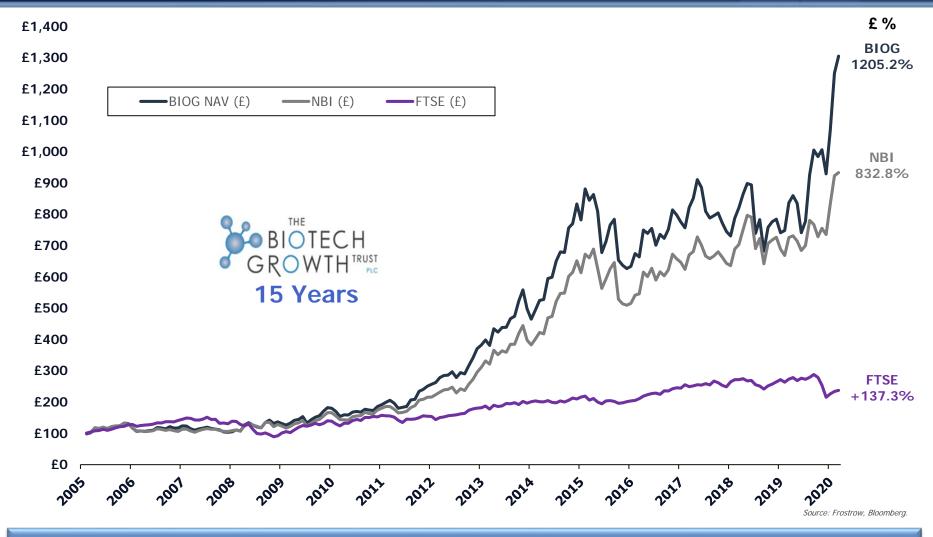


The Biotech Growth Trust

Annual General Meeting July 2020

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BIOG Performance since Inception 18 May 2005 through 30 June 2020



#1 Performing UK Trust by NAV since Inception

Note: See Endnotes for additional information, including with regard to the calculation of these results and the index shown above. BIOG June NAV return figures are estimates as provided by Frostrow/Morningstar as of July 1, 2020.

Source: Refinitiv as of 30 June 2020



Proven

20+ year strong returns across public and private equity and debt markets

Health

100% healthcare, including biopharma, devices, diagnostics, digital health, services

Flexible

Investing across stages, sub-sectors, geographies and capital structures

Leader

OrbiMed

Leading Global Healthcare Investment Firm

Global

11 locations, including New York, San Francisco, Hong Kong, Shanghai, Mumbai, Herzliya

OrbiMed – BIOG Investment Team



Geoffrey Hsu, CFA

Portfolio Manager (since 2005)

A.B. Chemistry, Harvard UniversityM.D. Program, Harvard Medical School (2 years)M.B.A: Harvard UniversityPrior: Lehman Brothers



Jeehyea Choi, Ph.D., CFA Biotechnology BSc: Biochemistry, King's College London Ph.D.: Biochemistry, King's College London



Alexandria Huynh, Ph.D.

Biotechnology B.S. Biology, CSU Los Angeles Ph.D.: Immunology, Harvard University Prior: Cowen



Raj Patel

Prior: Merrill Lynch

Biotechnology BSE: Chemical Engineering, University of Michigan Prior: Leerink



William Sawyer Specialty Pharmaceuticals B.S. Pharmacy, Rutgers University M.B.A.: New York University Prior: Leerink, Merrill Lynch, Lehman



Iris (Ting) Wang, CFA Emerging Markets B.S. Biological Science, Peking University M.B.A: Columbia University Prior: Credit Suisse, McKinsey, A.T. Kearney



New Associate Starting Aug 2nd Biotechnology



Jingren Deng, Ph.D.

Biotechnology

M.P.H. Epidemiology & Biostatistics, Boston University M.B.A. Health Sector Management, Boston University Ph.D. Biological Sciences, Virginia Tech



Charlie Steinman

Life Science Tools & Diagnostics B.S.: Finance & Accounting, Georgetown University Prior: Goldman Sachs, BMO Capital Markets





Niko Liu Emerging Markets B.S.: Finance, Nankai University M.S.: Finance, Chinese University of Hong Kong Prior: Credit Suisse, Jefferies

Potential New Associate Biotechnology







We are highly confident that one or more effective vaccines and treatments will be developed for COVID-19

- Approximately 150 vaccines and over 250 treatments in development
- A vaccine authorized for emergency use could be approved by year-end
- Two treatments have already shown efficacy: Gilead Sciences' remdesivir and dexamethasone

