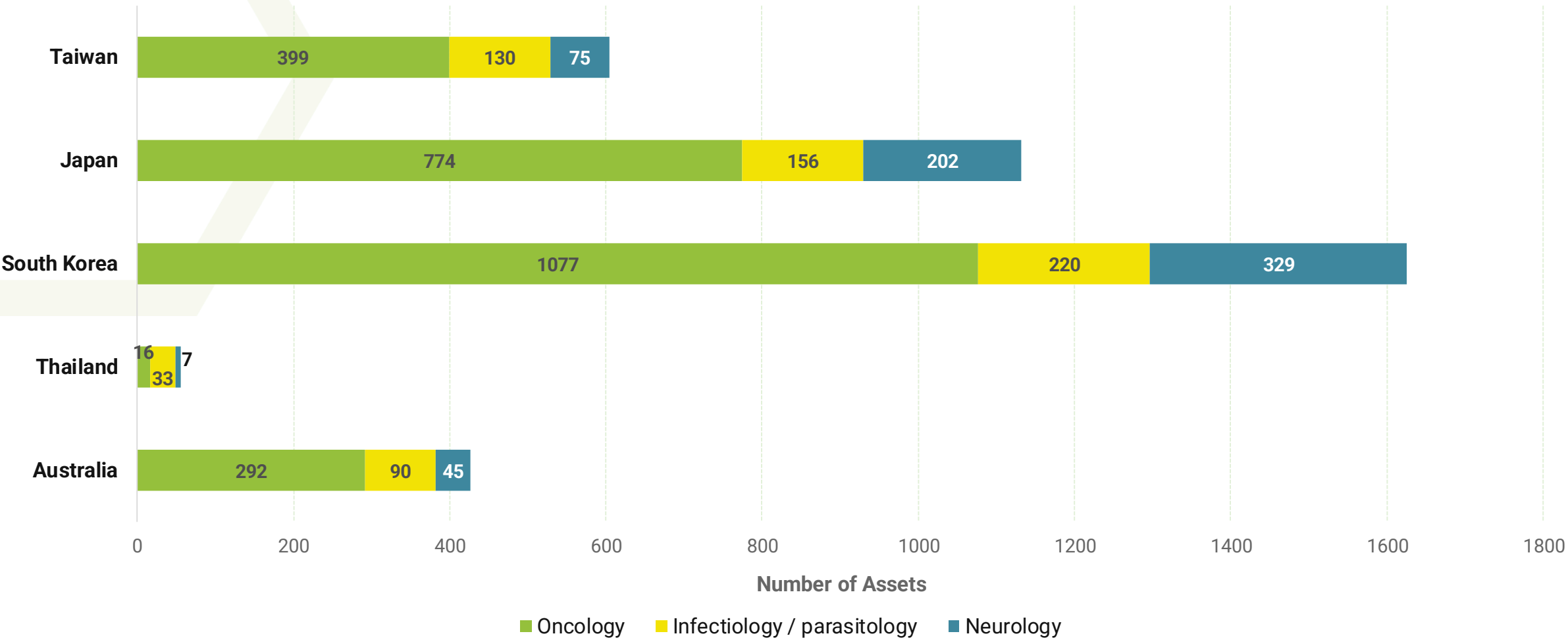
OVERVIEW OF LIFE SCIENCE COMPANIES

NUMBER OF COMPANIES BY COUNTRY AND SECTOR



BIOTECH ASSETS IN CLINICAL DEVELOPMENT

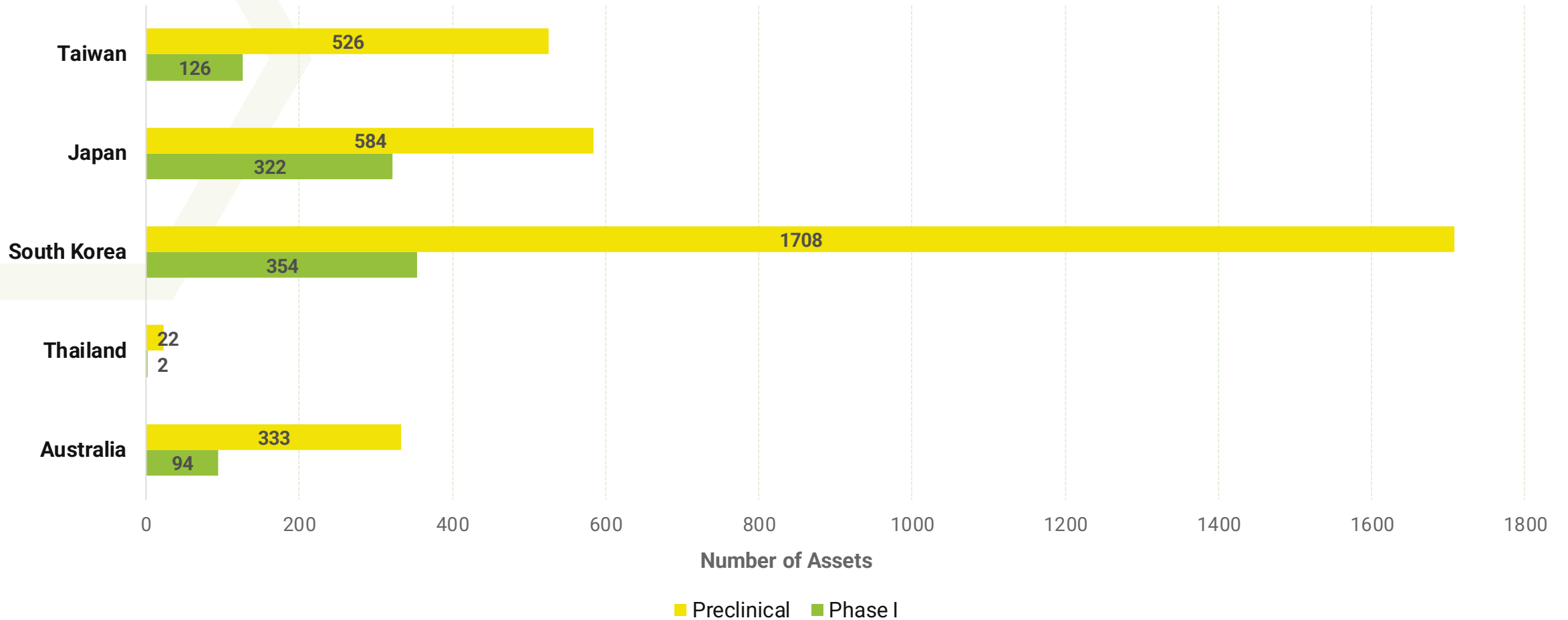
BREAKDOWN BY TOP THREE INDICATIONS



The graph contains the number of assets of Biotech – Therapeutics and Diagnostics companies (excl. of Pharma or Biotech – Others or Biotech – R&D Services companies). The top three indications shown are Oncology, Infectiology/parasitology, and Neurology.

