

TEKLA LIFE SCIENCES INVESTORS
Form N-CSR
December 04, 2018

OMB APPROVAL
OMB Number: 3235-0570
Expires: August 31, 2020
Estimated average burden hours per
response.20.6

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-CSR

**CERTIFIED SHAREHOLDER REPORT OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES**

Investment Company Act file number 811-06565

Tekla Life Sciences Investors
(Exact name of registrant as specified in charter)

100 Federal Street, 19th Floor, Boston, MA
(Address of principal executive offices)

02110
(Zip code)

Laura Woodward, Chief Compliance Officer and Vice President of Fund Administration

100 Federal Street, 19th Floor, Boston, MA 02110
(Name and address of agent for service)

Registrant's telephone number, including area code: 617-772-8500

Date of fiscal year end: September 30

Date of reporting period: October 1, 2017 to September 30, 2018

ITEM 1. REPORTS TO STOCKHOLDERS.

TEKLA LIFE SCIENCES INVESTORS

Annual Report

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TEKLA LIFE SCIENCES INVESTORS

Distribution policy: The Fund has implemented a managed distribution policy (the Policy) that provides for quarterly distributions at a rate set by the Board of Trustees. Under the current Policy, the Fund intends to make quarterly distributions at a rate of 2% of the Fund's net assets to shareholders of record. The Policy would result in a return of capital to shareholders, if the amount of the distribution exceeds the Fund's net investment income and realized capital gains. A return of capital may occur, for example, when some or all of the money that you invested in the Fund is paid back to you. A return of capital distribution does not necessarily reflect the Fund's investment performance and should not be confused with "yield" or "income."

The amounts and sources of distributions reported in the Fund's notices pursuant to Section 19(a) of the Investment Company Act of 1940 are only estimates and are not being provided for tax reporting purposes. The actual amounts and sources of the amounts for tax reporting purposes will depend upon the Fund's investment experience during its fiscal year and may be subject to changes based on tax regulations. The Fund will send you a Form 1099-DIV for the calendar year that tells you how to report distributions for federal income tax purposes.

You should not draw any conclusions about the Fund's investment performance from the amount of distributions pursuant to the Policy or from the terms of the Policy. The Policy has been established by the Trustees and may be changed or terminated by them without shareholder approval. The Trustees regularly review the Policy and the frequency and rate of distributions considering the purpose and effect of the Policy, the financial market environment, and the Fund's income, capital gains and capital available to pay distributions. The suspension or termination of the Policy could have the effect of creating a trading discount or widening an existing trading discount. At this time there are no reasonably foreseeable circumstances that might cause the Trustees to terminate the Policy.

Consider these risks before investing: As with any investment company that invests in equity securities, the Fund is subject to market risk—the possibility that the prices of equity securities will decline over short or extended periods of time. As a result, the value of an investment in the Fund's shares will fluctuate with the market generally and market sectors in particular. You could lose money over short or long periods of time. Political and economic news can influence market-wide trends and can cause disruptions in the U.S. or world financial markets. Other factors may be ignored by the market as a whole but may cause movements in the price of one company's stock or the stock of companies in one or more industries. All of these factors may have a greater impact on initial public offerings and emerging company shares. Different types of equity securities tend to shift into and out of favor with investors, depending on market and economic conditions. The performance of funds that invest in equity securities of healthcare companies may at times be better or worse than the performance of funds that focus on other types of securities or that have a broader investment style.

TEKLA LIFE SCIENCES INVESTORS

Dear Shareholders,

Predictions are difficult to make, especially about the future. This notion is often attributed to Yogi Berra about a prior time, but it could not be more applicable today. Views about nearly every matter seem to be evenly split between dichotomous extremes. Whatever else this situation produces, it creates increased uncertainty that, in turn, makes predictions about the future of healthcare investing extremely difficult.

In such times, we rely on fundamental analysis. On one hand, many people claim that drug prices are too high and that the overall cost of U.S. healthcare consumes too significant a portion of the country's gross domestic product (GDP). These notions lead some to advocate for significantly more regulatory or statutory control over the drug industry. A move in this direction would likely be damaging to investment prospects in healthcare.

On the other hand, the fundamentals in healthcare seem compelling to us. The U.S. population is aging. People need more care and spend more on healthcare as they age. We have a remarkably well-trained and innovative culture in this country that has consistently demonstrated its ability to discover, develop and commercialize new novel drugs and medical product that save lives and improve the quality of life for untold numbers of people. We also have a financial system that has paired inventors with investors to the benefit of all. For the healthcare sector, this combination of factors suggests a promising future.

So what is the likely net of these dichotomous perspectives?

As Mr. Berra said, it is difficult to make predictions. However, if I were to make one, it would be that everything will work out. I expect that drugs that make a real difference in addressing untreatable disease will be funded and developed for use by all. I believe drug pricing for such differentiated products, afforded by time-limited intellectual property protection, will allow a fair return in compensation for the risk investors take and peoples' lives will be helped, more and more each year. In parallel, however, I expect that medical products that aren't differentiated or which have exhausted patent protection will be priced at much lower levels. I expect that the former will be driven by the marketplace and the latter with help from the government and, my expectation is, that the net effect of this action should keep the average price of drugs at reasonable levels to the benefit of all.

In aggregate, this analysis makes us optimistic about the prospects of healthcare investing.

As always, we thank you for your consideration of the Tekla Funds. Please call our marketing and investor support services agent, Destra Capital, or us if you have any questions.

Be well,

Daniel R. Omstead
President and Portfolio Manager

**Perspective on the Biotechnology and
Healthcare Sectors**

We are cautiously optimistic about the prospects for the healthcare sector. We continue to see innovation improving or extending the lives of patients and ultimately being the basis for solid sector performance. While we are immersed in scientific and related developments every day, it is useful to occasionally step back and look at the big picture of what innovative new products are doing.

Treatment of cancer is a good example. In the last five years or so, we have seen the advent of so-called "checkpoint inhibitor" therapies, principally KEYTRUDA® (from Merck & Co.) and OPDIVO® (from Bristol-Myers Squibb), dramatically change the way certain solid tumors are treated. These products have changed the treatment paradigm for lung cancer (the most commonly diagnosed form of cancer in the world) and malignant melanoma, among other solid tumor cancers. In order to treat such diseases in the past, many patients were forced to endure chemotherapy regimens that almost killed the patient with the hope of simultaneously "killing" the cancer. The new checkpoint inhibitors, of which there are now seven approved in the U.S., generally exhibit fewer side effects than traditional chemotherapy and are effective in a significant portion of patients. Certainly the existing checkpoint inhibitors aren't perfect a number of patients are not helped and the ones that are effectively treated can relapse, but overall, this class of drugs has been invaluable. I note that there are a plethora of new companies developing checkpoint and other products that some believe might address the shortfalls of current products. We look forward to seeing these products reach the market.

A similar set of developments is occurring in the treatment of hematologic (i.e., blood) cancers. KYMRIA® (from Novartis) and YESCARTA® (from Gilead Sciences, Inc.) have transformed the treatment of certain leukemia and lymphoma cancers using CAR-T (chimeric antigen receptor T) cell therapy based drugs. In an analogous way, there are a large number of new companies with impressive technology poised to augment the success of the companies described above.

Similar narratives exist in nearly every area of medicine. Let me highlight just two, Alzheimer's disease and diabetes. The development of effective Alzheimer's treatments has been the bane of the pharmaceutical industry for many years. A large portion of the population develops this insidious disease but there are few if any effective treatments that slow down, let alone, cure it. Toward this end, we are now seeing products in late stage clinical development that have a very decent chance of slowing down

progression. I am optimistic that we will see a material impact on Alzheimer's in my lifetime.

With respect to diabetes, a disease affecting nearly 10% of the U.S. population, progress has been a bit better when compared to Alzheimer's. There are a number of approved products to help cope with this problem and more products are being approved each year. The pace of development has increased over time but the number of afflicted individuals continues to grow rapidly. In this area, we see the simultaneous development of multiple approaches to treat diabetes. The magnitude of impact of each incremental drug as well as the aggregate impact of combination therapy appears to be increasing over time.

We have been investing for HQL for some time now and it is a privilege for us to do so on your behalf. Separately, as someone who has spent many years working in the pharmaceutical and biotech industries, what is seen from a multitude of companies every day is amazing.

There is rarely a time when everything in the market looks all good or all bad. This is presently the case as well. While we see encouraging technical promise in the healthcare sector, there are also reasons to be cautious. At the moment, the cautionary signs relate to the political environment in general and drug pricing in particular.

Whatever one might think of the actions of the U.S. government at this time, at a minimum it is a time of heightened uncertainty. In past years, we felt reasonably confident in our ability to predict the regulatory impact of change in our sector. We are less confident now. There has been much outcry about the price of drugs. There have been reports that suggest the current administration will be aggressive in trying to control the growth or even reduce the current magnitude of drug prices. There have also been signs that the government will be more accommodative. We simply do not know what will happen.

Our own view continues to be that while a solid argument can be made that current prices are well justified and don't constitute an unreasonable or significantly increasing percentage of overall healthcare spending, given the impact they have on patients' lives, the reality is that political pressure will lead to a regulatory-induced slowing or possibly an outright reduction of drug pricing for some products.

Having said this, we think the key is to determine which drugs or drug classes will be most and least affected. We conclude that the price of older drugs and those that are not clearly differentiated from their peers will see the most pressure. Those that are novel, patent protected and have a clear positive benefit on patient lifespan and/or quality of life will

see a much reduced or even minimal downward pricing pressure. Fortunately, we have always favored investing in differentiated products. We regularly include some form of cost/benefit analyses into our decisions to invest. More importantly, the management of companies we invest in are usually astute enough to make a similar analysis. We don't often see pricing that is inconsistent with the benefit a drug delivers. The bottom line is that while we may well reduce our existing exposure to generic drugs, we don't think that drug pricing pressure will have a tremendous impact on the majority of our investments.

