

# LIFE SCIENCE TREND ANALYSIS

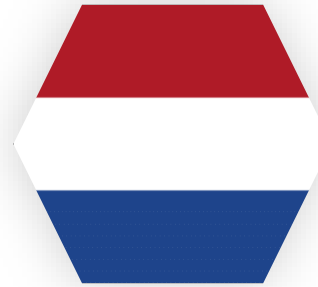
NETHERLANDS | 2024



VENTURE VALUATION  
GLOBAL VALUATION SERVICES

**hollandbio**

MARCH 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](http://www.biotechgate.com)



The Dutch Life Sciences Database is a part of the global Biotechgate and is brought to you in partnership with **hollandbio**.

[www.dutchlifescience.com](http://www.dutchlifescience.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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# OUR PARTNER

## hollandbio

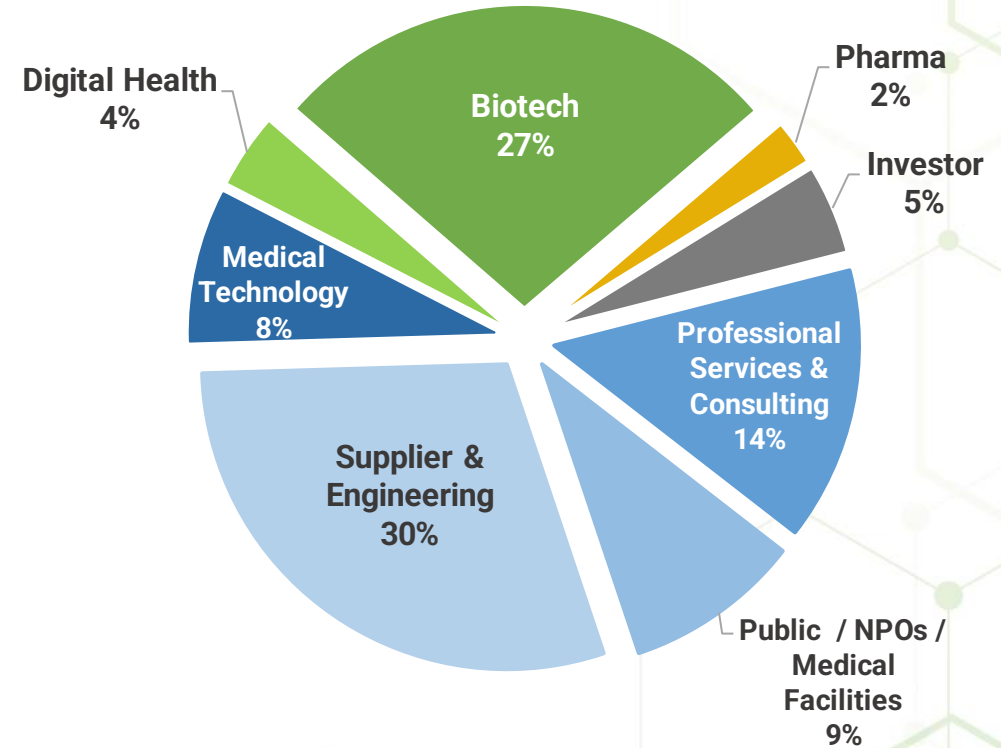
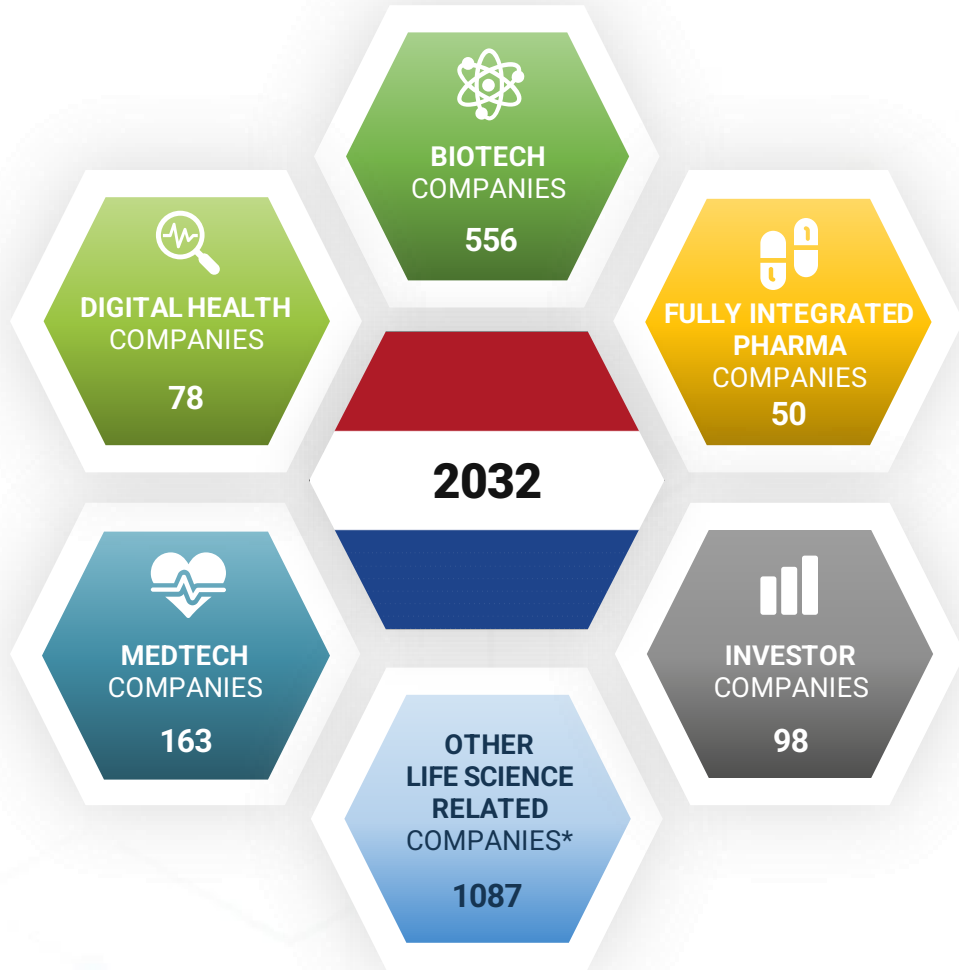
**Hollandbio** connects, supports, and represents over 280 medical, agro-food, and industrial biotech companies. Their members are active in all phases of research and development and include all company sizes: start-ups, SMEs, listed companies and multinationals.

Together, they strive for a society taking full advantage of the power of biotechnology in health, food and sustainability.

Explore the [hollandbio life Science Database](#) run by Biotechgate, which shows the Netherland's vibrant, dense biotechnology cluster of over 2000 life sciences companies and research organizations, all within a 120-mile radius.

# OVERVIEW OF THE LIFE SCIENCE INDUSTRY

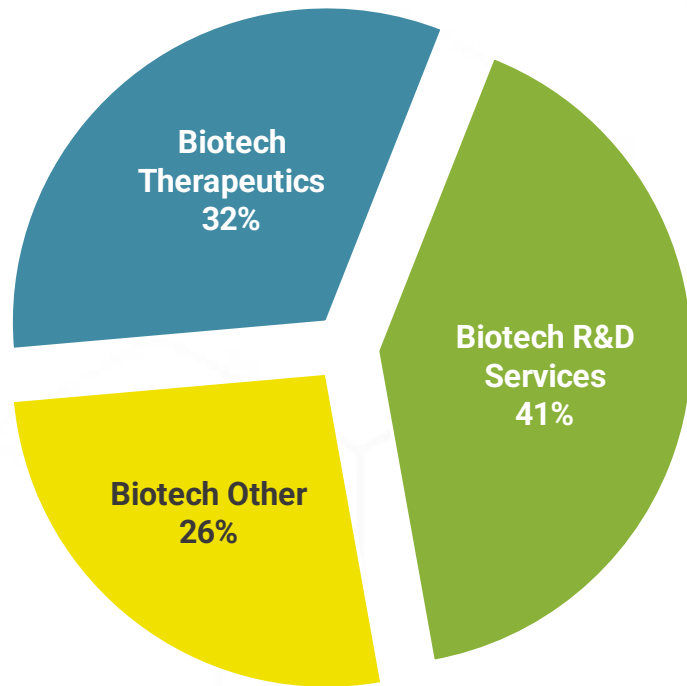
## NUMBER OF COMPANIES BY SECTOR



For the definition of categories please visit [www.biotechgate.com/web/cms/index.php/covered\\_industry\\_sectors.html](http://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 2 companies of the category "Media". Percentage value is expressed as % of total number of companies. Information displayed may alter as new information is received continuously