Sales impact on biotech from COVID-19 has been minimal

- Many prescription drugs can be taken at home under lockdown conditions
- Given the seriousness of many diseases that biotech drugs treat (e.g. cancer), patient demand for these drugs remains robust and will rebound quickly upon reopening

Minor clinical trial delays largely manageable

- New clinical trial initiations have been delayed by a few months due to COVID-19; some trials in process have paused enrollment temporarily
- However, financing environment remains robust for biotech, so companies should be able to finance through any delays

Certain biotech companies with COVID programs have outperformed significantly

- We have not actively "chased" companies with COVID-19 programs because we are skeptical about the ultimate revenue potential of those products
- Having said that, some of our portfolio companies do have ancillary COVID programs that have helped share price performance (e.g. Gilead Sciences' remdesivir, Regeneron's antibody cocktail, CanSino Biologics' COVID-19 vaccine)

Biotech should perform well if COVID is brought under control and should also outperform other sectors if COVID persists





Political Environment for Biotech Industry Has Improved Extreme drug pricing legislation unlikely to come to fruition

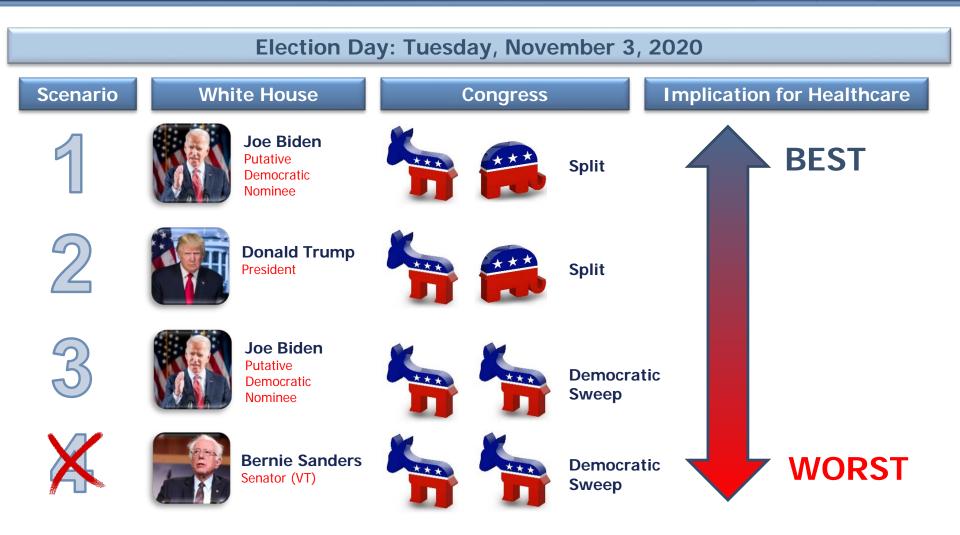
Campaign "noise" may continue in near-term but dramatic change unlikely

- Drug pricing rhetoric from progressive Democratic candidates like Elizabeth Warren and Bernie Sanders acted as an overhang on the sector through much of 2019, weighing on valuations
- Joe Biden's clinching of the Democratic nomination in March 2020 took the worst-case scenario off the table for the healthcare industry. Biden is viewed as a centrist candidate and favors incremental changes to Obamacare rather than an extreme "Medicare for All" proposal.
- A split Congress (Republicans controlling Senate, Democrats controlling House) is still a likely scenario after the November election. Even if the Democrats manage to sweep Congress, it's unlikely their majority would be sufficiently large to pass onerous drug pricing legislation.
- The ongoing COVID-19 crisis improves the industry's political situation:
 - Given the severe economic fallout from COVID-19, drug pricing legislation seems likely to be deprioritized in the near-term in favor of more pressing legislation to stimulate the economy
 - The COVID-19 pandemic is an excellent opportunity for the biopharmaceutical industry to improve its public image and show it can deliver significant value to society in a responsible way (pricing will be very reasonable for any vaccine or treatment)
 - As long as the biopharmaceutical industry continues to work on vaccines and treatments for COVID-19, it seems unlikely that Congress would enact punitive measures against the industry

Sector should continue to do well as drug pricing headlines abate



U.S. Presidential Election Scenarios



Biden clinching the Democratic nomination has removed the worst-case scenario.