When we take a step away from product by product analysis, we see a number of important developments. In the last year, we have seen a performance profile that differs from what we observed in several recent years. You will recall that over the longer term, the NASDAQ Biotechnology Index^{®*} ("NBI") has performed well in comparison to the S&P 500[®] Index* ("SPX") and the broad S&P Composite 1500[®] Health Care Index* ("S15HLTH") as follows:

10 Year Performance Ending September 30, 2018

By contrast, for the year ended September 30, 2018, we have observed a somewhat different profile. As you can see below, the NBI underperformed the S15HLTH and the SPX. Generally, this was the result of outperformance in the medical technology and managed care sectors.

Index	Year ended 9/30/18
S&P 500 [®] Index	17.90%
S&P Composite 1500 [®] Health Care Index	19.95%
NASDAQ Biotechnology Index [®]	10.34%

The question, of course, is what we should expect for the upcoming period. Our view continues to be that in any given year, one subsector can outperform all others, but that over the long-term, the innovation described above will allow the drug and biotech sectors to do well. Consequently, we favor being overweight these sectors.

TEKLA LIFE SCIENCES INVESTORS**Fund Essentials****Objective of the Fund**

The Fund's investment objective is to seek long-term capital appreciation by investing primarily in securities of Life Sciences companies.

Description of the Fund

Tekla Life Sciences Investors ("HQL") is a non-diversified closed-end healthcare fund traded on the New York Stock Exchange under the ticker HQL. HQL primarily invests in the life sciences industries and will emphasize the smaller, emerging companies with a maximum of 40% of the Fund's assets in restricted securities of both public and private companies.

Investment Philosophy

Tekla Capital Management LLC, the Investment Adviser to the Fund, believes that:

- Aging demographics and adoption of new medical products and services can provide long-term tailwinds for healthcare companies
- Late stage biotechnology product pipeline could lead to significant increases in biotechnology sales
- Robust M&A activity in healthcare may create additional investment opportunities

Fund Overview and Characteristics as of 9/30/18

Market Price ¹	\$20.42
NAV ²	\$21.22
Premium/(Discount)	-3.77%
Average 30 Day Volume	44,808
Net Assets	\$475,491,924
Ticker	HQL
NAV Ticker	XHQLX
Commencement of Operations Date	5/8/92
Fiscal Year to Date Distributions Per Share	\$1.63

¹ The closing price at which the Fund's shares were traded on the exchange.

² Per-share dollar value of the Fund, calculated by dividing the total value of all the securities in its portfolio, plus any other assets and less liabilities, by the number of Fund shares outstanding.

Holdings of the Fund (Data is based on net assets)

This data is subject to change on a daily basis.

Asset Allocation as of 9/30/18

Sector Diversification as of 9/30/18

TEKLA LIFE SCIENCES INVESTORS**Largest Holdings by Issuer****(Excludes Short-Term Investments)***As of September 30, 2018*

Issuer	Sector	% of Net Assets
Biogen Inc.	<i>Biotechnology</i>	8.1%
Gilead Sciences, Inc.	<i>Biotechnology</i>	7.3%
Amgen Inc.	<i>Biotechnology</i>	6.9%
Celgene Corporation	<i>Biotechnology</i>	6.3%
Illumina, Inc.	<i>Life Sciences Tools & Services</i>	5.8%
Vertex Pharmaceuticals Incorporated	<i>Biotechnology</i>	4.9%
Regeneron Pharmaceuticals, Inc.	<i>Biotechnology</i>	3.9%
Alexion Pharmaceuticals, Inc.	<i>Biotechnology</i>	3.4%
Incyte Corporation	<i>Biotechnology</i>	2.6%
Mylan N.V.	<i>Pharmaceuticals</i>	2.3%
IDEXX Laboratories, Inc.	<i>Health Care Equipment & Supplies</i>	1.9%
Sarepta Therapeutics, Inc.	<i>Biotechnology</i>	1.9%
Jazz Pharmaceuticals plc	<i>Pharmaceuticals</i>	1.4%
Neurocrine Biosciences, Inc.	<i>Biotechnology</i>	1.3%
Sage Therapeutics, Inc.	<i>Biotechnology</i>	1.1%
Seattle Genetics, Inc.	<i>Biotechnology</i>	1.1%
BioMarin Pharmaceutical Inc.	<i>Biotechnology</i>	1.1%
Nektar Therapeutics	<i>Biotechnology</i>	0.9%
Adaptimmune Therapeutics plc	<i>Biotechnology</i>	0.9%
bluebird bio, Inc.	<i>Biotechnology</i>	0.9%

Fund Performance

HQL is a closed-end fund which invests predominantly in life science companies. Subject to regular consideration, the Trustees of HQL have instituted a policy of making quarterly distributions to shareholders. The Fund seeks to make such distributions in the form of long-term capital gains.

The Fund considers investments in companies of all sizes and in all life science subsectors, including but not limited to, biotechnology, pharmaceuticals, healthcare equipment, healthcare supplies, life science tools and services, healthcare distributors, managed healthcare, healthcare technology, and healthcare facilities. The Fund emphasizes innovation, investing both in public and pre-public venture companies. The Fund considers its venture investments to be a differentiating characteristic. Among the various healthcare subsectors, HQL has considered the biotechnology subsector, including both pre-public and public companies,

to be a key contributor to the healthcare sector. The Fund holds biotech assets, including both public and pre-public, often representing 65-80% of net assets.

There is no commonly published index which matches the investment strategy of HQL. The S15HLTH consists of more than 160 companies representing most or all of the healthcare subsectors in which HQL typically invests; biotechnology often represents 15-25% of this index. By contrast, the NBI, which contains approximately 190 constituents, is much more narrowly constructed. The vast majority of this index is comprised of biotechnology, pharmaceutical and life science tools companies. In recent years, biotechnology has often represented 72-82% of the NBI. Neither the S15HLTH nor NBI indices contain any material amount of pre-public company assets.

We present both NAV and stock returns for the Fund in comparison to several commonly published indices. One index, the SPX, is a commonly considered broad based index; this index is comprised of companies in many areas of the economy, including, but not limited to healthcare. As described above, the NBI is a healthcare index mostly focused in three healthcare sectors with a uniquely high level of biotechnology comparison. The S15HLTH contains a wider representation of healthcare subsectors, but typically contains a much lower biotechnology composition.

HQL generally invests in a combination of large-cap growth-oriented and earlier stage innovative healthcare companies with a focus on the biotechnology sector. Generally, HQL targets biotechnology exposure below that of the NBI and a higher biotechnology exposure than that of the S15HLTH. We note that in recent periods, biotechnology has been a significant contributor to returns (both positive and negative) associated with those indices. We believe this sector continues to have significant potential for growth in the future.

Fund Performance for the Period Ended September 30, 2018

Period	HQL NAV	HQL MKT	NBI	S15HLTH	SPX
6 month	11.24	10.61	14.62	18.63	11.41
1 year	6.61	3.31	10.34	19.95	17.90
5 year	10.63	10.81	12.29	15.89	13.94
10 year	14.11	16.16	16.95	14.66	11.96

All performance over one-year has been annualized.

Performance data quoted represents past performance, which is no guarantee of future results, and current performance may be lower or higher than the figures shown. The NAV total return takes into account the Fund's total annual expenses and does not reflect transaction charges. If transaction charges were reflected, NAV total return would be reduced. All distributions are assumed to be reinvested either in accordance with the dividend reinvestment plan (DRIP) for market price returns or NAV for NAV returns. Until the DRIP price is available from the Plan Agent, the market price returns reflect the reinvestment at the closing market price on the last business day of the month. Once the DRIP is available around mid-month, the market price returns are updated to reflect reinvestment at the DRIP price.

Portfolio Highlights as of September 30, 2018

Among other investments, Tekla Life Sciences Investors' performance benefitted in the past year by the following:

IDEXX Laboratories Inc. (IDXX) continues to leverage its unique structure and stature in veterinary medicine. The central lab continues to innovate successful diagnostic tests that facilitate the efforts of veterinarians to drive the shift from reactive pet care to preventative pet care. After their online and salesforce build out in 2017, we believe Idexx remains in the early innings of leveraging their expanded operating platforms.

Sarepta Therapeutics, Inc. (SRPT) is a commercial company. Sales of their exon-skipping therapy, Exondys51, for Duchenne Muscular Dystrophy (DMD) continue to impress as does the progress of their remaining first-generation exon-skipping portfolio. Sarepta's next-generation exon-skipping assets, carriers of their novel cell-penetrating peptides, are also progressing at or ahead of schedule. Outside of the exon-skipping base franchise, Sarepta leads the charge into gene-therapies for DMD and holds pole position ahead of competitors in terms of clinical progress, gene-therapy technology, and maintaining investor mindshare as the preeminent DMD company.

argenx SE (ARGX) is a Belgian biotechnology company that has focused on next generation antibody technologies. The company's share price experienced significant appreciation with the advancement of their novel anti-inflammation agent in phase II studies. We continue to believe that the company has upside from these levels in other disease states as well

as with other pipeline candidates such as one partnered with AbbVie Inc. for immuno-oncology.

Among other examples, HQL's performance was negatively impacted by the following investments:

Nektar Therapeutics (NKTR) is a biopharmaceutical company with a pegylation-based technology platform that can significantly change the pharmacology of approved agents. Although the company has historically focused most of its attention on the pain space, their first immuno-oncology asset has caught the attention of the market and led to significant stock appreciation initially. This past June, questions arose about this asset, leading to a stock decline. While the Fund lost money in Nektar, HQL was underweight this stock during the report period.