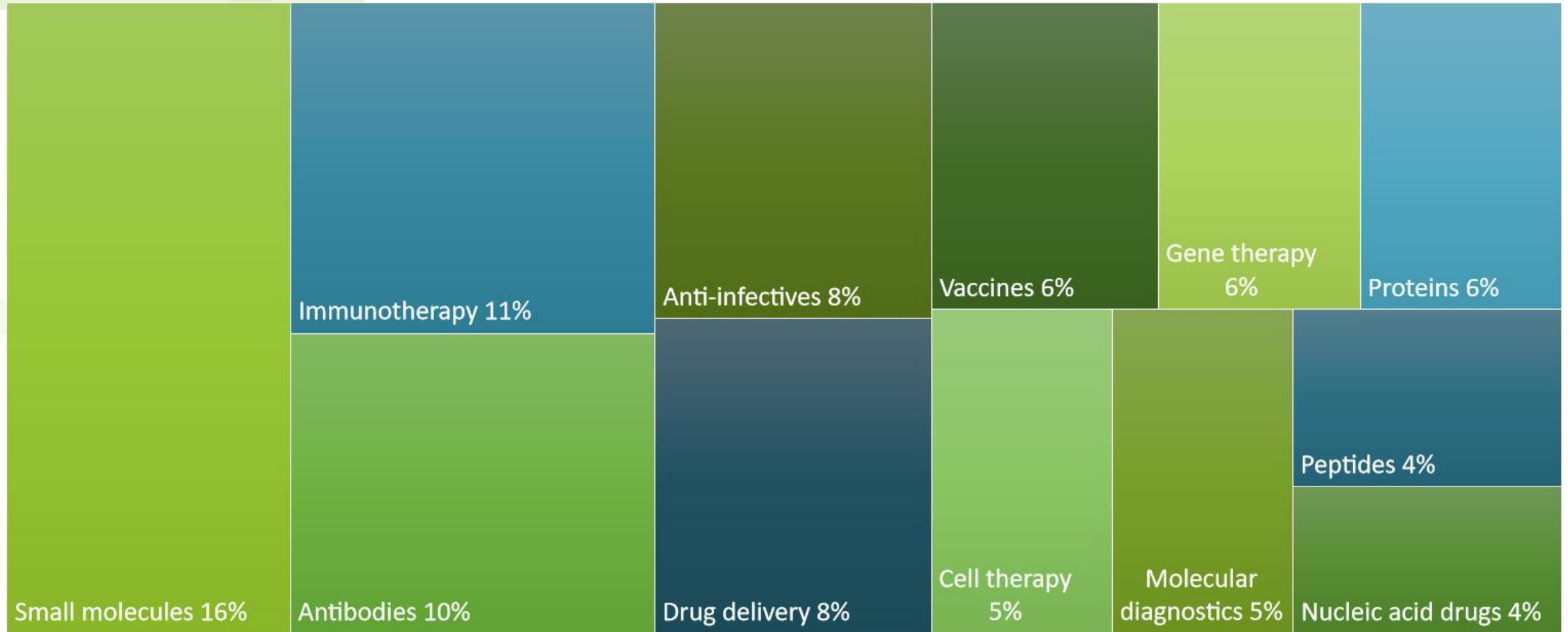
# OVERVIEW OF BIOTECH COMPANIES

## NUMBER OF COMPANIES BY SECTOR



# BIOTECH – THERAPEUTICS & DIAGNOSTICS COMPANIES BY KEY ACTIVITIES

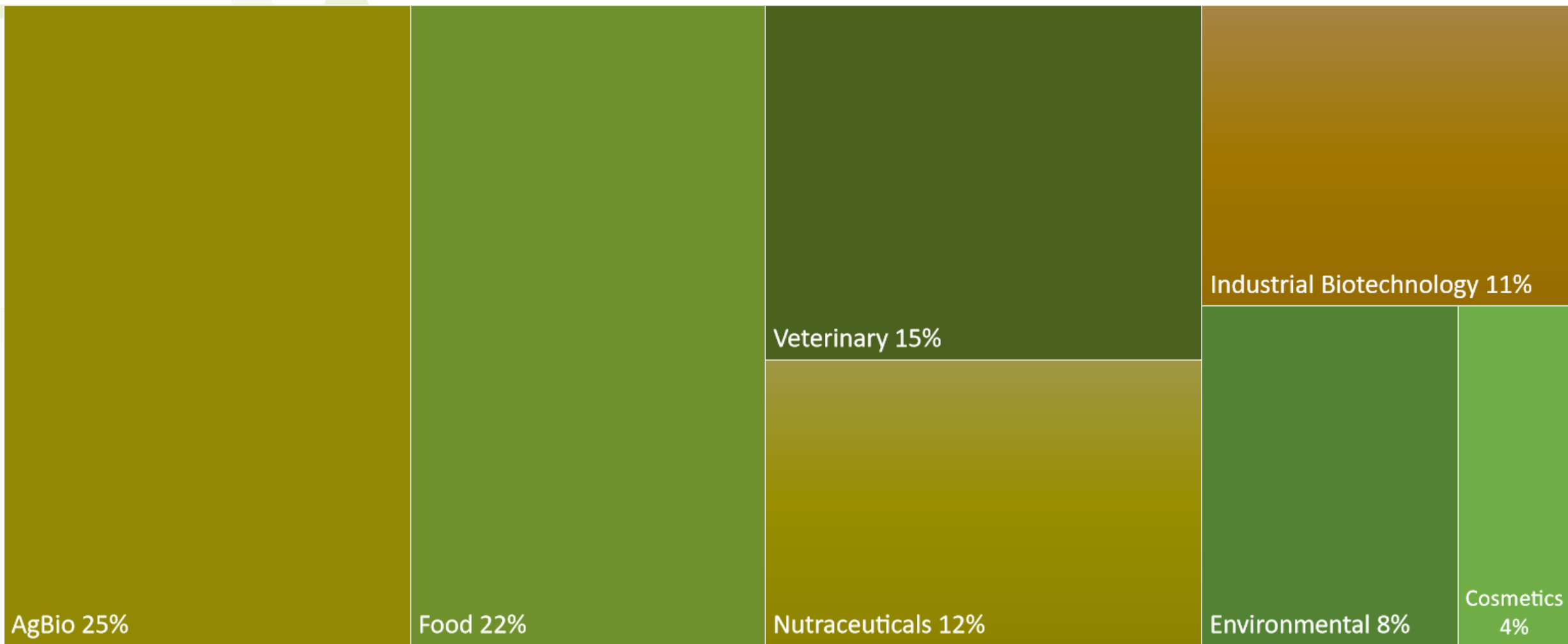
AS PERCENTAGE OF TOTAL NUMBER OF BIOTECH - THERAPEUTICS COMPANIES



For **180** Biotech Therapeutics companies there were **302** 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” or categories with a share of 2% or less. 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](http://www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html). Information displayed may alter as new information is received continuously.

# BIOTECH - OTHER COMPANIES BY KEY ACTIVITIES

AS PERCENTAGE OF TOTAL NUMBER OF BIOTECH - OTHER COMPANIES

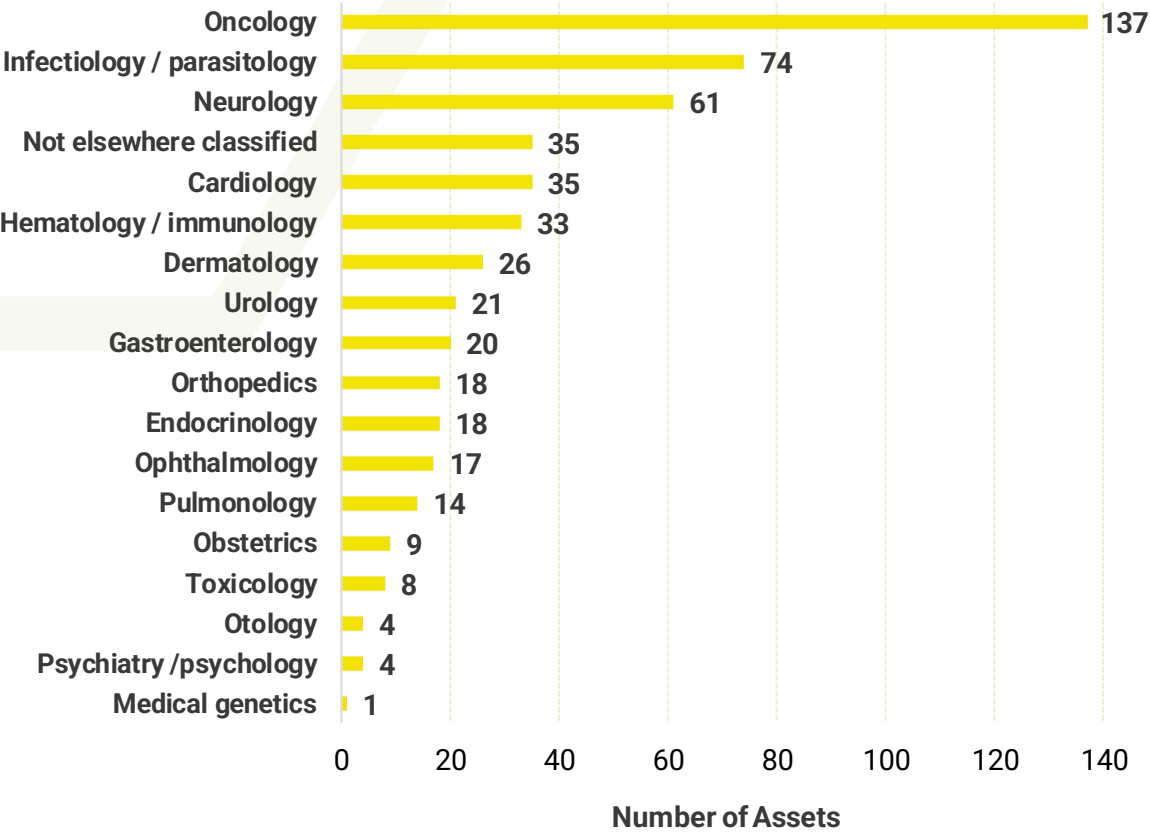


For 147 Biotech - Other companies there were 218 subsectors (key activity areas) assigned (one biotech company can be active in multiple areas). The graph displays Biotech - Other subsectors as the percentage of the total number of Biotech - Other subsectors with exclusion of the category Others. The 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](http://www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html). Information displayed may alter as new information is received continuously.