FDA Regulatory Climate Remains Favorable Agency has adhered to drug approval deadlines, despite COVID-19 conditions

Trump: Using the FDA to Combat Drug Pricing by Increasing Competition



Former FDA commissioner Scott Gottlieb instituted many policies to expedite drug approvals

- Promote and reward innovative drug development
- Lower the time and cost to develop new drugs
- More frequent & earlier engagement with companies to streamline development
- More flexible efficacy/safety standards for FDA approvals
- Increased use of biomarkers and surrogate endpoints



In Dec. 2019, Stephen Hahn became the new permanent FDA commissioner and he is expected to continue Gottlieb's policies

Importantly, the FDA has continued to adhere to its drug approval timelines despite COVID-19. 2020 YTD new drug approvals are trending at a similar rate to 2019. It's possible some of the streamlined processes being implemented to accelerate development of COVID-related treatments and vaccines could benefit non-COVID drug applications in the future.

A friendly FDA has reduced the time, cost, and approval risk for new drugs in development, which has benefited the biotech industry

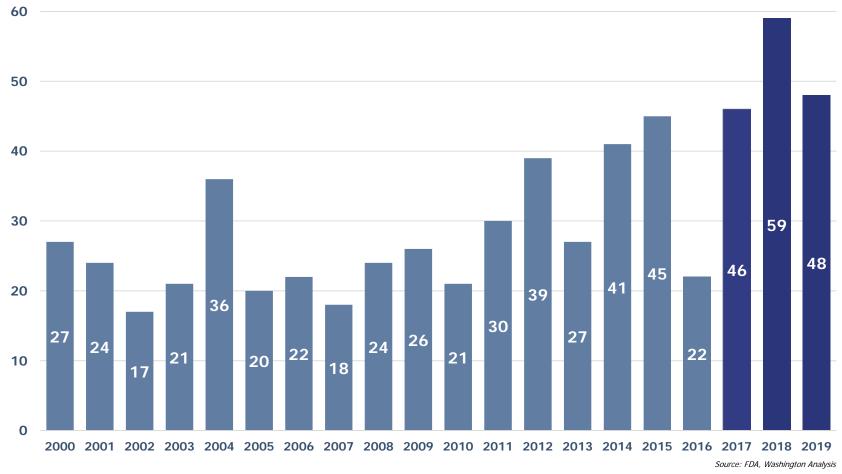
Source: Scott Gottlieb speeches, fda.gov



FDA: Supporting the Innovation Engine

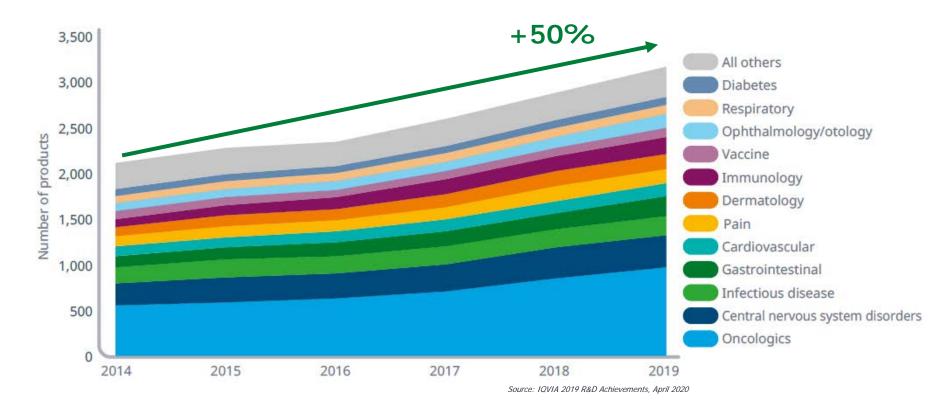
The past 3 years have been the most productive in FDA history