Bioverativ Inc. (BIVV) was a spinout of Biogen's hemophilia business that was acquired by Sanofi in January. We were not invested in the company at the time due to our caution about new products in the hemophilia A space. This acquisition reinforces Sanofi's strategic intent to be a leader in rare diseases. HQL was underweight this stock during the report period.

Incyte Corporation (INCY) is a large-cap commercial-stage biopharmaceutical company that had a promising late stage pipeline. Earlier this year, a clinical failure of one asset and a regulatory issue with a second asset led to significant downward pressure on the stock. We continue to believe the company is an attractive commercial story but pipeline value will take some time to be realized following these disappointments.

*The trademarks NASDAQ Biotechnology Index[®], S&P 1500[®] Healthcare Index and S&P 500[®] Index referenced in this report are the property of their respective owners. These trademarks are not owned by or associated with the Fund or its service providers, including Tekla Capital Management LLC.

TEKLA LIFE SCIENCES INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2018

SHARES	CONVERTIBLE PREFERRED AND WARRANTS ^(a) - 3.6% of Net Assets	VALUE
	<i>Biotechnology - 2.0%</i>	
	Amphivena Therapeutics, Inc. Series B	
1,400,000	(Restricted) ^(b)	\$ 2,100,000
300,429	Atreca, Inc. Series C1 (Restricted) ^(b)	700,000
	BioClin Therapeutics, Inc. Series A, 6.00%	
1,153,847	(Restricted) ^(b)	750,001
	BioClin Therapeutics, Inc. Series B, 6.00%	
668,449	(Restricted) ^(b)	500,000
	Galera Therapeutics, Inc. Series C, 6.00%	
442,577	(Restricted) ^(b)	979,998
	GenomeDx Biosciences, Inc. Series C, 6.00%	
933,333	(Restricted) ^(b)	310,800
	GenomeDx Biosciences, Inc. Series D, 8.00%	
816,948	(Restricted) ^(b)	249,169
	GenomeDx Biosciences, Inc. Series D Prime, 8.00%	
160,424	(Restricted) ^(b)	146,788
	GenomeDx Biosciences, Inc. Series E, 8.00%	
205,890	(Restricted) ^(b)	48,158
	GenomeDx Biosciences, Inc. Warrants	
112,645	(Restricted, expiration 11/1/27, exercise price \$0.31) ^(b)	0
	Sutro Biopharma Series E, 8.00%	
123,411	(Restricted) ^(b)	1,666,043
	Therachon Holding AG Series B, 8.00%	
375,000	(Restricted) ^(b)	1,500,000
	Trillium Therapeutics, Inc. Series II ^(c)	
90,000		522,000
		9,472,957
	<i>Health Care Equipment & Supplies (Restricted) - 0.4%</i>	

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79,330	CardioKinetix, Inc. Series C, 8.00% (b)	0
142,574	CardioKinetix, Inc. Series D, 8.00% (b)	0
439,333	CardioKinetix, Inc. Series E, 8.00% (b)	0
481,378	CardioKinetix, Inc. Series F, 8.00% (b)	0
N/A ^(d)	CardioKinetix, Inc. Warrants (expiration 12/11/19, exercise price \$0.69) ^(b)	0
N/A ^(d)	CardioKinetix, Inc. Warrants (expiration 6/03/20, exercise price \$0.69) ^(b)	0
8,822	CardioKinetix, Inc. Warrants (expiration 8/15/24, exercise price \$2.85) ^(b)	0
951,000	IlluminOss Medical, Inc. Series AA, 8.00% ^{(b) (e)}	951,000

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

TEKLA LIFE SCIENCES INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2018

(continued)

SHARES	<i>Health Care Equipment & Supplies (Restricted) - continued</i>	VALUE
895,848	IlluminOss Medical, Inc. Junior Preferred, 8.00% (b) (e)	\$ 895,848
47,542	IlluminOss Medical, Inc. Warrants (expiration 1/11/28, exercise price \$1.00) (b) (e)	0
23,771	IlluminOss Medical, Inc. Warrants (expiration 11/20/27, exercise price \$1.00) (b) (e)	0
47,542	IlluminOss Medical, Inc. Warrants (expiration 2/6/28, exercise price \$1.00) (b) (e)	0
71,324	IlluminOss Medical, Inc. Warrants (expiration 3/31/27, exercise price \$1.00) (b) (e)	0
59,426	IlluminOss Medical, Inc. Warrants (expiration 9/6/27, exercise price \$1.00) (b) (e)	0
		1,846,848
	<i>Life Sciences Tools & Services (Restricted) - 0.7%</i>	
2,446,016	Labcyte, Inc. Series C, 8.00% (b)	3,081,980
107,178	Labcyte, Inc. Series D, 8.00% (b)	147,906
81,480	Labcyte, Inc. Series E, 8.00% (b)	131,183
		3,361,069
	<i>Pharmaceuticals (Restricted) - 0.5%</i>	
1,359,927	Curasen Therapeutics, Inc. Series A (b)	1,499,999
659,244	Milestone Pharmaceuticals, Inc. Series C, 8.00% (b)	900,000
		2,399,999
	TOTAL CONVERTIBLE PREFERRED AND WARRANTS	
	(Cost \$21,350,845)	17,080,873
PRINCIPAL AMOUNT	CONVERTIBLE NOTES - 0.3% of Net Assets	
	<i>Biotechnology - 0.1%</i>	
\$ 349,198	Amphivena Therapeutics, Inc. Promissory Note, 6.00% due 6/20/19 (b)	349,198

Health Care Equipment & Supplies - 0.2%

51,741	CardioKinetix, Inc. Promissory Note, 5.00% due 1/31/19 ^(b)	0
285,294	IlluminOss Medical, Inc. Promissory Note, 8.00% due 12/31/18 ^{(b) (e)}	285,294
95,083	IlluminOss Medical, Inc. Promissory Note, 8.00% due 12/31/18 ^{(b) (e)}	95,083

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

TEKLA LIFE SCIENCES INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2018

(continued)

PRINCIPAL AMOUNT	<i>Health Care Equipment & Supplies - continued</i>	VALUE
\$ 190,166	IlluminOss Medical, Inc. Promissory Note, 8.00% due 12/31/18 ^{(b) (e)}	\$ 190,166
190,166	IlluminOss Medical, Inc. Promissory Note, 8.00% due 12/31/18 ^{(b) (e)}	190,166
237,708	IlluminOss Medical, Inc. Promissory Note, 8.00% due 12/31/18 ^{(b) (e)}	237,708
		998,417
	TOTAL CONVERTIBLE NOTES (Cost \$1,399,787)	1,347,615
	COMMON STOCKS AND WARRANTS - 89.7% of Net Assets	
	<i>Biotechnology - 70.5%</i>	
4,120	AbbVie Inc.	389,670
52,739	AC Immune SA ^{(a) (c)}	421,912
37,607	ACADIA Pharmaceuticals Inc. ^(a)	780,721
464,761	Achillion Pharmaceuticals, Inc. ^(a)	1,710,321
326,368	Adaptimmune Therapeutics plc ^{(a) (f)}	4,425,550
254,000	Affimed N.V. ^(a)	1,104,900
82,582	Akebia Therapeutics, Inc. ^(a)	729,199
38,333	Albireo Pharma, Inc. ^(a)	1,263,456
116,178	Alexion Pharmaceuticals, Inc. ^(a)	16,149,904
47,341	Alkermes plc ^(a)	2,009,152
38,303	Alnylam Pharmaceuticals, Inc. ^(a)	3,352,279
180,898	Amarin Corporation plc ^{(a) (f)}	2,943,210
157,553	Amgen Inc.	32,659,161
270,622	Amicus Therapeutics, Inc. ^(a)	3,271,820
13,971	AnaptysBio, Inc. ^(a)	1,393,887
811,227	ARCA biopharma, Inc. ^{(a) (e)}	454,287
	ARCA biopharma, Inc. Warrants (expiration 6/11/22, exercise price \$6.10) ^{(a) (b)} ^(e)	35,694
324,491		35,694
320,135	Ardelyx, Inc. ^(a)	1,392,587
31,474	Arena Pharmaceuticals, Inc. ^(a)	1,448,433
15,188	argenx SE ^{(a) (f)}	1,151,858
103,016	Array Biopharma Inc. ^(a)	1,565,843

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24,507	Ascendis Pharma A/S ^{(a) (f)}	1,736,566
13,850	Athenex, Inc. ^(a)	215,229
11,780	Audentes Therapeutics, Inc. ^(a)	466,370
14,358	BeiGene, Ltd. ^{(a) (f)}	2,472,735
60,000	Bellicum Pharmaceuticals, Inc. ^(a)	369,600

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

TEKLA LIFE SCIENCES INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2018

(continued)