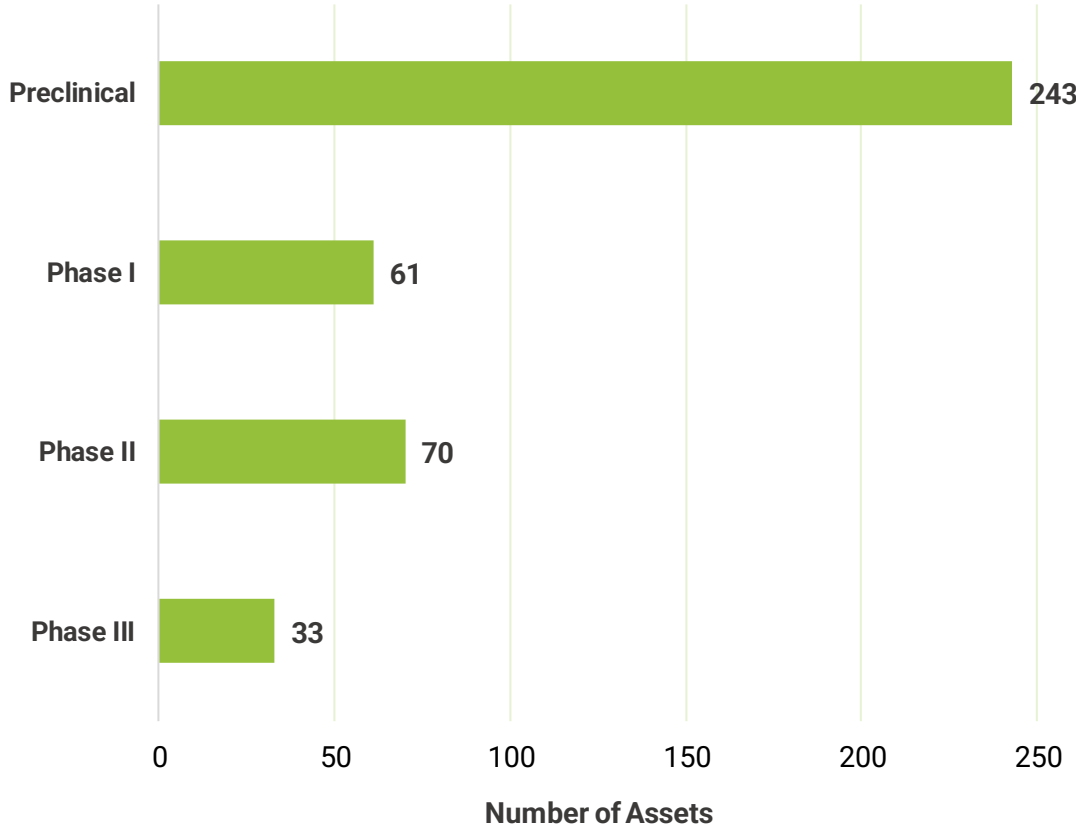
# BIOTECH ASSETS IN CLINICAL DEVELOPMENT

BY INDICATION AND DEVELOPMENT PHASE

BREAKDOWN BY INDICATION



BREAKDOWN BY DEVELOPMENT PHASE



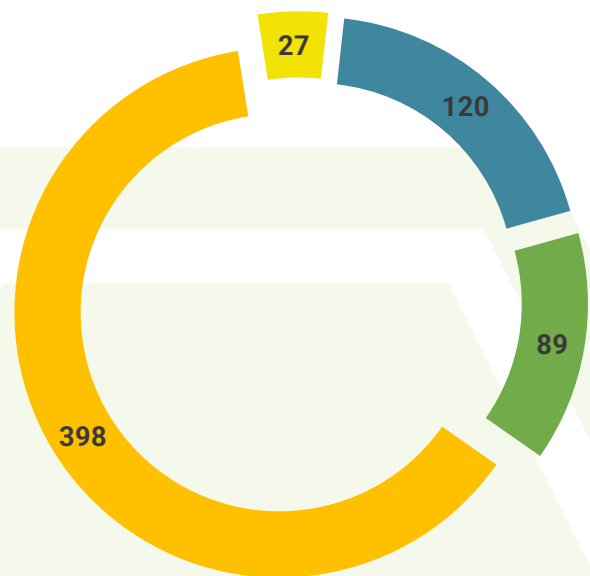
Both graphs contain the number of assets of Biotech – Therapeutics and Diagnostics companies (excl. Pharma or Biotech – Others or Biotech R&D Services companies). Products in Discovery and Lead Optimization Phase are merged into Preclinical; Development Phase I/II trials are merged into Phase II and 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

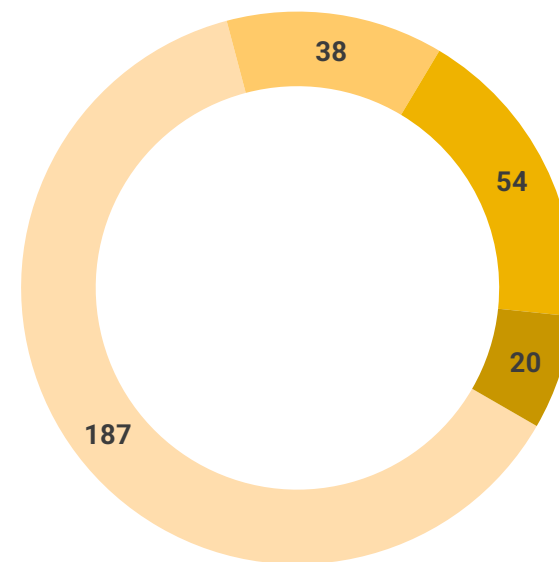
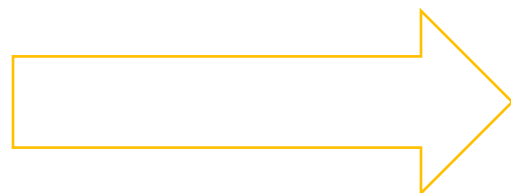
## NUMBER OF ASSETS