Annual New Drug Approvals





"Golden era" of innovation increasing number of drugs in development

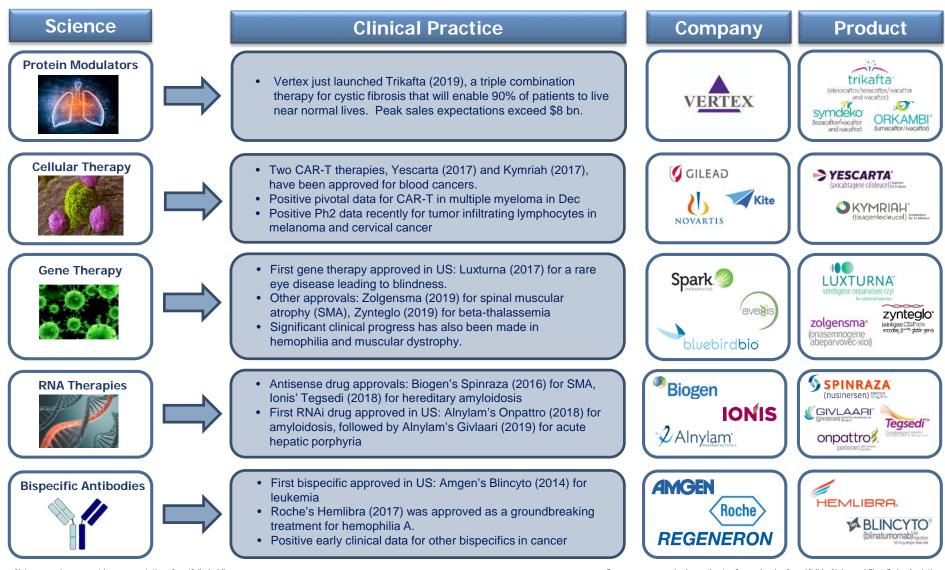


Number of Late-Stage Pipeline Products by Therapeutic Area (2014-2019)

Source: IMS, © 2020 IQVIA. All Rights Reserved. IQVIA market research information used in this report is proprietary to IQVIA and available on a confidential basis by subscription from IQVIA. IQVIA market research information reflects estimates of marketplace activity and should be treated accordingly.



Novel Technologies at Early Stages of Reaching the Market

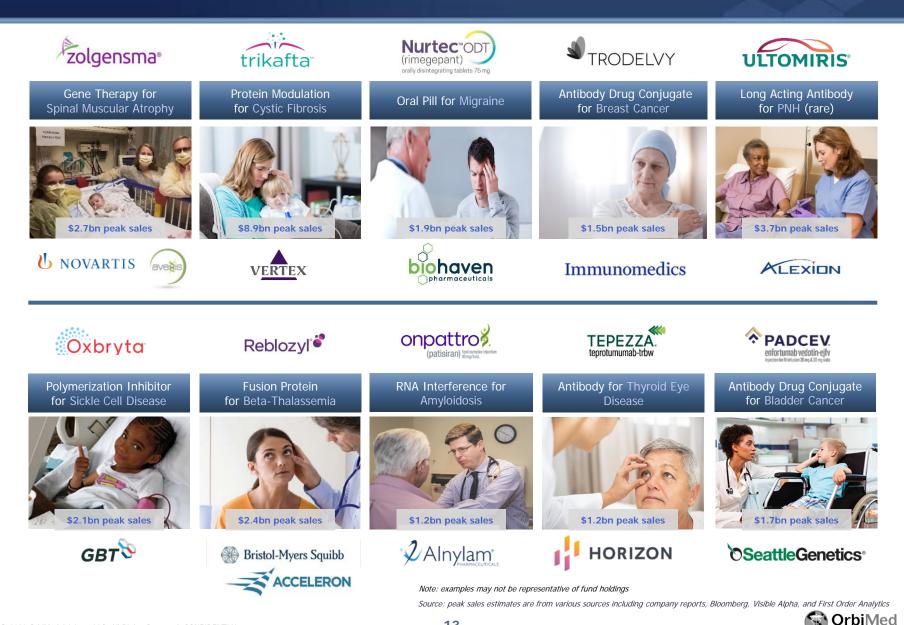


Note: examples may not be representative of portfolio holdings

Source: consensus broker estimates for peak sales from Visible Alpha and First Order Analytics



Notable Recent New Drug Approvals Address Large Markets



Bulk of Industry Innovation Occurring in Emerging Biotech

According to data provider IQVIA, about three-quarters of the pharmaceutical industry's late stage drug development pipeline is being developed by emerging biopharma*.

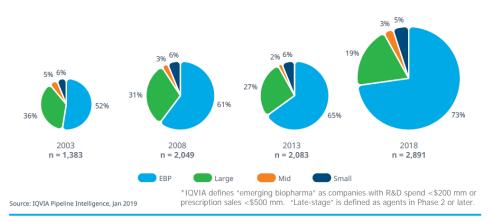


Exhibit 3: Percentage of Late-Stage Pipeline by Company Segment, 2003–2018

Over 90% of late-stage Next-Generation Biotherapeutics--defined as cell, gene and nucleotide therapies--are being developed by emerging biopharma.