SHARES	<i>Biotechnology - continued</i>	VALUE
109,136	Biogen Inc. ^(a)	\$ 38,558,840
52,024	BioMarin Pharmaceutical Inc. ^(a)	5,044,767
28,152	bluebird bio, Inc. ^(a)	4,110,192
32,267	Blueprint Medicines Corporation ^(a)	2,518,762
334,155	Celgene Corporation ^(a)	29,903,531
74,700	Collectis S.A. ^{(a) (f)}	2,108,034
158,784	Cidara Therapeutics, Inc. ^(a)	698,650
22,800	Clovis Oncology, Inc. ^(a)	669,636
54,956	CRISPR Therapeutics AG ^(a)	2,437,299
78,899	Dermira, Inc. ^(a)	859,999
27,874	Editas Medicine, Inc. ^(a)	886,951
	Eiger BioPharmaceuticals, Inc. Warrants (expiration 10/10/18, exercise price \$84.15) ^{(a) (b)}	0
329		
164,575	Epizyme, Inc. ^(a)	1,744,495
28,785	Esperion Therapeutics, Inc. ^(a)	1,277,190
193,255	Exelixis, Inc. ^(a)	3,424,479
66,438	FibroGen, Inc. ^(a)	4,036,109
24,824	Galapagos NV ^{(a) (c)}	2,807,831
10,180	Galapagos NV ^{(a) (f)}	1,144,537
447,128	Gilead Sciences, Inc.	34,522,753
44,837	Global Blood Therapeutics, Inc. ^(a)	1,703,806
178,214	Incyte Corporation ^(a)	12,311,023
47,712	Innoviva, Inc.	727,131
23,780	Intellia Therapeutics, Inc. ^(a)	680,584
29,451	Ionis Pharmaceuticals, Inc. ^(a)	1,519,083
89,487	Iovance Biotherapeutics, Inc. ^(a)	1,006,729
10,127	Jounce Therapeutics, Inc. ^(a)	65,826
21,290	Lexicon Pharmaceuticals, Inc. ^(a)	227,164
9,295	Loxo Oncology, Inc. ^(a)	1,587,865
122,504	Merus N.V. ^{(a) (c)}	2,418,229
62,194	Molecular Templates, Inc. ^(a)	335,226
73,792	Nektar Therapeutics ^(a)	4,498,360
50,755	Neurocrine Biosciences, Inc. ^(a)	6,240,327
63,211	NewLink Genetics Corporation ^(a)	151,074
358,000	Novavax, Inc. ^(a)	673,040
9,823	NuCana plc ^{(a) (f)}	244,789
160,747	Ovid Therapeutics Inc. ^(a)	911,435
563,608	Pieris Pharmaceuticals, Inc. ^(a)	3,156,205
23,821	Pieris Pharmaceuticals, Inc., Series A Warrants	59,314

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(expiration 6/8/21, exercise price \$3.00) (a)

(b)

Pieris Pharmaceuticals, Inc., Series B

Warrants

(expiration 6/8/21, exercise price \$2.00) (a)

11,911

(b)

36,329

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

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TEKLA LIFE SCIENCES INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2018

(continued)

SHARES		VALUE
	<i>Biotechnology - continued</i>	
44,891	Portola Pharmaceuticals, Inc. ^(a)	\$ 1,195,447
74,951	Protagonist Therapeutics, Inc. ^(a)	771,246
14,720	PTC Therapeutics, Inc. ^(a)	691,840
23,629	Puma Biotechnology, Inc. ^(a)	1,083,390
45,395	Regeneron Pharmaceuticals, Inc. ^(a)	18,341,396
36,695	Sage Therapeutics, Inc. ^(a)	5,183,169
44,196	Sangamo Therapeutics, Inc. ^(a)	749,122
56,541	Sarepta Therapeutics, Inc. ^(a)	9,131,937
67,110	Seattle Genetics, Inc. ^(a)	5,175,523
22,046	Spark Therapeutics, Inc. ^(a)	1,202,609
76,186	Sutro Biopharma, Inc. ^(a)	1,142,790
200,000	Syndax Pharmaceuticals, Inc. ^(a)	1,616,000
35,266	TESARO, Inc. ^(a)	1,375,727
135,000	Trillium Therapeutics Inc. ^{(a) (c)}	783,000
23,539	Ultragenyx Pharmaceutical Inc. ^(a)	1,796,967
37,741	uniQure N.V. ^(a)	1,373,395
7,142	United Therapeutics Corporation ^(a)	913,319
	Vertex Pharmaceuticals Incorporated ^(a)	23,313,059
		335,061,874
	<i>Drug Discovery Technologies - 0.1%</i>	
51,160	Immunogen, Inc. ^(a)	484,485
	<i>Health Care Equipment & Supplies - 2.1%</i>	
49,500	Alliqua BioMedical, Inc. ^(a)	112,365
	Cercacor Laboratories, Inc. (Restricted) ^{(a) (b)}	549,949
130,000	IDEXX Laboratories, Inc. ^(a)	9,228,432
36,964	TherOx, Inc. (Restricted) ^{(a) (b)}	143
7,157		9,890,889
	<i>Health Care Providers & Services (Restricted) - 0.1%</i>	
148,148	InnovaCare Health, Inc. ^{(a) (b) (g)}	401,481
	<i>Life Sciences Tools & Services - 6.5%</i>	
75,374	Illumina, Inc. ^(a)	27,666,780
13,090	Thermo Fisher Scientific Inc.	3,195,007
		30,861,787
	<i>Medical Devices and Diagnostics - 0.1%</i>	
10,570	Genomic Health, Inc. ^(a)	742,225
	<i>Pharmaceuticals - 10.3%</i>	
58,428	Acceleron Pharma Inc. ^(a)	3,343,834
11,790	Aerie Pharmaceuticals, Inc. ^(a)	725,675

236,260

Aerpio Pharmaceuticals, Inc. ^(a)

730,043

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

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TEKLA LIFE SCIENCES INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2018

(continued)

SHARES	<i>Pharmaceuticals - continued</i>	VALUE
12,260	Agios Pharmaceuticals, Inc. ^(a)	\$ 945,491
77,080	ArQule, Inc. ^(a)	436,273
317,800	Avadel Pharmaceuticals plc ^{(a) (f)}	1,395,142
82,665	Clearside Biomedical, Inc. ^(a)	508,390
27,710	Concert Pharmaceuticals, Inc. ^(a)	411,216
169,962	CymaBay Therapeutics, Inc. ^(a)	1,883,179
27,900	Eidos Therapeutics, Inc. ^(a)	278,442
29,100	Endo International plc ^(a)	489,753
12,770	Endocyte, Inc. ^(a)	226,795
109,147	Foamix Pharmaceuticals Ltd. ^{(a) (c)}	625,412
15,790	GW Pharmaceuticals plc ^{(a) (f)}	2,727,565
29,620	Immunomedics, Inc. ^(a)	616,985
8,356	Intersect ENT, Inc. ^(a)	240,235
10,600	Intra-Cellular Therapies, Inc. ^(a)	230,020
38,683	Jazz Pharmaceuticals plc ^(a)	6,503,773
2,720	Ligand Pharmaceuticals, Inc. ^(a)	746,613
2,030	Madriral Pharmaceuticals, Inc. ^(a)	434,684
102,755	Marinus Pharmaceuticals, Inc. ^(a)	1,027,550
35,194	Medicines Company (The) ^(a)	1,052,653
24,784	Menlo Therapeutics, Inc. ^(a)	244,122
4,130	Mirati Therapeutics, Inc. ^(a)	194,523
293,914	Mylan N.V. ^(a)	10,757,252
11,740	MyoKardia, Inc. ^(a)	765,448
67,006	Nightstar Therapeutics plc ^{(a) (f)}	1,368,933
11,770	Repligen Corp ^(a)	652,764
43,329	Revance Therapeutics, Inc. ^(a)	1,076,726
7,570	Rhythm Pharmaceuticals, Inc. ^(a)	220,817
13,967	Shire plc ^(f)	2,531,798
34,880	Spectrum Pharmaceuticals, Inc. ^(a)	585,984
41,030	Teligent, Inc. ^(a)	162,069
284,378	Tetraphase Pharmaceuticals, Inc. ^(a)	784,883
8,083	Theravance Biopharma, Inc. ^(a)	264,072
929,053	Verona Pharma plc ^{(a) (c)}	1,392,567
115,500	Verona Pharma plc ^{(a) (f)}	1,444,905
371,622	Verona Pharma plc Warrants (expiration 4/27/22, exercise price \$2.07) ^{(a) (b) (c)}	35,456
20,294	Zogenix, Inc. ^(a)	1,006,582
		49,068,624
	TOTAL COMMON STOCKS AND WARRANTS	
	(Cost \$287,435,978)	426,511,365

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

TEKLA LIFE SCIENCES INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2018

(continued)

PRINCIPAL AMOUNT	SHORT-TERM INVESTMENT - 2.7% of Net Assets	VALUE
	Repurchase Agreement, Fixed Income Clearing Corp., repurchase value \$13,066,000, 0.42%, dated 9/28/18, due 10/1/18 (collateralized by U.S. Treasury Note 2.125%, due 2/29/24, market value \$13,329,404)	\$ 13,066,000
\$ 13,066,000		
	TOTAL SHORT-TERM INVESTMENT (Cost \$13,066,000)	13,066,000
	TOTAL INVESTMENTS BEFORE MILESTONE INTERESTS - 96.3% (Cost \$323,252,610)	458,005,853
	MILESTONE INTERESTS (Restricted) (a) (b) - 1.8% of Net Assets	
INTEREST	<i>Health Care Equipment & Supplies - 0.7%</i>	
	1 Veniti Milestone Interest	3,154,131
	<i>Pharmaceuticals - 1.1%</i>	
	1 Afferent Milestone Interest	332,243
	Ethismos Research Milestone Interest	0
	1 Neurovance Milestone Interest	1,849,186
	1 TargeGen Milestone Interest	3,110,767
		5,292,196
	TOTAL MILESTONE INTERESTS (Cost \$6,568,511)	8,446,327
	TOTAL INVESTMENTS - 98.1% (Cost \$329,821,121)	466,452,180
	OTHER ASSETS IN EXCESS OF LIABILITIES - 1.9%	9,039,744
	NET ASSETS - 100%	\$475,491,924

(a) Non-income producing security.

(b) Security fair valued using significant unobservable inputs. See Investment Valuation and Fair Value Measurements.

(c) Foreign security.

(d) Number of warrants to be determined at a future date.