### BY ASSET CLASS



■ Therapeutics ■ Diagnostics ■ Medical Devices ■ Technologies

### THERAPEUTICS IN DEVELOPMENT BY DEVELOPMENT PHASE

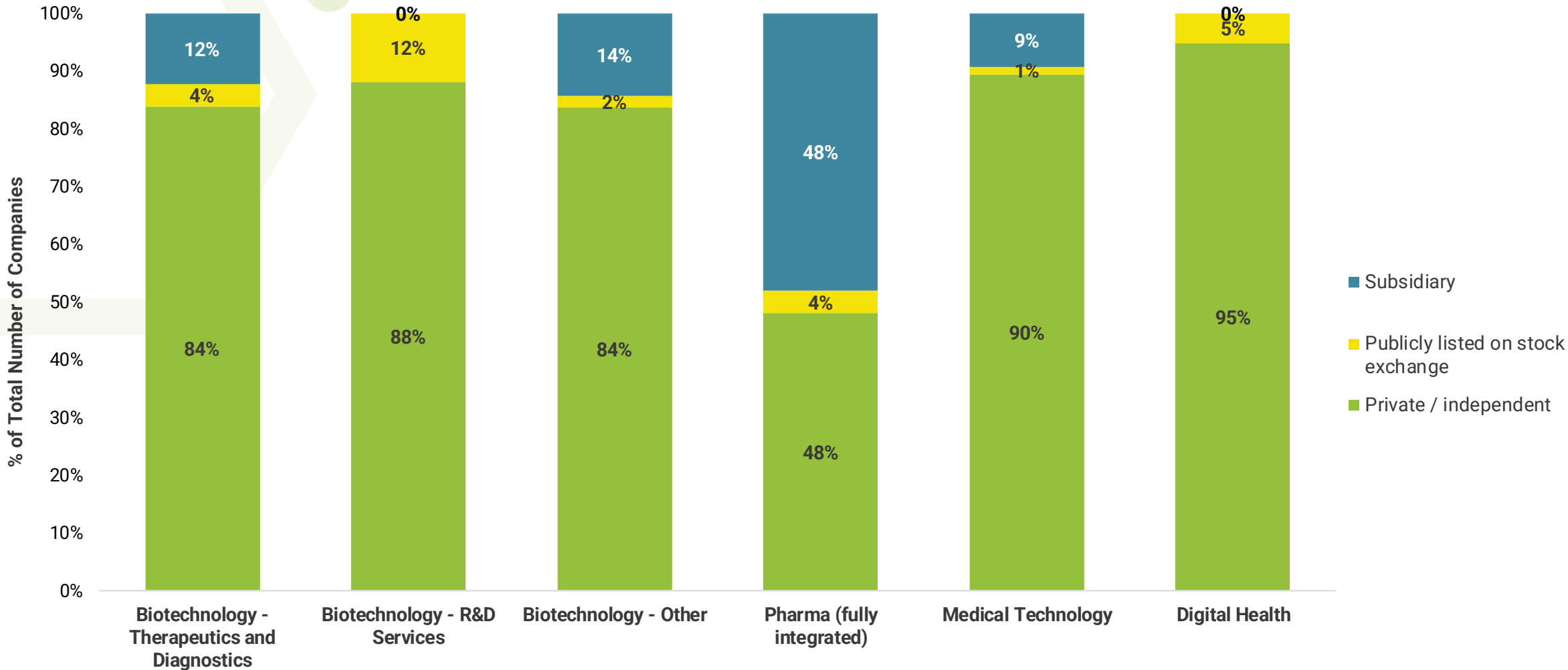


■ Preclinical ■ Phase I ■ Phase II ■ Phase III

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

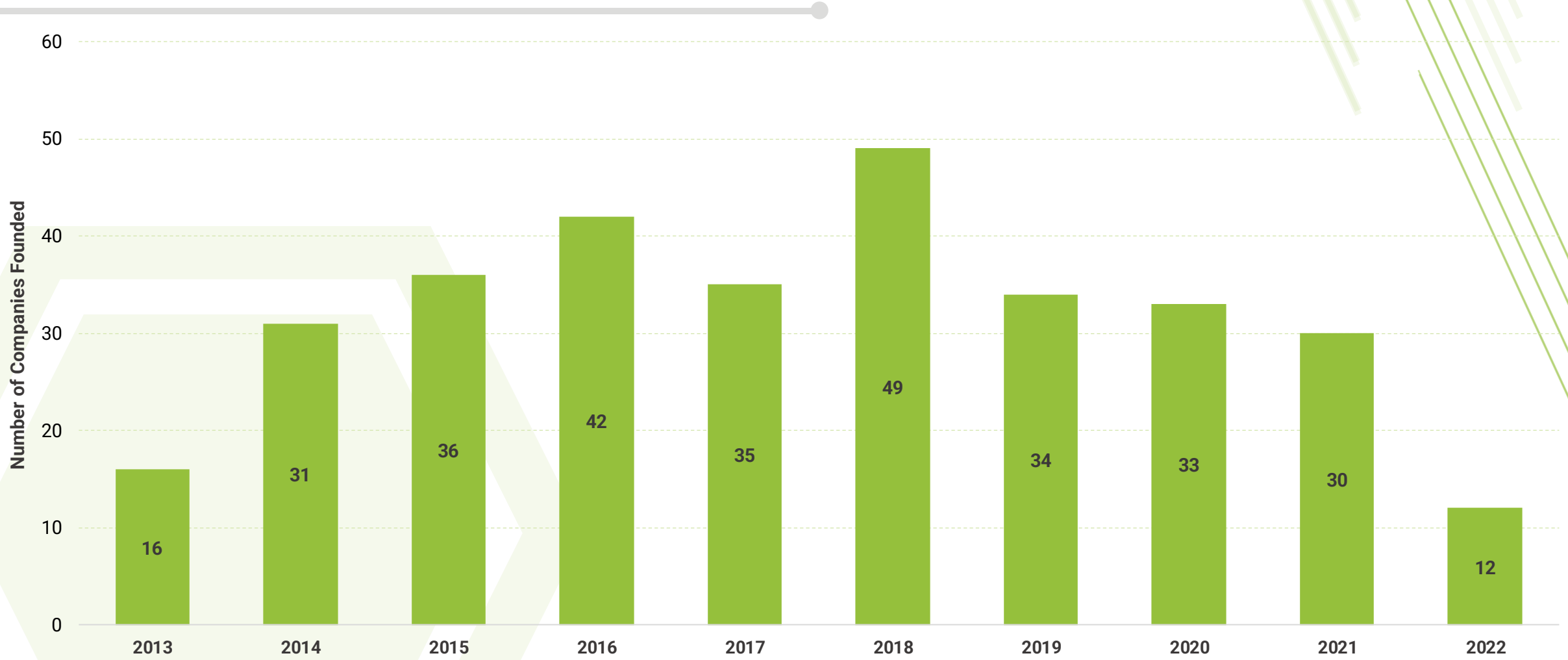
## PERCENTAGE OF TOTAL NUMBER OF COMPANIES BY OWNERSHIP AND SECTOR



For the definition of categories please visit [www.biotechgate.com/web/cms/index.php/covered\\_industry\\_sectors.html](http://www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html). Biotech T&D stands for Biotech Therapeutics and Diagnostics. 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

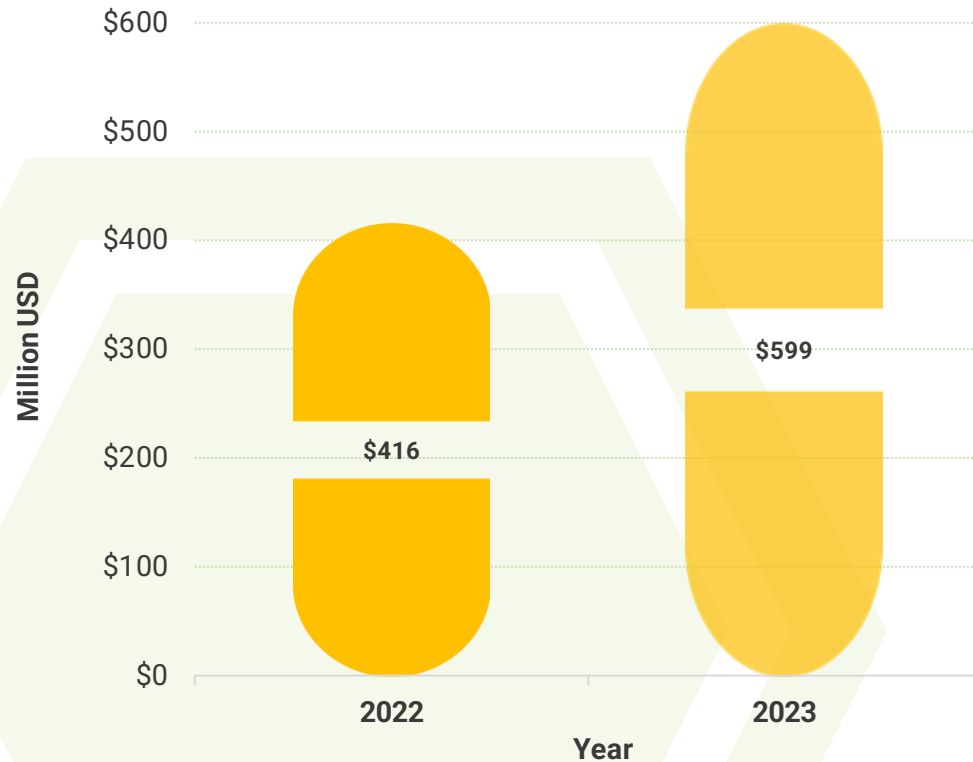


The graph contains the number of privately owned or publicly listed (no subsidiaries) life science companies founded by year including Biotech - Therapeutic and Diagnostic, Biotech - R&D Services, Biotech - Others, Pharma, Medical Technology and Digital Health companies. **Companies founded in 2023 were 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.

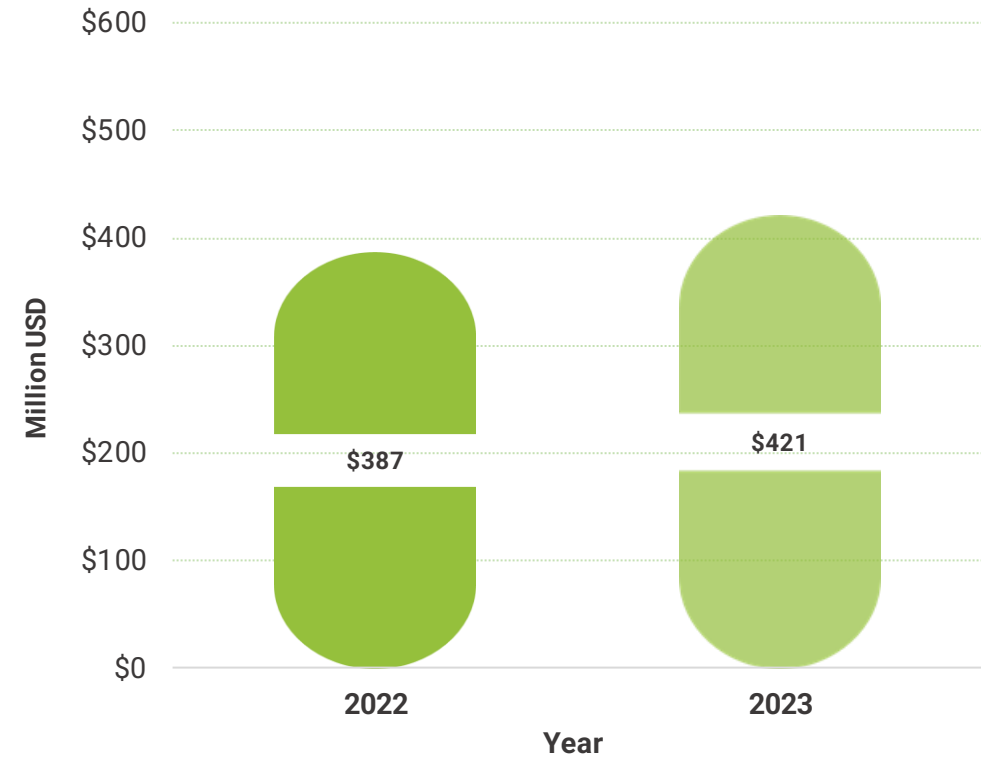
# VENTURE FINANCING OF LIFE SCIENCE COMPANIES