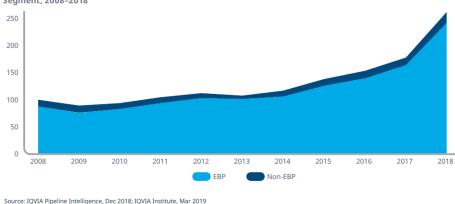


Exhibit 8: Number of Next-Generation Biotherapeutic Pipeline Products in Late-Stage Pipeline by Company Segment, 2008–2018

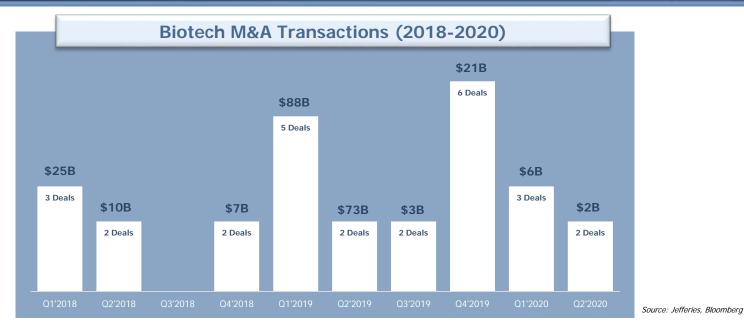
Source: IMS, © 2020 IQVIA. All Rights Reserved. IQVIA market research information used in this report is proprietary to IQVIA and available on a confidential basis by subscription from IQVIA. IQVIA market research information reflects estimates of marketplace activity and should be treated accordingly.





Biotech M&A Interest Remains High

Business development activities continuing despite COVID, takeouts still occurring



- M&A activity has slowed due to COVID-19, but interest still high and customary business development activities (licensing, partnerships) continue
- Some outright M&A has still occurred YTD; expect recovery in deal flow as outbreak comes under control

Selected biotech acquisitions (announced in 2020)



Biotech Opportunities Emerging in China Innovation emerging in second largest pharmaceutical market in the world

While most of the biotech innovation historically has occurred in the US and Europe, we are seeing a trend towards increased innovation in China.



Historically, the Chinese domestic drug market has been focused on specialty generics and traditional Chinese medicines, but a number of developments in recent years are encouraging <u>innovation</u>:

- 1. Chinese government has committed to building a biotech ecosystem in China as part of "Made in China 2025" plan
- 2. The Chinese FDA has introduced initiatives to expedite approval of innovative drugs
- 3. The Hong Kong stock exchange and the new A-share STAR board now allow biotech companies without revenue to go public, increasing the financing options for Chinese biotech
- 4. The multinational drug industry has increasingly focused on China as a promising growth market, so they are bringing expertise to the country and investing in drug development infrastructure

Several large pharma companies have in-licensed innovative assets from Chinese companies, validating their technologies:



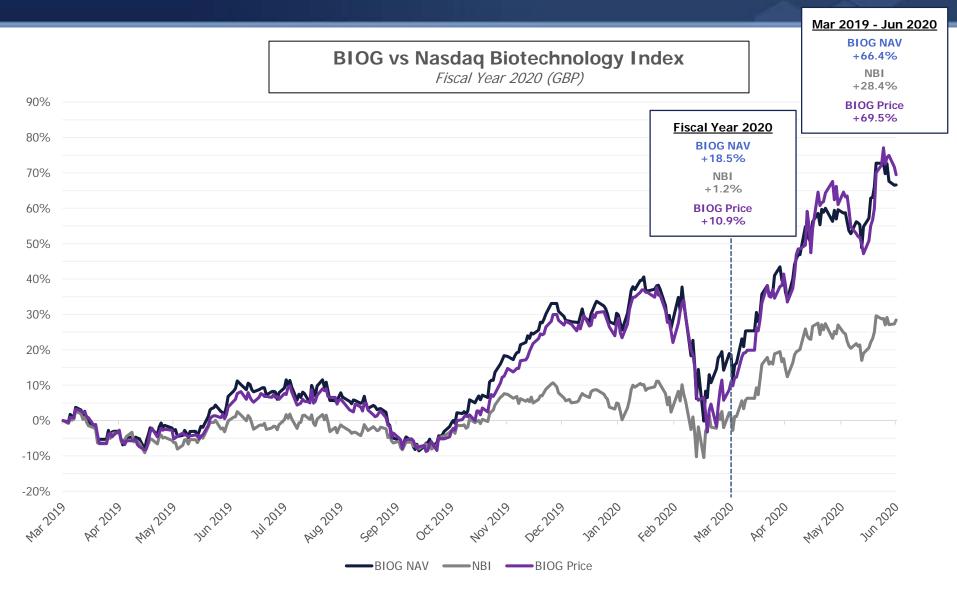
With a local research team in China, OrbiMed is well-positioned to capitalize on innovation in China







BIOG vs NBI – Fiscal Year 2020 (GBP)



Note: See Endnotes for additional information, including with regard to the calculation of these results and the index shown above. BIOG June NAV return figures are estimates as provided by Frostrow/Morningstar as of July 1, 2020.