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

TEKLA LIFE SCIENCES INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2018

(continued)

(e) Affiliated issuers in which the Fund holds 5% or more of the voting securities (total market value of \$3,335,246).

(f) American Depository Receipt

(g) Security exempt from registration under Rule 144A of the Securities Act of 1933, as amended. These securities may be resold in transactions exempt from registration, normally to qualified institutional buyers.

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

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TEKLA LIFE SCIENCES INVESTORS**STATEMENT OF ASSETS AND LIABILITIES***SEPTEMBER 30, 2018*

ASSETS:	
Investments in unaffiliated issuers, at value (cost \$314,723,192)	\$454,670,607
Investments in affiliated issuers, at value (cost \$8,529,418)	3,335,246
Milestone interests, at value (cost \$6,568,511)	8,446,327
Total investments	466,452,180
Cash	41
Dividends and interest receivable	74,203
Receivable for investments sold	11,117,920
Prepaid expenses	25,993
Other assets (see Note 1)	799,388
Total assets	478,469,725
LIABILITIES:	
Payable for investments purchased	2,348,898
Accrued advisory fee	377,431
Accrued investor support service fees	19,298
Accrued shareholder reporting fees	33,533
Accrued trustee fees	43,442
Accrued other	155,199
Total liabilities	2,977,801
Commitments and Contingencies (see Notes 1)	
NET ASSETS	\$475,491,924
SOURCES OF NET ASSETS:	
Shares of beneficial interest, par value \$.01 per share, unlimited number of shares authorized, amount paid in on 22,406,141 shares issued and outstanding	\$333,784,022
Total distributable earnings (loss)	141,707,902
Total net assets (equivalent to \$21.22 per share based on 22,406,141 shares outstanding)	\$475,491,924

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

TEKLA LIFE SCIENCES INVESTORS**STATEMENT OF OPERATIONS***YEAR ENDED SEPTEMBER 30, 2018*

INVESTMENT INCOME:	
Dividend income (net of foreign tax of \$0)	\$ 1,895,117
Interest and other income	90,706
Total investment income	1,985,823
EXPENSES:	
Advisory fees	4,435,603
Investor support service fees	223,510
Trustees' fees and expenses	155,537
Legal fees	142,693
Shareholder reporting	130,372
Custodian fees	127,226
Auditing fees	103,150
Administration fees	90,968
Transfer agent fees	53,065
Other (see Note 2)	130,810
Total expenses	5,592,934
Net investment loss	(3,607,111)
REALIZED AND UNREALIZED GAIN (LOSS):	
Net realized gain (loss) on:	
Investments in unaffiliated issuers	30,066,528
Investments in affiliated issuers	3,930,702
Foreign currency transactions	(3,575)
Net realized gain	33,993,655
Change in unrealized appreciation (depreciation)	
Investments in unaffiliated issuers	(12,041,090)
Investments in affiliated issuers	5,598,589
Milestone interests	4,720,186
Change in unrealized appreciation (depreciation)	(1,722,315)
Net realized and unrealized gain (loss)	32,271,340
Net increase in net assets resulting from operations	\$ 28,664,229

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

TEKLA LIFE SCIENCES INVESTORS

STATEMENTS OF CHANGES IN NET ASSETS

	Year ended September 30, 2018	Year ended September 30, 2017
NET INCREASE (DECREASE) IN NET ASSETS RESULTING FROM OPERATIONS:		
Net investment loss	(\$ 3,607,111)	(\$ 3,878,771)
Net realized gain	33,993,655	45,304,959
Change in net unrealized appreciation (depreciation)	(1,722,315)	27,129,489
Net increase in net assets resulting from operations	28,664,229	68,555,677
DISTRIBUTIONS TO SHAREHOLDERS FROM (See Note 1):		
Distributions (net investment income, realized gain (loss), other)	(35,685,954)	
Net realized capital gains		(33,490,625)
Total distributions	(35,685,954)	(33,490,625)
CAPITAL SHARE TRANSACTIONS:		
Reinvestment of distributions (833,649 and 853,189 shares, respectively)	16,162,845	16,719,637
Fund shares repurchased (0 and 24,167 shares, respectively) (see Note 1)		(406,764)
Total capital share transactions	16,162,845	16,312,873
Net increase in net assets	9,141,120	51,377,925
NET ASSETS:		
Beginning of year	466,350,804	414,972,879
End of year ^(a)	\$ 475,491,924	\$ 466,350,804

(a) Net assets End of year includes accumulated net investment loss of \$(22,500) for the year ended September 30, 2017. The SEC eliminated this disclosure requirement for 2018.

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

TEKLA LIFE SCIENCES INVESTORS

FINANCIAL HIGHLIGHTS

	For the years ended September 30,				
	2018	2017	2016	2015	2014
OPERATING PERFORMANCE FOR A SHARE OUTSTANDING THROUGHOUT EACH YEAR					
Net asset value per share, beginning of year	\$ 21.62	\$ 20.00	\$ 23.51	\$ 23.37	\$ 20.16
Net investment loss ⁽¹⁾	(0.16)	(0.18)	(0.19)	(0.25)	(0.23)
Net realized and unrealized gain (loss)	1.39	3.39	(0.47)	2.48	5.71
Total increase (decrease) from investment operations	1.23	3.21	(0.66)	2.23	5.48
Distributions to shareholders from:					
Net realized capital gains	(1.63)	(1.59)	(2.85)	(2.09)	(1.70)
Total distributions	(1.63)	(1.59)	(2.85)	(2.09)	(1.70)
Increase resulting from shares repurchased ⁽¹⁾		(2)			
Change due to rights offering					(0.57) ⁽³⁾
Net asset value per share, end of year	\$ 21.22	\$ 21.62	\$ 20.00	\$ 23.51	\$ 23.37
Per share market value, end of year	\$ 20.42	\$ 21.48	\$ 18.73	\$ 22.51	\$ 22.10
Total investment return at market value	3.31%	24.26%	(4.66%)	9.92%	24.20%
Total investment return at net asset value	6.61%	17.12%	(2.52%)	8.56%	25.40%
RATIOS					
Expenses to average net assets	1.25%	1.32%	1.27%	1.21%	1.34%
Expenses to average net assets with waiver				1.17%	1.32%
Net investment loss to average net assets	(0.81%)	(0.92%)	(0.92%)	(0.91%)	(1.07%)
SUPPLEMENTAL DATA					
Net assets at end of year (in millions)	\$ 475	\$ 466	\$ 415	\$ 463	\$ 444
Portfolio turnover rate	37.49%	43.08%	30.99%	45.94%	30.62%

(1) Computed using average shares outstanding.

(2) Rounds to less than \$0.005 per share.

(3) The rights offering shares were issued at a subscription price of \$19.750 which was less than the Fund's net asset value of \$22.78 on June 27, 2014 thus creating a dilution effect on the net asset value per share.

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

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TEKLA LIFE SCIENCES INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2018

(1) Organization and Significant Accounting Policies

Tekla Life Sciences Investors (the Fund) is a Massachusetts business trust formed on February 20, 1992, and registered under the Investment Company Act of 1940 as a non-diversified closed-end management investment company. The Fund commenced operations on May 8, 1992. The Fund's investment objective is long-term capital appreciation through investment in U.S. and foreign companies in the life sciences industry (including biotechnology, pharmaceutical, diagnostics, managed healthcare and medical equipment, hospitals, healthcare information technology and services, devices and supplies), agriculture and environmental management. The Fund invests primarily in securities of public and private companies that are believed by the Fund's Investment Adviser, Tekla Capital Management LLC (the Adviser), to have significant potential for above-average growth. The Fund may invest up to 20% of its net assets in securities of foreign issuers, expected to be located primarily in Western Europe, Canada and Japan, and securities of U.S. issuers that are traded primarily in foreign markets.

The preparation of these financial statements requires the use of certain estimates by management in determining the Fund's assets, liabilities, revenues and expenses. Actual results could differ from these estimates and such differences could be material. The following is a summary of significant accounting policies followed by the Fund, which are in conformity with accounting principles generally accepted in the United States of America (GAAP). The Fund is an investment company and follows accounting and reporting guidance in the Financial Accounting Standards Board Accounting Standards Codification 946. Events or transactions occurring after September 30, 2018, through the date that the financial statements were issued, have been evaluated in the preparation of these financial statements.

Investment Valuation

Shares of publicly traded companies listed on national securities exchanges or trading in the over-the-counter market are typically valued at the last sale price, as of the close of trading, generally 4 p.m., Eastern time. The Board of Trustees of the Fund (the Trustees) has established and approved fair valuation policies and procedures with respect to securities for which quoted prices may not be available or which do not reflect fair value. Convertible bonds, corporate and government bonds are valued using a third-party pricing service. Convertible bonds are valued using this pricing service only on days when there is no sale reported. Restricted securities of companies that are publicly traded are typically valued based on the closing market quote on the valuation date adjusted for the impact of the restriction as determined in good faith by the Adviser also using fair valuation policies and procedures approved by the Trustees described below. Non-exchange traded warrants of publicly traded companies are generally valued using the Black-Scholes model, which incorporates both observable and unobservable inputs. Short-term investments with a maturity of 60 days or less are generally valued at amortized cost, which approximates fair value.

Convertible preferred shares, warrants or convertible note interests in private companies, milestone interests, and other restricted securities, as well as shares of publicly traded companies for which market quotations are not readily available, such as stocks for which trading has been halted or for which there are no current day sales, or which do not reflect fair value, are typically valued in good faith, based upon the recommendations made by the Adviser pursuant to fair valuation policies and procedures approved by the Trustees.