## PRIVATE EQUITY ROUNDS | 2022-2023

### LIFE SCIENCE COMPANIES



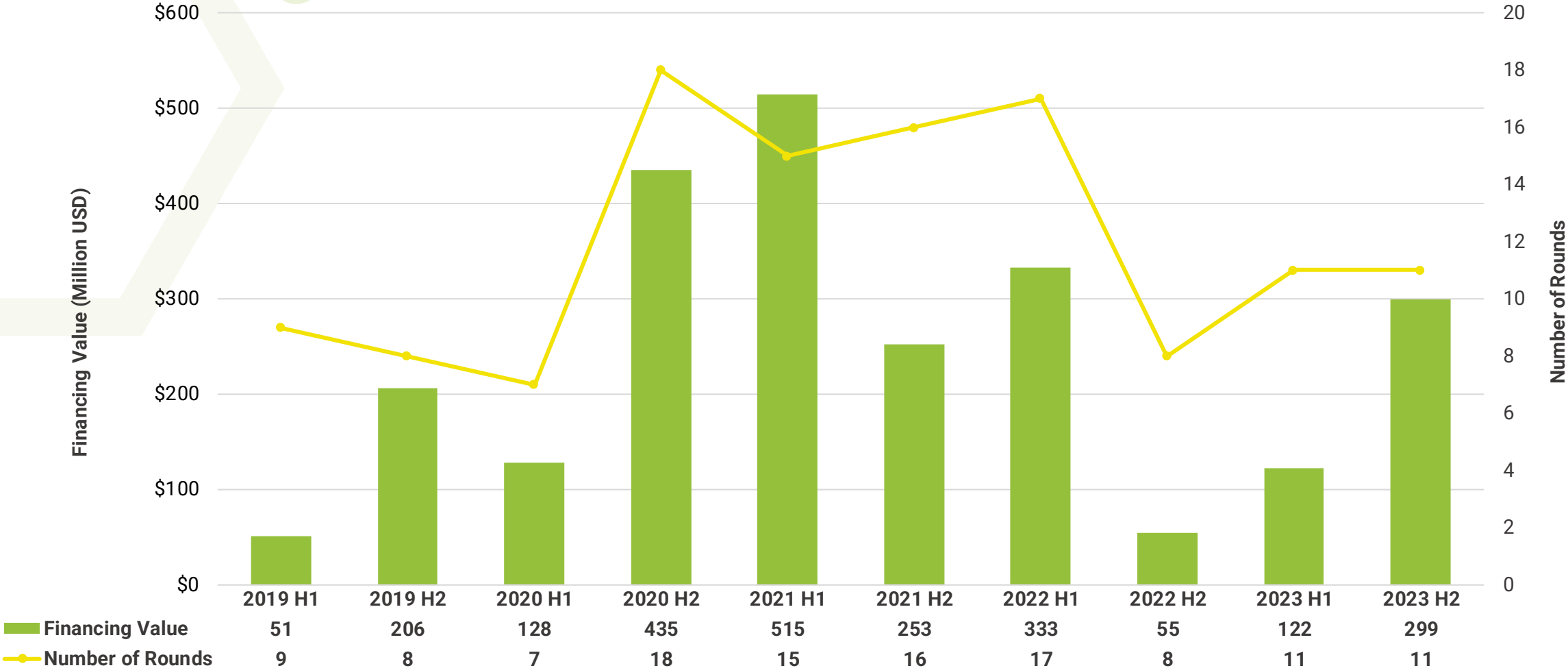
### BIOTECH COMPANIES



Life Science companies include Biotech - Therapeutics and Diagnostics, Biotech - R&D Services, Biotech - Others, Pharma, Medical Technology and Digital Health companies. 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). Data may alter as new information is continuously received and/or new tranches to existing financing rounds are added.

# BIOTECH VENTURE FINANCING

## PRIVATE EQUITY ROUNDS – 5 YEAR REPORT



Biotech companies are a subset of Life Science companies and include: Biotech- Therapeutic and Diagnostic, Biotech - R&D Services, Biotech – Others. Financing data only includes private equity rounds (excl. private placements in public companies) of biotech companies (incl. therapeutic and diagnostic, R&D services and others). Data may alter as new information is continuously received and/or new tranches to existing financing rounds are added.

# BIOTECH IPOs






## DUTCH BIOTECH COMPANIES THAT WENT PUBLIC WORLDWIDE | 2014-2023



Included are Biotech – Therapeutics and Diagnostics, Biotech – R&D Services, and Other Biotech companies.

# MAJOR BIOTECH VENTURE FINANCING ROUNDS (2023)

## TOP 5 DUTCH PRIVATE EQUITY FINANCING ROUNDS | 2023

Company	Sector	Type of Round	USD M
<b>VectorY Therapeutics</b> 	Biotech – Therapeutics	Series A	\$137
<b>Tagworks Pharmaceuticals BV</b> 	Biotech – Therapeutics	Series A	\$65
<b>KyNexis B.V.</b> 	Biotech - Therapeutics	Series A	\$57
<b>Meatable B.V.</b> 	Biotech – Other	Series B	\$35
<b>VarmX B.V.</b> 	Biotech – Therapeutics	Series B	\$33

The table shows the five biggest private equity financing rounds (excl. IPOs, research grants, loans) of private and independent biotech companies in the Netherlands in 2023. Information displayed in the table may alter as new information is continuously received and/or new tranches to existing financing rounds are added.

# MAJOR BIOTECH AND PHARMA M&A DEALS (2023)

## TOP 5 M&A DEALS | 2023

Acquired entity	Buyer	Phase of lead asset (of acquired entity)	USD M
Neogene Therapeutics, Inc. 	AstraZeneca PLC 	Phase I	\$320
Adare Biome 	Koninklijke DSM N.V. 	On the market	\$299
Xinvento BV 	Rhythm Pharmaceuticals Netherlands B.V. 	N/A	\$211
Synaffix BV 	Lonza Group Ltd 	N/A	\$172
Verogen, Inc. 	Qiagen NV 	N/A	\$150

The table shows the M&A deals of private and independent biotech and pharma companies in 2023. Information displayed in the table may alter as new information is continuously received and/or new tranches to existing financing rounds are added.