Over the course of last year, we implemented three major structural shifts in the portfolio in order to enhance long-term performance:

- 1) Emphasis of emerging biotech over large cap biotech, given most of the innovation is occurring in emerging biotech
 - Emerging biotech now represents 70-80% of the portfolio, whereas in previous years it may have accounted for 40-50% of the portfolio
 - Opportunity set in emerging biotech has increased markedly given the robust biotech IPO market over the past 3-5 years
 - Number of portfolio holdings has increased to 50-65 because the emerging biotech positions are generally smaller to manage individual stock risk

2) Increased allocation to unquoted "crossover" investments

- Investment guidelines permit up to 10% of the portfolio to be invested in unquoteds, but this has not historically been a significant part of the fund's strategy
- Now more active in making "crossover" investments (last private round prior to an IPO); IPO generally expected within 6-12 months of crossover round; will not be investing in early stage venture capital
- OrbiMed's significant venture capital business provides excellent deal flow in this area

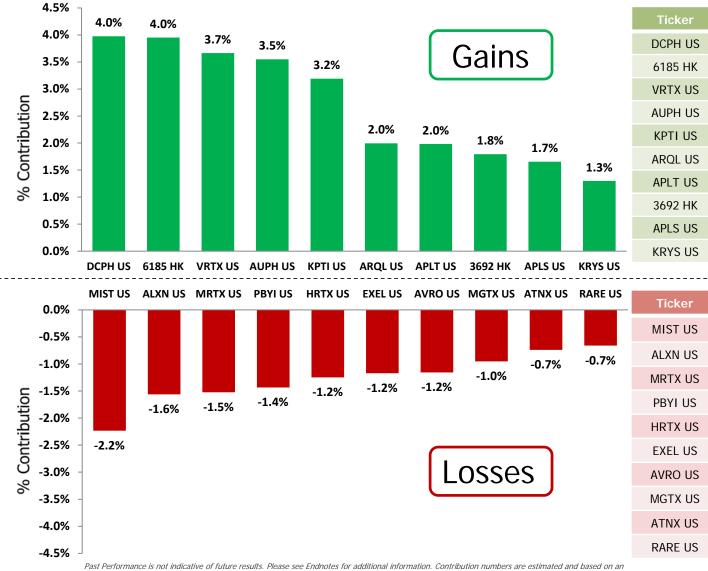
3) Growing allocation to emerging markets, particularly China

- Holdings in Chinese companies now account for 12% of NAV
- Most investments have done extremely well thus far; will continue to be selective and opportunistic
- Dedicated research analysts working out of Hong Kong and Shanghai offices provide OrbiMed with a competitive advantage in investing in Chinese biotech





Major Movers in Fiscal Year 2020 (Portfolio Contribution%) 31 March 2019 to 31 March 2020



Ticker	Name
DCPH US	Deciphera Pharmaceuticals Inc
6185 HK	CanSino Biologics Inc
VRTX US	Vertex Pharmaceuticals Inc
AUPH US	Aurinia Pharmaceuticals Inc
KPTI US	Karyopharm Therapeutics Inc
ARQL US	ArQule Inc
APLT US	Applied Therapeutics Inc
3692 HK	Hansoh Pharmaceutical Group Co
APLS US	Apellis Pharmaceuticals Inc
KRYS US	Krystal Biotech Inc

пскег	Name							
MIST US	Milestone Pharmaceuticals Inc							
ALXN US	Alexion Pharmaceuticals Inc							
MRTX US	Mirati Therapeutics Inc							
PBYI US	Puma Biotechnology Inc							
HRTX US	Heron Therapeutics Inc							
EXEL US	Exelixis Inc							
AVRO US	Avrobio Inc							
MGTX US	MeiraGTx Holdings plc							
ATNX US	Athenex Inc							
RARE US	Ultragenyx Pharmaceutical Inc							
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Past Performance is not indicative of future results. Please see Endnotes for additional information. Contribution numbers are estimated and based on an unaudited holdings based attribution model that excludes trading costs, fees, and expenses. In GBP. Source: Bloomberg PORT



Fiscal 2020 results were extremely strong on both an absolute and relative basis.

In addition to structural shifts in the portfolio over the course of 2019, the fund also benefited from the following:

Positive clinical trial catalysts

- Aurinia Pharmaceuticals' positive Phase 3 results for voclosporin in lupus nephritis
- Deciphera Pharmaceuticals' positive Phase 3 results for ripretinib in gastrointestinal stromal tumors
- Karyopharm Pharmaceuticals' positive Phase 3 results for selinexor in multiple myeloma
- Applied Therapeutics' positive pivotal trial results for galactosemia

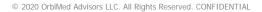
M&A transactions

- \$2.3 bn acquisition of Ra Pharma by UCB (97% premium)
- \$2.5 bn acquisition of ArQule by Merck (132% premium)

Source: Bloomberg | deal premiums based on last 20 trading days average price prior to deal announcement.