TEKLA LIFE SCIENCES INVESTORS**NOTES TO FINANCIAL STATEMENTS***SEPTEMBER 30, 2018**(continued)*

The Adviser has a Valuation Sub-Committee comprised of senior management which reports to the Valuation Committee of the Board at least quarterly. Each fair value determination is based on a consideration of relevant factors, including both observable and unobservable inputs. Observable and unobservable inputs the Adviser considers may include (i) the existence of any contractual restrictions on the disposition of securities; (ii) information obtained from the company, which may include an analysis of the company's financial statements, the company's products or intended markets or the company's technologies; (iii) the price of the same or similar security negotiated at arm's length in an issuer's completed subsequent round of financing; (iv) the price and extent of public trading in similar securities of the issuer or of comparable companies; or (v) a probability and time value adjusted analysis of contractual terms. Where available and appropriate, multiple valuation methodologies are applied to confirm fair value. Significant unobservable inputs identified by the Adviser are often used in the fair value determination. A significant change in any of these inputs may result in a significant change in the fair value measurement. Due to the uncertainty inherent in the valuation process, such estimates of fair value may differ significantly from the values that would have been used had a ready market for the investments existed, and differences could be material. Additionally, changes in the market environment and other events that may occur over the life of the investments may cause the gains or losses ultimately realized on these investments to be different from the valuations used at the date of these financial statements.

Milestone Interests

The Fund holds financial instruments which reflect the current value of future milestone payments the Fund may receive as a result of contractual obligations from other parties. The value of such payments are adjusted to reflect the estimated risk based on the relative uncertainty of both the timing and the achievement of individual milestones. A risk to the Fund is that the milestones will not be achieved and no payment will be received by the Fund. The milestone interests were received as part of the proceeds from the sale of five private companies. Any payments received are treated as a reduction of the cost basis of the milestone interest with payments received in excess of the cost basis treated as a realized gain. The contractual obligations with respect to the Milestone Interests provide for payments at various stages of the development of Afferent, Ethismos Research, Neurovance, TargeGen and Veniti's principal product candidate as of the date of the sale.

The following is a summary of the impact of the milestone interests on the financial statements as of and for the year ended September 30, 2018:

Statement of Assets and Liabilities, Milestone interests, at value	\$8,446,327
Statement of Assets and Liabilities, Total distributable earnings (loss)	\$1,877,816
Statement of Operations, Change in unrealized appreciation (depreciation) on milestone interests	\$4,720,186

TEKLA LIFE SCIENCES INVESTORS
NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2018

(continued)

Other Assets

Other assets in the Statement of Assets and Liabilities consists of amounts due to the Fund at various times in the future in connection with the sale of investments in five private companies.

Investment Transactions and Income

Investment transactions are recorded on a trade date basis. Gains and losses from sales of investments are recorded using the "identified cost" method. Interest income is recorded on the accrual basis, adjusted for amortization of premiums and accretion of discounts. Dividend income is recorded on the ex-dividend date, less any foreign taxes withheld. Upon notification from issuers, some of the dividend income received may be redesignated as a reduction of cost of the related investment if it represents a return of capital.

The aggregate cost of purchases and proceeds from sales of investment securities (other than short-term investments) for the year ended September 30, 2018 totaled \$164,104,157 and \$197,166,193, respectively.

Repurchase Agreements

In managing short-term investments the Fund may from time to time enter into transactions in repurchase agreements. In a repurchase agreement, the Fund's custodian takes possession of the underlying collateral securities from the counterparty, the market value of which is at least equal to the principal, including accrued interest, of the repurchase transaction at all times. In the event of default or bankruptcy by the other party to the agreement, realization and/or retention of the collateral by the Fund may be delayed. The Fund may enter into repurchase transactions with any broker, dealer, registered clearing agency or bank. Repurchase agreement transactions are not counted for purposes of the limitations imposed on the Fund's investment in debt securities.

Distribution Policy

Pursuant to a Securities and Exchange Commission exemptive order, the Fund may make periodic distributions that include capital gains as frequently as 12 times in any one taxable year in respect of its common shares, and the Fund has implemented a managed distribution policy (the Policy) providing for quarterly distributions at a rate set by the Board of Trustees. Under the current Policy, the Fund intends to make quarterly distributions at a rate of 2% of the Fund's net assets to shareholders of record. The Fund intends to use net realized capital gains when making quarterly distributions, if available, but the Policy would result in a return of capital to shareholders if the amount of the distribution exceeds the Fund's net investment income and realized capital gains. If taxable income and net long-term realized gains exceed the amount required to be distributed under the Policy, the Fund will at a minimum make distributions necessary to comply with the requirements of the Internal Revenue Code. The Policy has been established by the Trustees and may be changed by them without shareholder approval. The Trustees regularly review the Policy and the frequency and rate of distribution considering the purpose and effect of the Policy, the financial market environment, and the Fund's income, capital gains and capital available to pay distributions.

The Fund's policy is to declare quarterly distributions in stock. The distributions are automatically paid in newly-issued full shares of the Fund unless otherwise instructed by the shareholder. Fractional shares will generally be settled in cash, except for registered shareholders with book entry accounts of the Fund's transfer agent who will have whole and fractional

TEKLA LIFE SCIENCES INVESTORS
NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2018

(continued)

shares added to their accounts. The Fund's transfer agent delivers an election card and instructions to each registered shareholder in connection with each distribution. The number of shares issued will be determined by dividing the dollar amount of the distribution by the lower of net asset value or market price on the pricing date. If a shareholder elects to receive a distribution in cash, rather than in shares, the shareholder's relative ownership in the Fund will be reduced. The shares reinvested will be valued at the lower of the net asset value or market price on the pricing date. Distributions in stock will not relieve shareholders of any federal, state or local income taxes that may be payable on such distributions. Additional distributions, if any, made to satisfy requirements of the Internal Revenue Code may be paid in stock, as described above, or in cash.

Share Repurchase Program

In March 2018, the Trustees approved the renewal of the repurchase program to allow the Fund to repurchase up to 12% of its outstanding shares in the open market for a one year period ending July 14, 2019. Prior to this renewal, in March 2017, the Trustees approved the renewal of the share repurchase program to allow the Fund to repurchase up to 12% of its outstanding shares for a one year period ending July 14, 2018. The share repurchase program is intended to enhance shareholder value and potentially reduce the discount between the market price of the Fund's shares and the Fund's net asset value.

During the year ended September 30, 2018, the Fund did not repurchase any shares through the repurchase program.

During the year ended September 30, 2017 the Fund repurchased 24,167 shares at a total cost of \$406,764. The weighted average discount per share between the cost of repurchase and net asset value applicable to such shares at the date of repurchase was 8.33%.

Federal Taxes

It is the Fund's policy to comply with the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute to its shareholders substantially all of its taxable income and its net realized capital gains, if any. Therefore, no Federal income or excise tax provision is required.

As of September 30, 2018, the Fund had no uncertain tax positions that would require financial statement recognition or disclosure. The Fund's federal tax returns are subject to examination by the Internal Revenue Service for a period of three years.

Distributions

The Fund records all distributions to shareholders on the ex-dividend date. Such distributions are determined in conformity with income tax regulations, which may differ from GAAP. These differences include temporary and permanent differences from losses on wash sale transactions, installment sale adjustments and ordinary loss netting to reduce short term capital gains. Reclassifications are made to the Fund's capital accounts to reflect income and gains available for distribution under income tax regulations. At September 30, 2018, the Fund reclassified \$(3,444,156) from accumulated net realized gain on investment and \$3,444,157 to undistributed net investment income to paid in

capital, with a net impact of (\$1), for current period book/tax differences.

TEKLA LIFE SCIENCES INVESTORS
NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2018

(continued)

The tax basis components of distributable earnings and the tax cost as of September 30, 2018 were as follows:

Cost of Investments for tax purposes	\$327,760,176
Gross tax unrealized appreciation	\$187,982,095
Gross tax unrealized depreciation	(\$ 49,290,090)
Net tax unrealized appreciation on investments	\$138,692,005
Undistributed ordinary income	\$ 3,015,898

The Fund has designated the distributions for its taxable years ended September 30, 2018 and 2017 as follows:

Distributions paid from:	2018	2017
Ordinary income (includes short-term capital gain)	\$ 8,366,493	\$ 1,096,494
Long-term capital gain	\$27,319,461	\$32,394,131

Commitments and Contingencies

Under the Fund's organizational documents, its officers and Trustees may be indemnified against certain liabilities and expenses arising out of the performance of their duties to the Fund. Additionally, in the normal course of business, the Fund enters into agreements with service providers that may contain indemnification clauses. The Fund's maximum exposure under these agreements is unknown as this would involve future claims that may be made against the Fund that have not yet occurred. However, based on experience, the Fund expects the risk of loss to be remote.

Investor Support Services

The Fund has retained Destra Capital Advisors LLC (Destra) to provide investor support services in connection with the ongoing operation of the Fund. The Fund pays Destra a fee in an annual amount equal to 0.05% of the average aggregate daily value of the Fund's Managed Assets pursuant to the investor support services agreement.

(2) *Investment Advisory and Other Affiliated Fees*

The Fund has entered into an Investment Advisory Agreement (the Advisory Agreement) with the Adviser. Pursuant to the terms of the Advisory Agreement, the Fund pays the Adviser a monthly fee at the rate when annualized of (i) 2.50% of the average net assets for the month of its venture capital and other restricted securities up to 25% of net assets and (ii) for all other net assets, 0.98% of the average net assets up to \$250 million, 0.88% of the average net assets for the next \$250 million, 0.80% of the average net assets for the next \$500 million and 0.70% of the average net assets thereafter. The aggregate fee would not exceed a rate when annualized of 1.36%.