# BENCHMARK REPORT

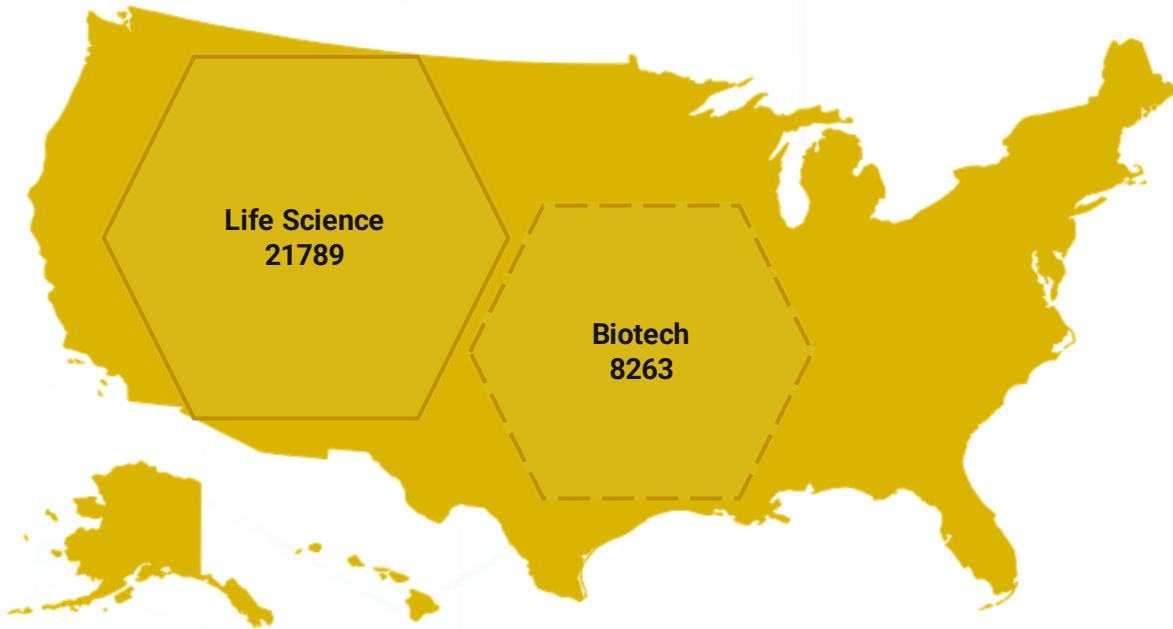
NETHERLANDS | FRANCE | GERMANY | UNITED KINGDOM | DENMARK | SWITZERLAND | USA



# OVERVIEW OF LIFE SCIENCE COMPANIES

## LIFE SCIENCE AND BIOTECH COMPANIES BY COUNTRY AND SECTOR

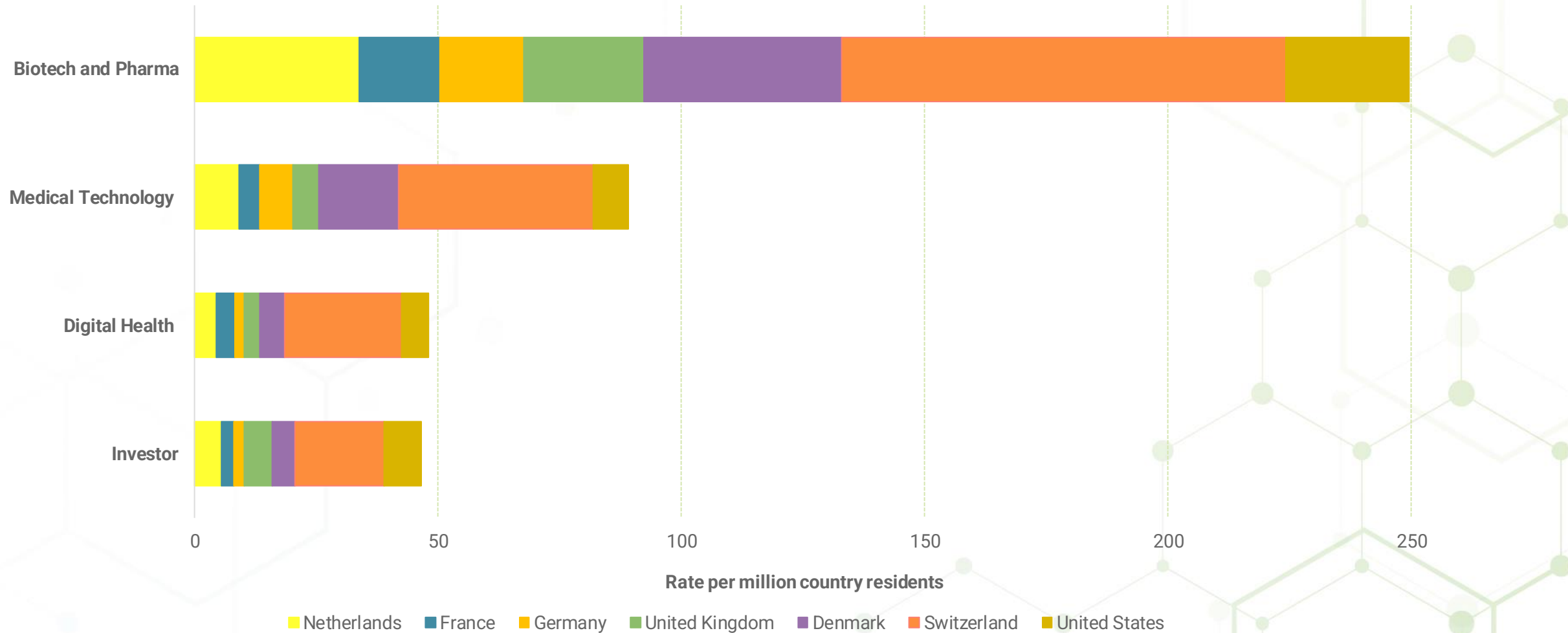
- ◆ USA
- ◆ Netherlands
- ◆ France
- ◆ Germany
- ◆ United Kingdom
- ◆ Denmark
- ◆ Switzerland



For the definition of categories please visit [www.biotechgate.com/web/cms/index.php/covered\\_industry\\_sectors.html](http://www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html). For comparison, the graph shows the rate of companies by sector per million residents of each country. Biotechnology companies are a subset of life science companies and 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

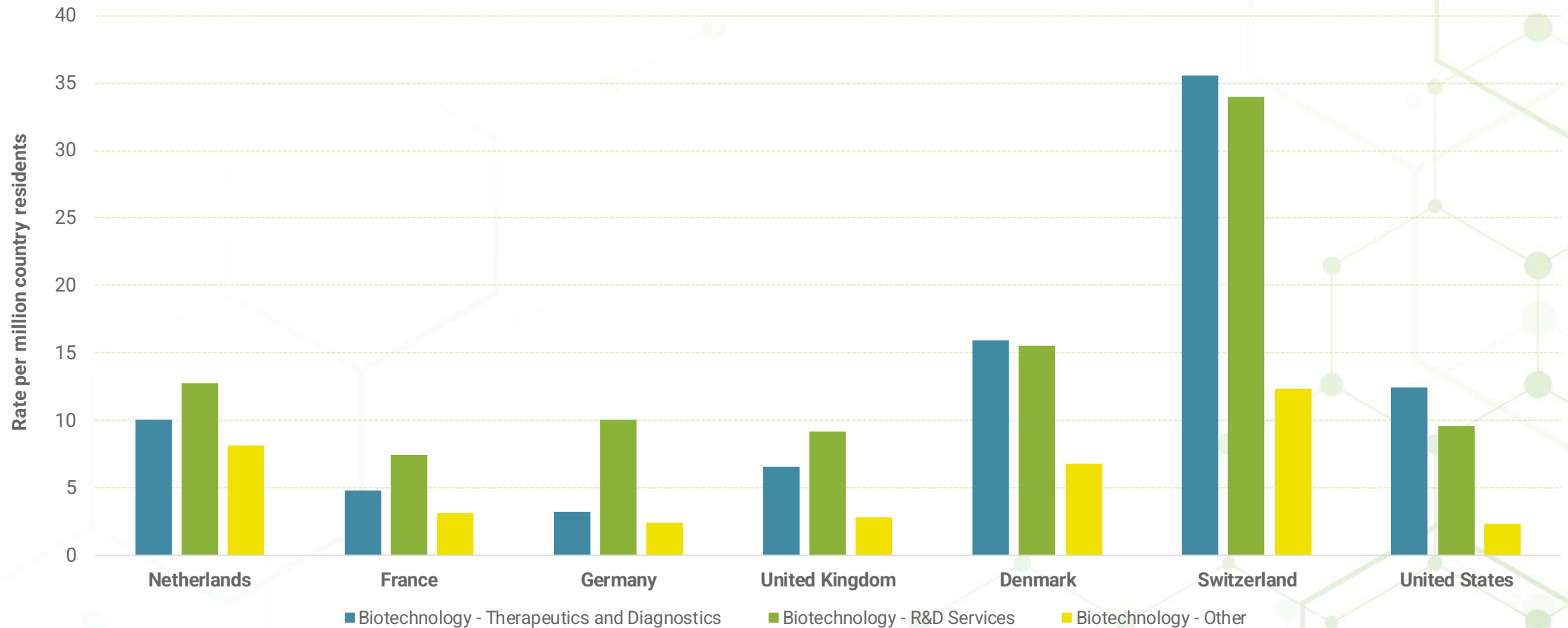
## LIFE SCIENCE COMPANIES BY COUNTRY AND SECTOR



For the definition of categories please visit [www.biotechgate.com/web/cms/index.php/covered\\_industry\\_sectors.html](http://www.biotechgate.com/web/cms/index.php/covered_industry_sectors.html). For comparison, the graph shows the rate of companies by sector per million residents of each country. Biotechnology 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 BIOTECH COMPANIES

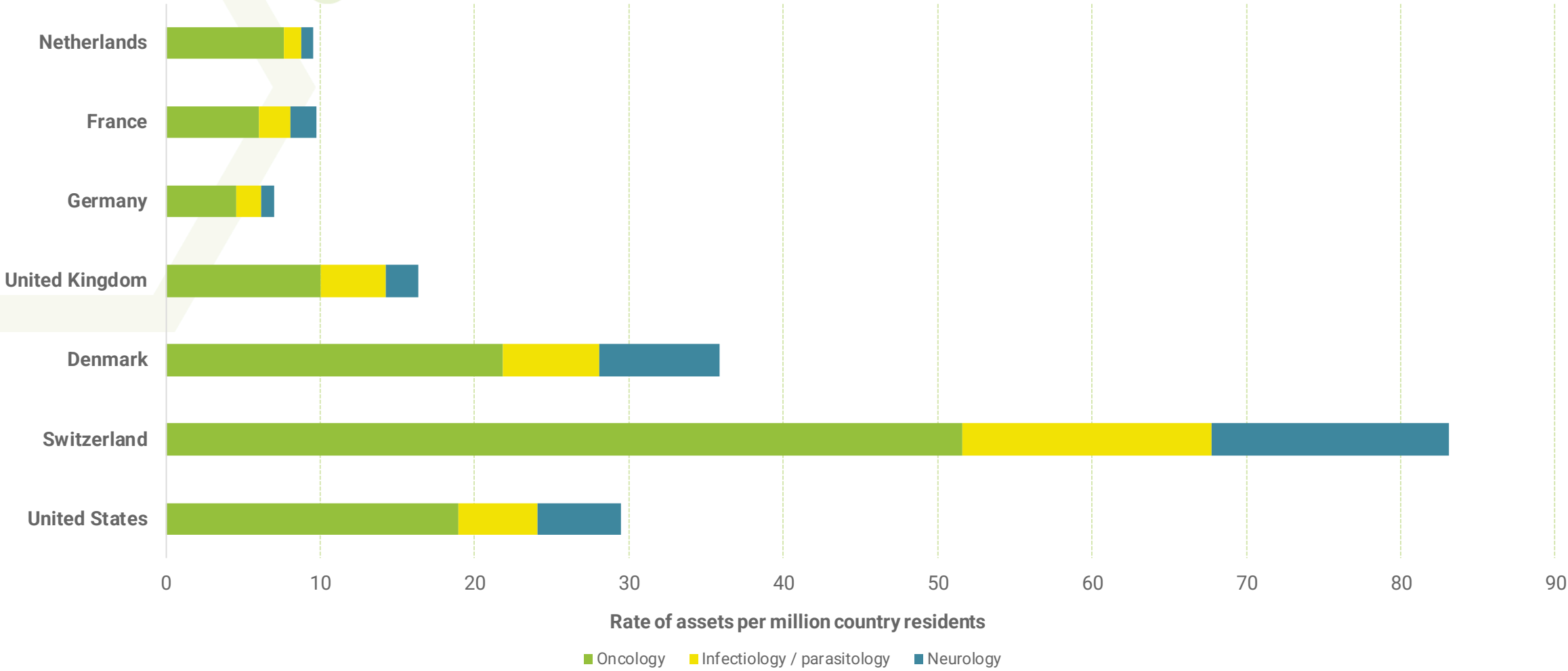
## BIOTECH COMPANIES BY COUNTRY AND SECTOR