Strong performance from Chinese IPOs

- CanSino Biologics, leading vaccine company in China developing a COVID-19 vaccine
- Hansoh Pharmaceuticals, diversified drug company with products in neurology, oncology, anti-infectives, diabetes, and GI
- Alphamab Oncology, a biotech company with antibody-based therapeutics for oncology



Periods Ending 30 June 2020	Fiscal YTD	Last Fiscal Year	3 Year Annualized Return	5 Year Annualized Return	10 Year Annualized Return	OrbiMed Inception Annualized Return	BIOG OrbiMed Inception (18 May 2005)
BIOG NAV (£)	40.4%	18.5%	16.6%	9.1%	23.8%	18.5%	1205.2%
NASDAQ Biotech Index (£)	26.9%	1.2%	11.6%	7.2%	20.6%	15.9%	832.8%
Excess Returns vs NBI (£)	13.6%	17.3%	5.0%	2.0%	3.3%	2.6%	372.4%
FTSE All-Share Index TR (£)	10.2%	-18.5%	-1.6%	2.9%	6.7%	5.9%	137.3%
Excess Returns vs FTSE TR (£)	30.3%	37.0%	18.2%	6.3%	17.1%	12.6%	1067.9%

* OrbiMed commenced investment management of BIOG on 18 May 2005. Numbers are estimated, provided by Frostrow. Note: See Endnotes for additional information, including with regard to the calculation of these results and the indices shown above. BIOG June NAV return figures are estimates as provided by Frostrow/Morningstar as of July 1, 2020. Source: Frostrow, Bloomberg



BIOG Holdings As of 30 June 2020

UNITED STATES Emerging Biotechnology	Market Price \$ Millions	Pct. Value	<u>UNITED STATES</u> Emerging Biotechnology (cont.)	Market Price \$ Millions	Pct. Value	INTERNATIONAL Europe	Market Price \$ Millions	Pct. Value
Acceleron Pharma Inc	9.4	1.5	Keros Therapeutics Inc	15.4	2.4	Emerging Biotechnology		
Adverum Biotechnologies Inc	16.7	2.6	MeiraGTx Holdings plc	12.3	1.9	Calliditas Therapeutics AB	1.7	0.3
Agios Pharmaceuticals Inc	16.6	2.6	Menlo Therapeutics Inc	0.3	0.0	CRISPR Therapeutics AG	21.6	3.3
Akouos Inc	2.5	0.4	Mersana Therapeutics Inc	9.0	1.4	InflaRx NV	2.6	0.4
AnaptysBio Inc	7.6	1.2	Mirati Therapeutics Inc	12.4	1.9	Prothena Corp PLC	<u>5.4</u>	<u>0.8</u>
Applied Therapeutics Inc	21.3	3.3	NanoString Technologies Inc	5.4	0.8		31.3	4.8
Aptose Biosciences Inc	4.9	0.8	Neurocrine Biosciences Inc	27.3	4.2			
Arcturus Therapeutics Holdings	8.9	1.4	ORIC Pharmaceuticals Inc	5.3	0.8	Europe Subtotal	31.3	4.8
Arena Pharmaceuticals Inc	4.2	0.7	Pandion	3.0	0.5			
Arrowhead Pharmaceuticals Inc	2.9	0.5	Repare Therapeutics Inc	1.6	0.2	Far East		
Arvinas Inc	1.0	0.2	Sarepta Therapeutics Inc	21.4	3.3	Emerging Biotechnology		
Athenex Inc	15.1	2.3	Syndax Pharmaceuticals Inc	9.3	1.4	Akeso Inc	4.6	0.7
Aurinia Pharmaceuticals Inc	3.9	0.6	Theravance Biopharma Inc	14.9	2.3	Alphamab Oncology	8.2	1.3
Avidity Biosciences Inc	1.9	0.3	Trillium Therapeutics Inc	6.6	1.0	Ascletis Pharma Inc	0.1	0.0
Avrobio Inc	11.6	1.8	Turning Point Therapeutics Inc	19.1	3.0	Burning Rock Biotech Ltd	29.5	4.6
Celldex Therapeutics Inc	7.0	1.1	Vaxcyte Inc	8.8	1.4	CanSino Biologics Inc	6.6	1.0
Curis Inc	1.5	0.2	Xenon Pharmaceuticals Inc	12.2	1.9	OrbiMed Asia Partners	3.0	0.5
Deciphera Pharmaceuticals Inc	7.9	1.2	Zymeworks Inc	<u>9.3</u>	<u>1.4</u>	SK Biopharmaceuticals Co Ltd	<u>2.2</u>	<u>0.3</u> 8.4
Exelixis Inc	8.7	1.3		451.9	69.9		54.4	8.4
Flexion Therapeutics Inc	13.7	2.1				Major Biotechnology		
Forte Bio Warrant	3.0	0.5	UNITED STATES			Hansoh Pharmaceutical Group Co	18.3	2.8
Forte Biosciences Inc	8.4	1.3	Major Biotechnology			Maccura Biotechnology Co Ltd	<u>8.2</u>	<u>1.3</u>
Fusion Pharmaceuticals Inc	1.8	0.3	Alexion Pharmaceuticals Inc	20.8	3.2		26.5	4.1
Heron Therapeutics Inc	9.7	1.5	Amgen Inc	21.6	3.3			
Horizon Therapeutics Plc	18.3	2.8	Biogen Inc	29.7	4.6	Far East Subtotal	80.9	12.5
IGM Biosciences Inc	5.4	0.8	Gilead Sciences Inc	14.8	2.3			
IMARA Inc	5.2	0.8	Regeneron Pharmaceuticals Inc	19.3	3.0	International Total	112.2	17.4
Immunomedics Inc	26.9	4.2	Vertex Pharmaceuticals Inc	<u>29.8</u>	<u>4.6</u>			
Immunovant Inc	6.6	1.0		136.0	21.0	Cash	-54.0	-8.4
Iovance Biotherapeutics Inc	5.9	0.9						
			United States Total	587.8	91.0	Total Portfolio	646.0	100.0