THERAPEUTICS BY DEVELOPMENT PHASE

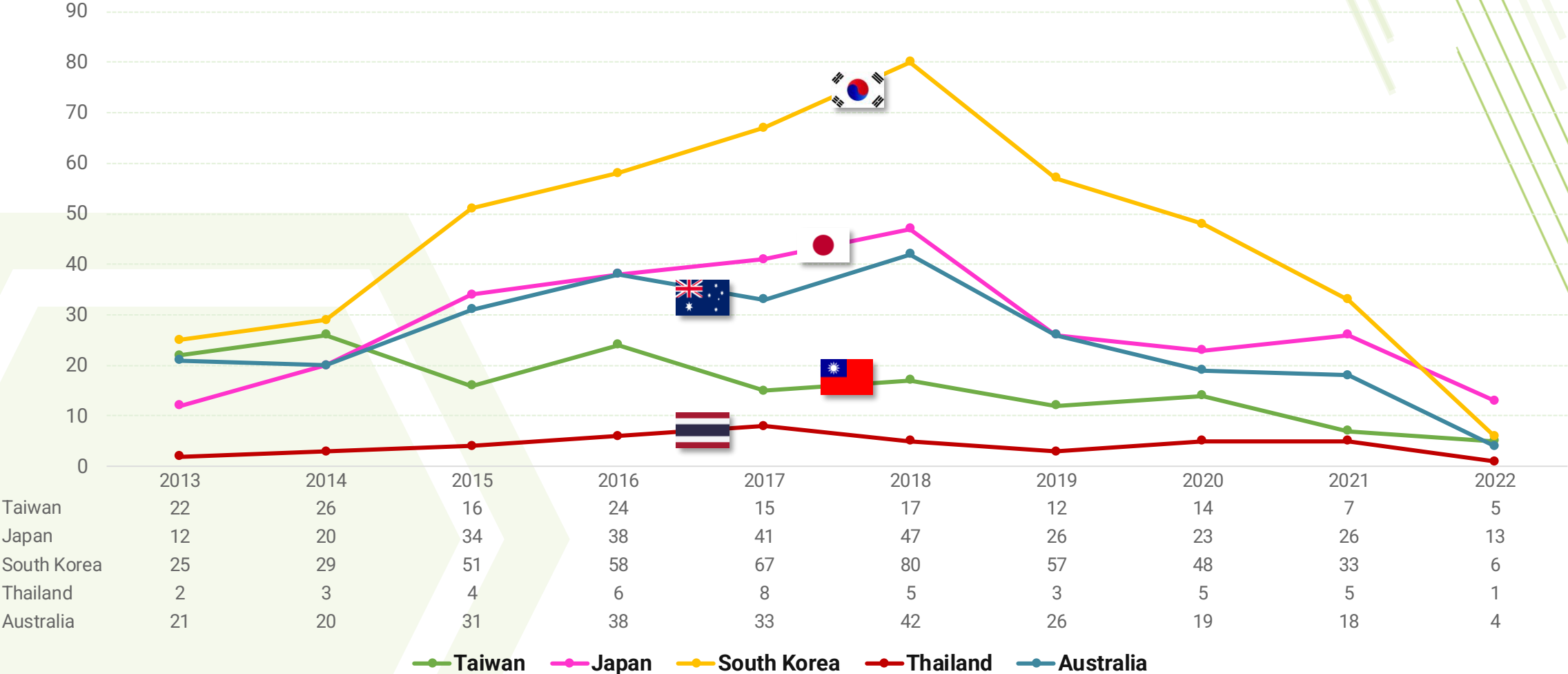
PRECLINICAL AND PHASE I



The graph contains the number of assets of Biotech – Therapeutics and Diagnostics companies (excl. of Pharma or Biotech – Others or Biotech R&D Services companies). Products in Discovery