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# BIOTECH ASSETS IN CLINICAL DEVELOPMENT

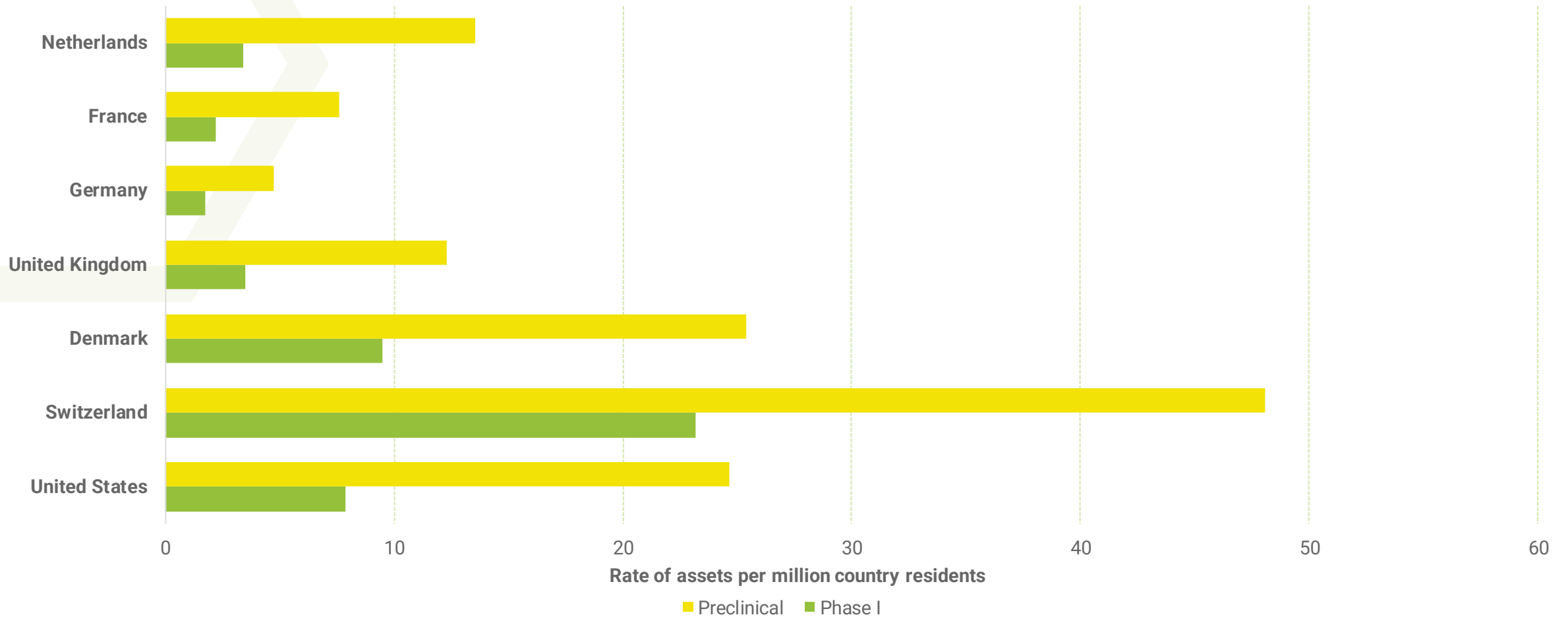
## BREAKDOWN BY TOP THREE INDICATIONS OF NETHERLANDS



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

# THERAPEUTICS BY DEVELOPMENT PHASE

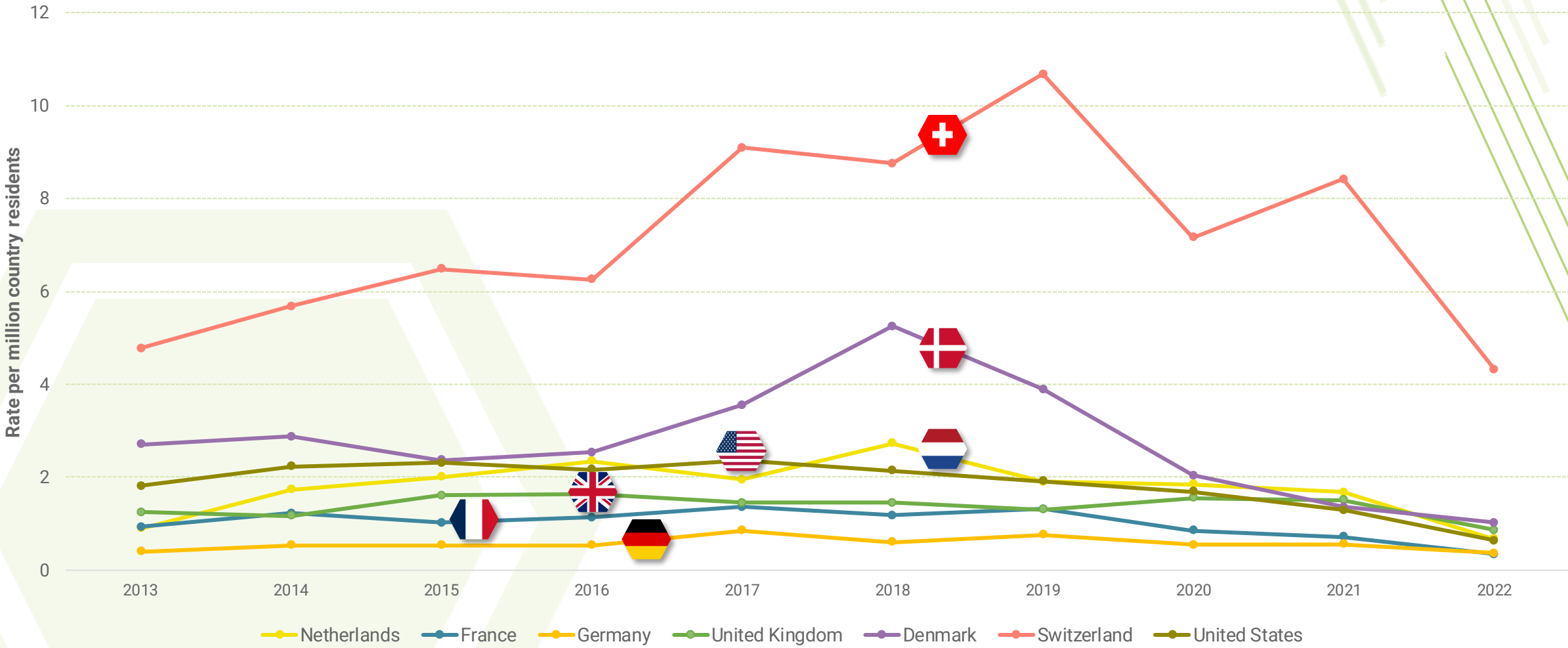
## PRECLINICAL AND PHASE I



The graph contains the rate of assets of Biotech – Therapeutics and Diagnostics companies per million residents of each country (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