Note: Italicized positions (Pandion, OrbiMed Asia Partners) represent unquoted holdings



2020 Strategy and Outlook

- We hope to continue the strong performance of the fund on both an absolute and relative basis with the same strategy employed in 2019
 - o Portfolio to continue emphasizing emerging biotech over major biotech
 - Will continue investing in select "crossover" and emerging markets opportunities
 - o Gearing level will stay between 5-10%
 - NAV +29.9% calendar YTD (+8.3% outperformance versus the benchmark)

• COVID-19 should not have a significant negative impact on biotech

- o Sales impact and clinical trial delays are temporary and manageable
- We are confident one or more effective vaccines and treatments will emerge
- Even if COVID persists, biotech will fare better than other sectors of the economy
- Innovation remains strong in the sector, including transformative technologies like gene therapy that are still in the early stages of reaching their full potential
- Regulatory environment remains supportive of new drug approvals
 - Drug approval timelines intact despite COVID-19
- M&A pace has slowed temporarily due to COVID but should recover as economies reopen
 - o Appetite among large pharma to acquire innovative biotech companies remains strong
- Political backdrop has improved going into 2020 election
 - o Joe Biden is a centrist Democratic nominee, will build on Obamacare
 - Industry work on COVID makes near-term punitive drug pricing legislation less likely
 - Split Congress would make passage of transformative legislation unlikely; even under a Democratic sweep, any majority in Senate would likely be too thin for dramatic changes





Endnotes



General Notes

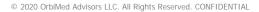
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Endnotes (continued)

Indices

Information about indices is provided to allow for comparison of the performance of the Shares to the Fund's benchmark and certain other recognized indices. Investors cannot invest directly in an index, which also does not take into account trading commissions and costs. The indices shown are unmanaged, do not charge fees or expenses and do not employ special techniques such as leveraging or short selling. The volatility of indices may be materially different from the performance of the Fund. In addition, the Fund's portfolio holdings may differ significantly from the securities that comprise such indices.

The MSCI World Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed markets. The NASDAQ Biotechnology Index includes securities of NASDAQ-listed companies classified according to the Industry Classification Benchmark as either Biotechnology or Pharmaceuticals which also meet other eligibility criteria, and is calculated under a modified capitalization-weighted methodology. The SPDR S&P Biotech ETF seeks to provide investment results that, before fees and expenses, correspond generally to the total return performance of the S&P Biotechnology Select Industry. The FTSE All-Share Index is a market-capitalization weighted index representing the performance of all eligible companies listed on the London Stock Exchange's main market, which pass screening for size and liquidity. The Russell 2000 Index measures the performance of the small-cap segment of the U.S. equity universe. It includes approximately 2000 of the smallest securities based on a combination of their market cap and current index membership.