and Lead Optimization Phase are merged into Preclinical. Information displayed in the chart may alter as new information is received continuously.

COMPANY FOUNDATION TIMELINE

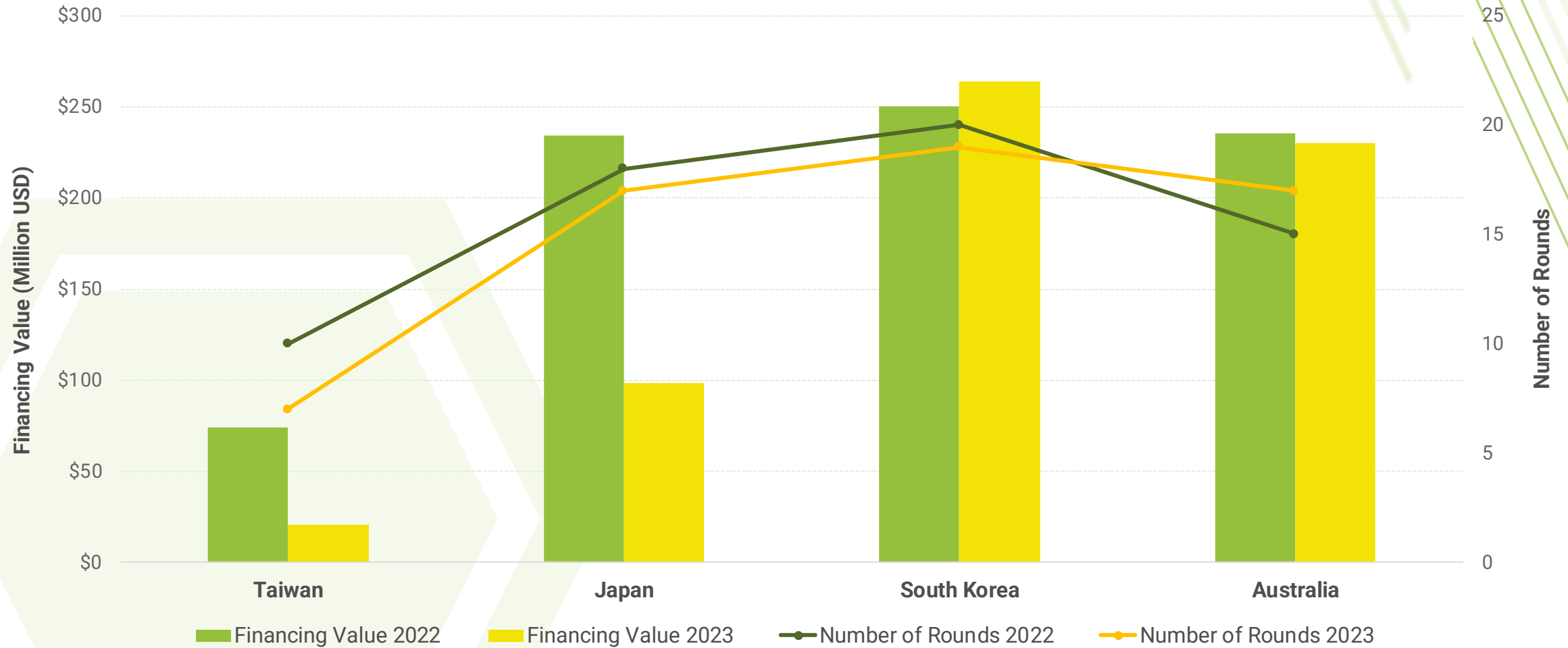
NUMBER OF LIFE SCIENCE COMPANIES FOUNDED BY YEAR | 2013-2022