## RATE OF LIFE SCIENCE COMPANIES FOUNDED BY YEAR PER MILLION RESIDENTS | 2013-2022

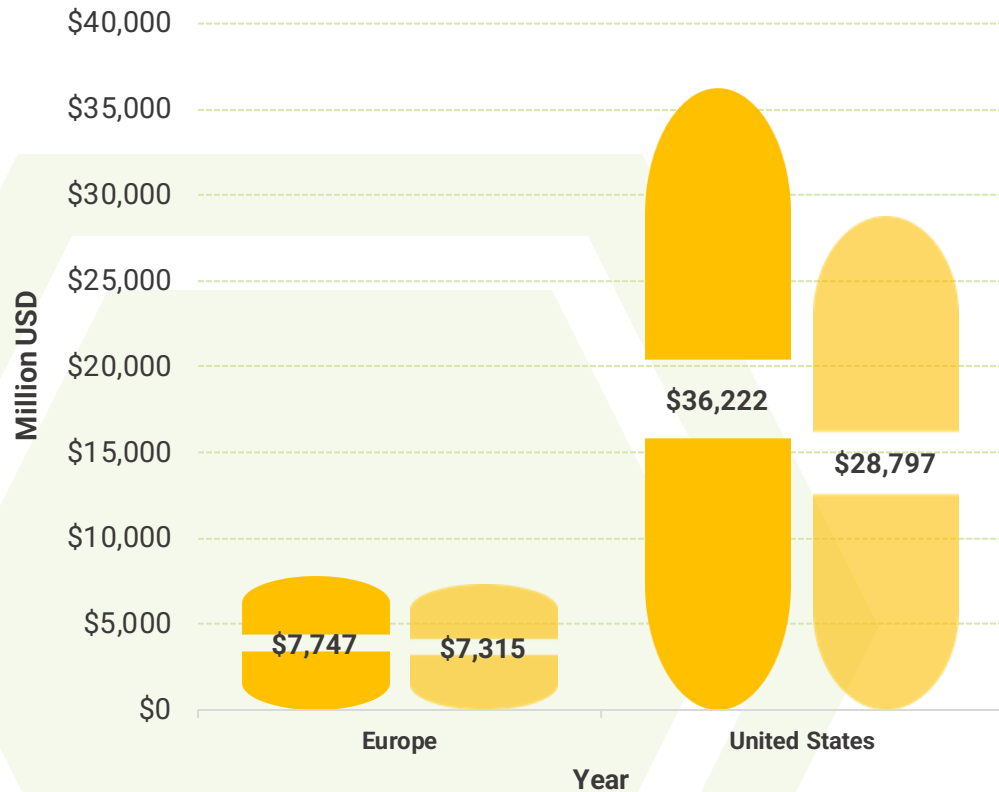


The graph contains the rate of privately owned or publicly listed (no subsidiaries) life science companies founded by year per million residents of each country, including Biotech - Therapeutic and Diagnostic, Biotech - R&D Services, Biotech - Others, Pharma, Medical Technology and Digital Health companies. **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.

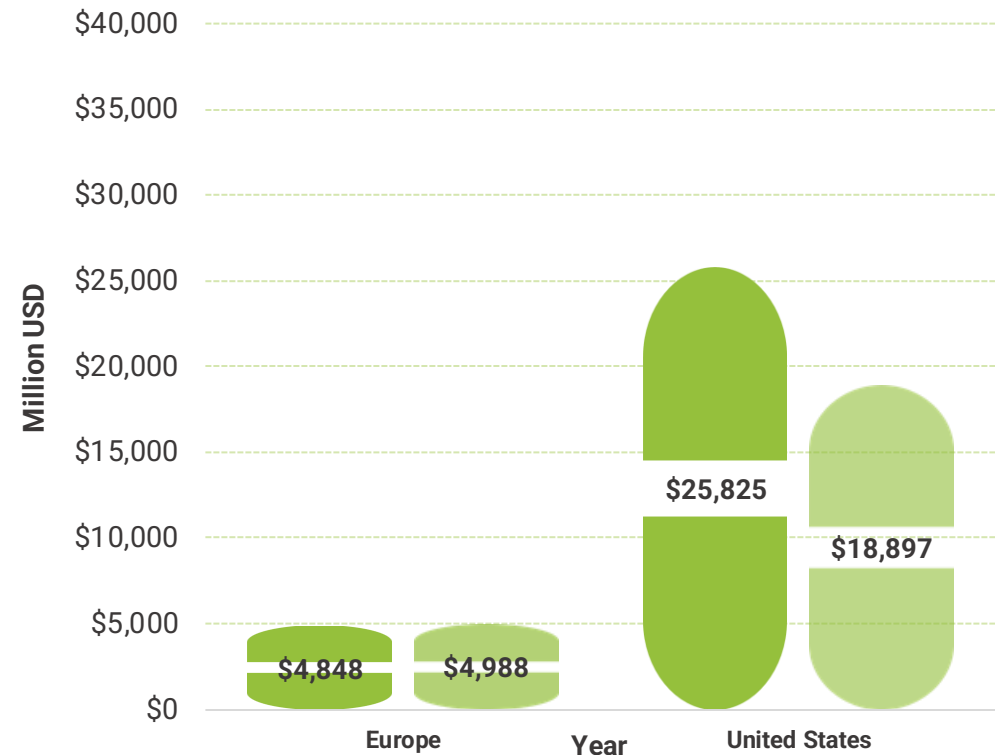
# VENTURE FINANCING OF LIFE SCIENCE COMPANIES

## PRIVATE EQUITY ROUNDS OF LIFE SCIENCE COMPANIES (EUROPE AND USA) | 2022-2023

### LIFE SCIENCE COMPANIES



### BIOTECH COMPANIES

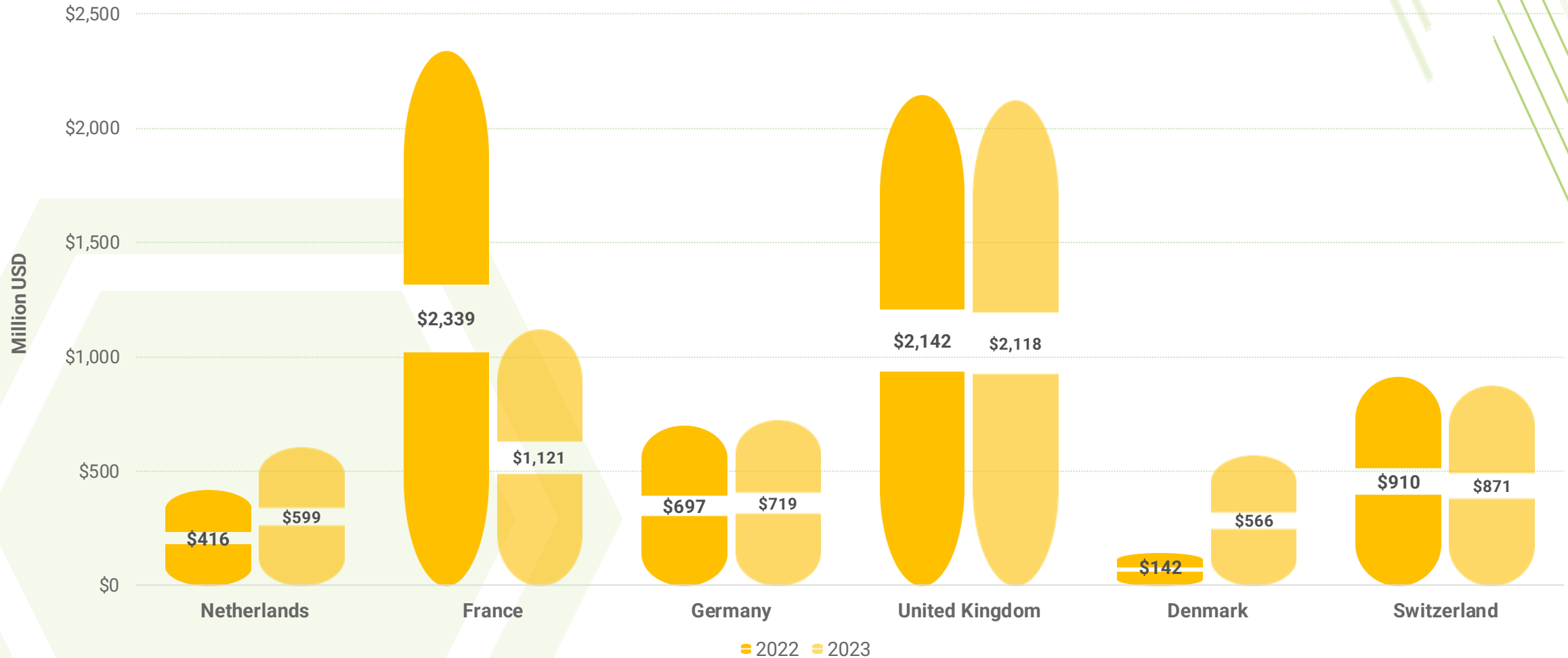


Life Science companies include Biotech - Therapeutics and Diagnostics, Biotech - R&D Services, Biotech - Others, Pharma, Medical Technology and Digital Health companies. Financing data only includes private equity rounds (excl. private placements in public companies). Data may alter as new information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



# 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). Data may alter as new information is continuously received and/or new tranches to existing financing rounds are added. The graph shows the benchmark countries excl. the United States.

# 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). Data may alter as new information is continuously received and/or new tranches to existing financing rounds are added. The graph shows the benchmark countries excl. the United States.

# MAJOR BIOTECH VENTURE FINANCING ROUNDS (2023)

## TOP PRIVATE EQUITY FINANCING ROUNDS | 2023

Company	Type of Round	USD M	Country
Apollo Therapeutics	Series C	\$227	United Kingdom
Amolyt Pharma SAS	Series C	\$138	France
VectorY Therapeutics	<b>Series A</b>	<b>\$137</b>	<b>Netherlands</b>
Hemab Therapeutics	Series B	\$135	Denmark
Noema Pharma AG	Series B	\$110	Switzerland
Alentis Therapeutics AG	Series C	\$105	Switzerland
NMD Pharma A/S	Series B	\$80	Denmark
Complement Therapeutics Ltd	Series A	\$78	United Kingdom
Corteria Pharmaceuticals	Series A	\$76	France
Nouscom AG	Series C	\$72	Switzerland

The table shows the biggest private equity financing rounds (excl. IPOs, research grants, loans) of private and independent biotechnology – therapeutics and diagnostics companies in 2023. Information displayed in the table may alter as new information is continuously received and/or new tranches to existing financing rounds are added. The table only shows the benchmark countries excl. the United States.

# ABOUT BIOTECHGATE



**Biotechgate** is a leading **business development and licensing database** for the entire life science industry, offering a wealth of information on over 65,000 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 850,000 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](http://www.biotechgate.com).

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