The Fund has entered into a Services Agreement (the Agreement) with the Adviser. Pursuant to the terms of the Agreement, the Fund reimburses the Adviser for certain services related to a portion of the payment of salary and provision of benefits to the Fund's Chief Compliance Officer. During the year ended September 30, 2018, these payments amounted to \$45,950 and are included in the Other category of expenses in the Statement of Operations, together with insurance and other expenses incurred to unaffiliated entities. Expenses incurred pursuant to the Agreement as well as certain expenses paid for by the Adviser are allocated to the Fund

TEKLA LIFE SCIENCES INVESTORS
NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2018

(continued)

in an equitable fashion as approved by the Trustees of the Fund who are also officers of the Adviser.

The Fund pays compensation to Independent Trustees in the form of a retainer, attendance fees, and additional compensation to Board and Committee chairpersons. The Fund does not pay compensation directly to Trustees or officers of the Fund who are also officers of the Adviser.

(3) Other Transactions with Affiliates

An affiliate company is a company in which the Fund holds 5% or more of the voting securities. Transactions involving such companies during the year ended September 30, 2018 were as follows:

Affiliated Companies	Beginning Value as of September 30, 2017	Purchases at Cost	Proceeds from Sales	Net Realized Gain/(Loss) on sale of Affiliated Companies	Change in Unrealized Appreciation/Depreciation	Ending Value as of September 30, 2018
ARCA Biopharma, Inc.	\$ 924,799	\$	\$	\$	(\$ 434,818)	\$ 489,981
EBI Life Sciences, Inc.	13,102			(13,597)	495	*
Euthymics Biosciences, Inc.				(2,673,162)	2,673,162	*
Illuminoss Medical, Inc.	142,647**	723,474			1,979,144	2,845,265
Veniti, Inc.	2,917,509	266	(10,915,842)	6,617,461	1,380,606	*
	\$ 3,998,057	\$ 723,740	\$(10,915,842)	\$ 3,930,702	\$ 5,598,589	\$ 3,335,246

* Not an affiliate at September 30, 2018

** Not an affiliate at September 30, 2017

Shares/ Principal Amount as of September 30, 2018	Dividend/ Interest Income from Affiliated Companies	Capital Gain Distributions from Affiliated Companies
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ARCA Biopharma, Inc.	1,135,718	\$	\$
EBI Life Sciences, Inc.			
Euthymics Biosciences, Inc.			
IlluminOss Medical, Inc.	8,149,654	73,379	
Veniti, Inc.	9,285,372	\$ 73,379	\$

(4) Fair Value Measurements

The Fund uses a three-tier hierarchy to prioritize the assumptions, referred to as inputs, used in valuation techniques to measure fair value. The three-tier hierarchy of inputs is summarized in the three broad levels. Level 1 includes quoted prices in active markets for identical investments. Level 2 includes prices determined using other significant observable inputs (including quoted prices for similar investments, interest rates, credit risk, etc.). The independent pricing vendor may value bank loans and debt securities at an evaluated bid price by employing methodologies that utilize actual market transactions, broker-supplied valuations, and/or other

TEKLA LIFE SCIENCES INVESTORS**NOTES TO FINANCIAL STATEMENTS**

SEPTEMBER 30, 2018

(continued)

methodologies designed to identify the market value for such securities and such securities are considered Level 2 in the fair value hierarchy. Level 3 includes prices determined using significant unobservable inputs (including the Fund's own assumptions in determining the fair value of investments). These inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

The following is a summary of the levels used as of September 30, 2018 to value the Fund's net assets.

Assets at Value	Level 1	Level 2	Level 3	Total
Convertible Preferred And Warrants				
Biotechnology	\$ 522,000	\$ 1,666,043	\$ 7,284,914	\$ 9,472,957
Health Care				
Equipment & Supplies			1,846,848	1,846,848
Life Sciences				
Tools & Services			3,361,069	3,361,069
Pharmaceuticals			2,399,999	2,399,999
Convertible Notes				
Biotechnology			349,198	349,198
Health Care				
Equipment & Supplies			998,417	998,417
Common Stocks And Warrants				
Biotechnology	334,930,537		131,337	335,061,874
Drug Discovery				
Technologies	484,485			484,485
Health Care				
Equipment & Supplies	9,340,797		550,092	9,890,889
Health Care				
Providers & Services			401,481	401,481
Life Sciences				
Tools & Services	30,861,787			30,861,787
Medical Devices				
And Diagnostics	742,225			742,225
Pharmaceuticals	49,033,168		35,456	49,068,624
Short-term				
Investment		13,066,000		13,066,000
Milestone Interests				
Health Care				
Equipment & Supplies			3,154,131	3,154,131

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Pharmaceuticals			5,292,196	5,292,196
Other Assets			799,388	799,388
Total	\$425,914,999	\$14,732,043	\$26,604,526	\$467,251,568

TEKLA LIFE SCIENCES INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2018

(continued)

The following is a reconciliation of Level 3 assets for which significant unobservable inputs were used to determine fair value.

Investment in Securities	Balance as of September 30, 2017	Net realized gain (loss) and change in unrealized appreciation (depreciation)	Cost of purchases and conversions	Proceeds of sales and conversions	Net transfers in (out of) Level 3	Balance as of September 30, 2018
Convertible Preferred and Warrants						
Biotechnology	4,596,436	(\$ 972,621)	\$ 3,661,099		\$ 0	\$ 7,284,914
Health Care Equipment & Supplies						
Life Sciences Tools & Services	3,361,069	(1,134)	1,134	0	0	3,361,069
Pharmaceuticals	400,000	(1,252)	1,501,251	0	0	2,399,999
Convertible Notes						
Biotechnology	0	(128)	349,326	0	0	349,198
Health Care Equipment & Supplies						
Pharmaceuticals	154,983	129,099	715,445	(1,100)	0	998,417
Pharmaceuticals	0	0	0	0	0	0
Common Stocks and Warrants						
Biotechnology	140,479	(9,142)	0	0	0	131,337
Health Care Equipment & Supplies						
Health Care Providers & Services	284,445	265,647	0	0	0	550,092
Health Care Providers & Services	322,963	78,518	0	0	0	401,481

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Pharmaceuticals	38,636	(103,180)	0	0	0	35,456
Milestone Interests						
Health						
Care						
Equipment						
&						
Supplies	0	367,847	2,786,284	0	0	3,154,131
Pharmaceuticals	460,996	4,352,338	3,205	(3,724,343)	0	5,292,196
Other						
Assets	693,984	0	1,006,157	(900,753)		799,388
Total	\$ 19,036,633	\$ 13,196,531	\$ 10,035,309	(\$ 15,663,947)	\$ 0	\$ 26,604,526
Net change in unrealized appreciation (depreciation) from investments still held as of September 30, 2018						\$ 5,969,540

TEKLA LIFE SCIENCES INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2018

(continued)

The following is a quantitative disclosure about significant unobservable inputs used in the determination of the fair value of Level 3 assets.

	Fair Value at September 30, 2018	Valuation Technique	Unobservable Input	Range (Weighted Average)
Private Companies and Other Restricted Securities	\$716,742	Income approach, Black-Scholes	Discount for lack of marketability	20%-50% (26.42%)
	11,560,448	Probability-weighted expected return model	Discount rate Price to sales multiple	18.96%-45.35% (29.41%) 2.76x-11.36x (5.48x)
	4,680,140	Market approach, recent transaction	(a)	N/A
	401,481	Market comparable	Discount for lack of marketability Price to earnings multiple	50% 17.00x
	9,245,715	Probability adjusted value	Probability of events Timing of events	15%-99% (45.14%) 0.25-18.5 (2.81) years
	\$26,604,526			

(a) The Valuation technique used as a basis to approximate fair value of these investments is based upon subsequent financing rounds. There is no quantitative information as these methods of measure are investment specific.

(5) Private Companies and Other Restricted Securities

The Fund may invest in private companies and other restricted securities if these securities would currently comprise 40% or less of net assets. The value of these securities represented 6% of the Fund's net assets at September 30, 2018.

At September 30, 2018, the Fund had a commitment of \$2,686,936 relating to additional investments in two private companies.

The following table details the acquisition date, cost, carrying value per unit, and value of the Fund's private companies and other restricted securities at September 30, 2018. The Fund on its own does not have the right to demand that such securities be registered.

Security (#)	Acquisition Date	Cost	Carrying Value per Unit	Value
Afferent Milestone Interest	7/27/16	\$ 161,872	\$332,243.00	\$ 332,243

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Amphivena Therapeutics, Inc.

Series B Cvt. Pfd	7/17/17	2,101,732	1.50	2,100,000
Cvt. Promissory Note	6/20/18	349,291	100.00	349,198

Atreca, Inc.

Series C1 Cvt. Pfd	09/05/18	700,000	2.33	700,000
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BioClin Therapeutics, Inc.

	1/19/16,			
Series A Cvt. Pfd	10/24/16	750,524	0.65	750,001
Series B Cvt. Pfd	3/3/17	500,016	0.75	500,000

CardioKinetix, Inc.