The graph contains the number of privately owned or publicly listed (no subsidiaries) life science companies founded by year including Biotech - Therapeutic and Diagnostic, Biotech - R&D Services, Biotech - Others, Pharma, Medical Technology and Digital Health companies. **Companies founded in 2023 were excluded** since newly founded companies often remain under the radar until their first financing round. Information displayed in the chart may alter as new information is received continuously.

VENTURE FINANCING OF LIFE SCIENCE COMPANIES

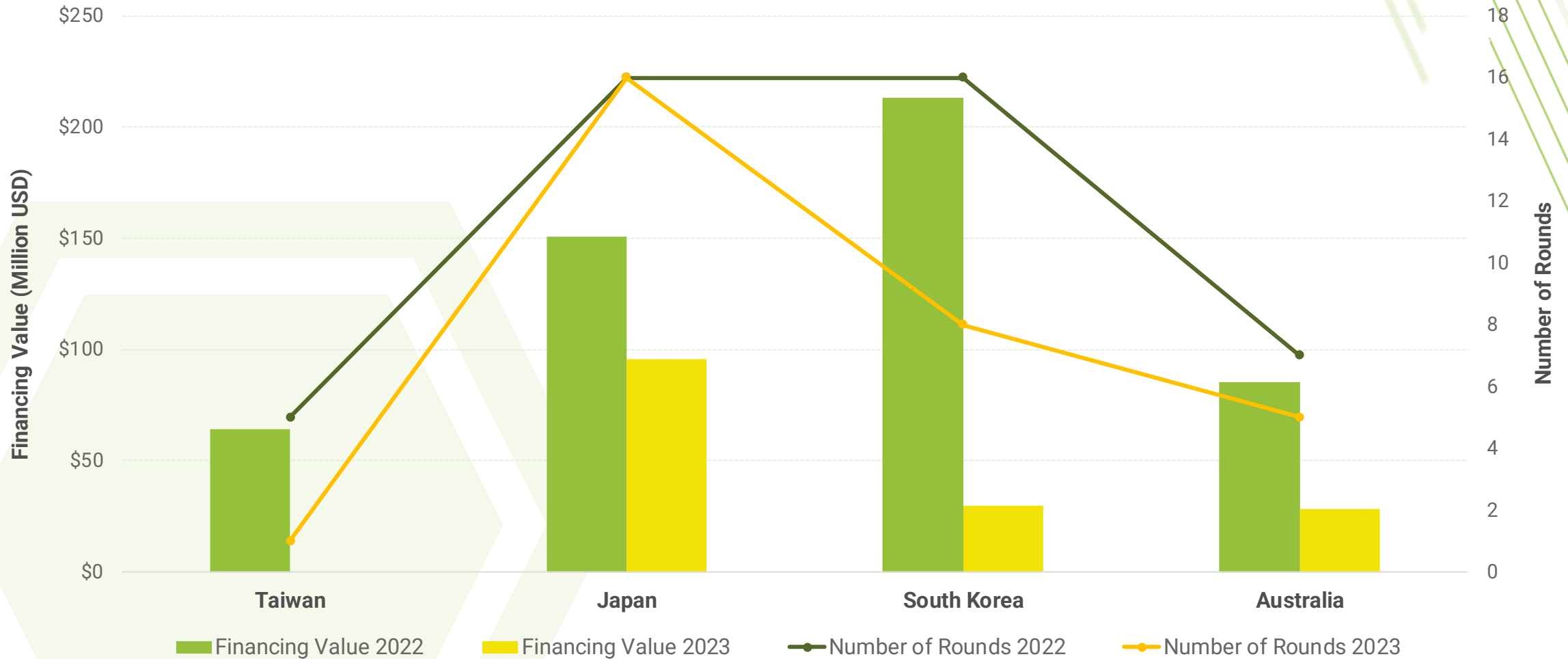
PRIVATE EQUITY ROUNDS OF LIFE SCIENCE COMPANIES | 2022-2023



Life Science companies include Biotech - Therapeutics and Diagnostics, Biotech - R&D Services, Biotech - Others, Pharma, Medical Technology and Digital Health companies. Financing data only includes private equity rounds (excl. private placements in public companies). Thailand is omitted as there was no significant financing round found in the time frame. Data may alter as new information is continuously received and/or new tranches to existing financing rounds are added.

VENTURE FINANCING OF BIOTECH COMPANIES

PRIVATE EQUITY ROUNDS OF BIOTECH COMPANIES | 2022-2023



Biotech companies are a subset of Life Science companies and include: Biotech - Therapeutics and Diagnostics, Biotech - R&D Services, Biotech - Others. Financing data only includes private equity rounds (excl. private placements in public companies). Thailand is omitted as there was no significant financing round found in the time frame. Data may alter as new information is continuously received and/or new tranches to existing financing rounds are added.

MAJOR LIFE SCIENCE VENTURE FINANCING ROUNDS (2023)

TOP PRIVATE EQUITY FINANCING ROUNDS | 2023

Company	Sector	Type of Round	USD M	Country
1. Lunit Inc.	Medical Technology	Unknown	\$160	South Korea
2. Saluda Medical Pty Limited	Medical Technology	Unknown	\$150	Australia
3. Cellusion Inc.	Biotech – Therapeutics	Series C	\$20.4	Japan
4. NEUROPHET Inc.	Medical Technology	Series C	\$16.0	South Korea
5. Heartseed Inc	Biotech – Therapeutics	Series D	\$14.6	Japan
6. Mezoo Co., Ltd.	Medical Technology	Series B	\$14.4	South Korea
7. Caredoc	Digital Health	Series B	\$13.6	South Korea
8. Metagen Therapeutics, Inc.	Biotech – Therapeutics	Series A	\$12.2	Japan
9. Mindset Health Pty Ltd	Digital Health	Unknown	\$12.0	Australia
...
17. SYNCELL	Medical Technology	Unknown	\$8.0	Taiwan

The table shows the biggest private equity financing rounds (excl. IPOs, research grants, loans) of private and independent life sciences companies in 2023. Life Science companies include Biotech - Therapeutics and Diagnostics, Biotech - R&D Services, Biotech – Others, Pharma, Medical Technology and Digital Health companies. Information displayed in the table may alter as new information is continuously received and/or new tranches to existing financing rounds are added.

ABOUT BIOTECHGATE



Biotechgate is a leading **business development and licensing database** for the entire life science industry, offering a wealth of information on over 60,000 life science company profiles. Thanks to its unique data sourcing process, the profiles include company descriptions, contact information, product pipeline information, financing rounds, and management details, making it an invaluable resource for big pharma, start-ups, investors, and other industry professionals. Biotechgate also features 44,000 **licensing deals** and a **clinical trials database** containing over 840,000 records from registries around the world.

To register for a free trial access or to learn more about the different subscription options, please visit www.biotechgate.com.

BIOTECHGATE DIGITAL PARTNERING

Virtual business development & licensing event
May 13 – 17, 2024



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