Series C Cvt. Pfd	5/22/08	1,653,409	0.00	0
Series D Cvt. Pfd	12/10/10	546,109	0.00	0
Series E Cvt. Pfd	9/14/11	1,254,419	0.00	0
Series F Cvt. Pfd	12/04/14	1,645,812	0.00	0

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TEKLA LIFE SCIENCES INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2018

(continued)

Security (#)	Acquisition Date	Cost	Carrying Value per Unit	Value
Cvt. Promissory Note	6/20/17	\$ 51,774	\$ 0.00	\$ 0
Warrants (expiration 12/10/09, 12/11/19)	2/11/10	123	0.00	0
Warrants (expiration 6/03/20)	6/03/10, 9/01/10	123	0.00	0
Warrants (expiration 8/15/24)	8/15/14	142	0.00	0
Cercacor Laboratories, Inc. Common	3/31/98	0	4.23	549,949
Curasen Therapeutics, Inc. Series A Cvt. Pfd	09/18/18	1,500,000	1.10	1,499,999
Ethismos Research, Inc. Milestone Interest	10/31/17	0	0.00	0
Galera Therapeutics, Inc. Series C Cvt. Pfd	08/30/18	979,998	2.21	979,998
GenomeDx Biosciences, Inc. Series C Cvt. Pfd	2/22/16	1,402,742	0.33	310,800
Series D Cvt. Pfd	04/04/18	214,336	0.31	249,169
Series D Prime Cvt. Pfd	04/04/18	48,977	0.92	146,788
Series E Cvt. Pfd	07/20/18	48,158	0.23	48,158
Warrants (expiration 11/1/27)	04/04/18	33	0.00	0
IlluminOss Medical, Inc. Series AA Cvt. Pfd	1/21/16	960,650	1.00	951,000
Junior Preferred	1/21/16	1,566,291	1.00	895,848
Cvt. Promissory Note	3/28/17	285,489	100.00	285,294
Cvt. Promissory Note	12/20/17	95,163	100.00	95,083
Cvt. Promissory Note	01/11/18	190,196	100.00	190,166
Cvt. Promissory Note	02/06/18	190,166	100.00	190,166
Cvt. Promissory Note	09/05/18	237,708	100.00	237,708
	01/11/18	29	0.00	0

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Warrants (expiration 1/11/28)				
Warrants (expiration 11/20/27)	11/21/17	87	0.00	0
Warrants (expiration 2/6/28)	2/06/18	0	0.00	0
Warrants (expiration 3/31/27)	3/28/17	331	0.00	0
Warrants (expiration 9/6/27)	09/05/18	0	0.00	0
InnovaCare Health, Inc. Common	12/21/12†	643,527	2.71	401,481
Labcyte, Inc.				
Series C Cvt. Pfd	7/18/05	1,285,854	1.26	3,081,980
Series D Cvt. Pfd	12/21/12	68,691	1.38	147,906
Series E Cvt. Pfd	3/27/17	70,826	1.61	131,183
Milestone Pharmaceuticals, Inc.				
Series C Cvt. Pfd	7/17/17	901,252	1.37	900,000
Neurovance				
Milestone Interest	3/20/17	3,417,500	1,849,186.00	1,849,186
Sutro Biopharma				
Series E Cvt. Pfd	07/26/18	1,200,181	13.50	1,666,043
TargeGen Milestone				
Interest	7/20/10	202,855	3,110,767.00	3,110,767
Therachon Holding AG				
Series B Cvt. Pfd	07/17/18	1,500,000	4.00	1,500,000
TherOx, Inc.				
Common	9/11/00, 7/8/05	2,388,427	0.02	143
Veniti Milestone				
Interest	08/16/18	2,786,284	3,154,131.00	3,154,131
		\$31,901,097		\$27,304,388

(#) See Schedule of Investments and corresponding footnotes for more information on each issuer.

† Interest received as part of a corporate action for a previously owned security.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Trustees and Shareholders of Tekla Life Sciences Investors:

We have audited the accompanying statement of assets and liabilities of Tekla Life Sciences Investors (the "Fund"), including the schedule of investments, as of September 30, 2018, the related statements of operations for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, the financial highlights for each of the five years in the period then ended, and the related notes. In our opinion, the financial statements and financial highlights present fairly, in all material respects, the financial position of the Fund as of September 30, 2018, and the results of its operations for the year then ended, the changes in its net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended in conformity with accounting principles generally accepted in the United States of America.

These financial statements and financial highlights are the responsibility of the Fund's management. Our responsibility is to express an opinion on the Fund's financial statements and financial highlights based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Fund in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement, whether due to error or fraud. The Fund is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements and financial highlights, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements and financial highlights. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements and financial highlights. Our procedures included confirmation of securities owned as of September 30, 2018 by correspondence with the custodian and brokers; when replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

DELOITTE & TOUCHE LLP
Boston, Massachusetts
November 20, 2018

We have served as the auditor of one or more Tekla Capital Management investment companies since 2004.

TEKLA LIFE SCIENCES INVESTORS

TRUSTEES

Name, Address ¹ , Date of Birth, Length of Time Served, Principal Occupation(s) During Past 5 Years and Other Directorship Held	Position(s) Held with Fund, Term of Office ²	Number of Portfolios in Fund Complex Overseen by Trustee
Michael W. Bonney , Born: 8/1958 ⁴	Trustee since 2011	4
Chief Executive Officer and Chairman of the Board of Trustees, Kaleido Biosciences (since 2017); Partner, Third Rock Ventures (2016); Chief Executive Officer and Director, Cubist Pharmaceuticals, Inc. (2012-2015); President, Chief Executive Officer and Director, Cubist Pharmaceuticals, Inc. (2002-2012); Director, Magenta Therapeutics (since 2016); Director, Global Blood Therapeutics (since 2016); Director, Revolution Medicine (since 2016); Director, Celgene Corporation (since 2015); Director, Whitehead Institute (since 2015); Director, Alnylam Pharmaceuticals, Inc. (since 2014); Director, Gulf of Maine Research Institute (since 2015); Director, NPS Pharmaceuticals, Inc. (2012-2015); Chairman of the Board of Trustees, Bates College (since 2010); Board member of Pharmaceutical Research and Manufacturers of America (PhRMA) (2009-2014) Trustee, Bates College (since 2002).		
Rakesh K. Jain, Ph.D. , Born: 12/1950	Trustee since 2007	4
Director, Steele Lab of Tumor Biology at Massachusetts General Hospital (since 1991); A.W. Cook Professor of Tumor Biology (Radiation Oncology) at Harvard Medical School (since 1991); Ad hoc Consultant/Scientific Advisory Board Member for pharmaceutical/biotech companies (various times since 2002); Ad hoc Consultant, Gershon Lehman Group (since 2004); Director, Co-Founder, XTuit Pharmaceuticals, Inc. (since 2012).		
Thomas M. Kent, CPA , Born: 6/1953	Trustee since 2017	4
Partner, PricewaterhouseCoopers LLP (1989-2013); Director, Principal Global Investors Trust Co. (since 2014); Director, Thayer Academy (since 2009); Director, New England Canada Business Council (since 2017).		
Oleg M. Pohotsky, J.D. , Born: 3/1947	Trustee since 2000, Chairman since 2012	4
Consultant and Managing Partner, Right Bank Partners (since 2002); Adviser, Board Advisers, Kaufman & Co. LLC (since 2008); Director, AvangardCo Investments Holdings (since 2011); Director, The New America High Income Fund, Inc. (since 2013).		
William S. Reardon , Born: 6/1946	Trustee since 2010	4

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Independent Consultant (since 2002); Director, Idera Pharmaceuticals, Inc (since 2002); Director, Synta Pharmaceuticals, Inc. (2004-2016).

Lucinda H.

Stebbins, CPA,

Born: 11/1945

Trustee since 2006

4

Independent Consultant, Deutsche Bank (2004-2015); Director, Bald Peak Land Company (2008-2014); Director, Solstice Home Care, Inc. (since 2014).

TEKLA LIFE SCIENCES INVESTORS

INTERESTED TRUSTEES

Name, Address ¹ , Date of Birth, Length of Time Served, Principal Occupation(s) During Past 5 Years and Other Directorship Held	Position(s) Held with Fund, Term of Office ²	Number of Portfolios in Fund Complex Overseen by Trustee
Daniel R. Omstead, Ph.D. , Born: 7/1953	President since 2001, Trustee since 2003	4

President of the Fund (since 2001), of Tekla Healthcare Investors (HQH) (since 2001), of Tekla Healthcare Opportunities Fund (THQ) (since 2014) of Tekla World Healthcare Fund (THW) (since 2015); President, Chief Executive Officer and Managing Member of Tekla Capital Management LLC (Since 2002); Director: Palyon Medical Corporation (2009-2015); Tibion Corporation (2011-2013); Celladon Corporation (2012-2014); IlluminOss Medical, Inc. (since 2011); Magellan Diagnostics, Inc.(2006-2016); Dynex Corporation (2011-2017); Inshitra Medical, Inc. (2015-2016); Neurovance, Inc. (2015-2017); EBI Life Sciences, Inc. (2015-2017); Euthymics Biosciences, Inc. (2015-2017); Veniti, Inc. (2015-2018); Joslin Diabetes Center (since 2016) Genome Dx Biosciences Inc. (2016-2018).

¹ The Address for each Trustee is: Tekla Life Sciences Investors, 100 Federal Street, 19th Floor, Boston, Massachusetts, 02110, 617-772-8500.

² Each Trustee currently is serving a three year term.

³ Trustee considered to be an "interested person" within the meaning of the Investment Company Act of 1940, as amended (the "1940 Act"), through position or affiliation with the Adviser.

⁴ Mr. Bonney resigned as a Trustee effective November 1, 2018.

OFFICERS

Name, Address ¹ , Date of Birth, Position(s) Held with Fund, Term of Office ² and Length of Time Served	Principal Occupation(s) During Past 5 Years
Daniel R. Omstead, Ph.D. , Born: 7/1953	President since 2001
President of the Fund, of HQH (since 2001), of THQ (since 2014) of THW (since 2015); President, Chief Executive Officer and Managing Member of Tekla Capital Management LLC (Since 2002).	
Laura Woodward, CPA , Born: 11/1968	Chief Compliance Officer, Secretary and Treasurer since 2009

Chief Compliance Officer, Secretary and Treasurer, the Fund, HQH (since 2009), THQ (since 2014) and THW (since 2015); Chief Compliance Officer and Vice President of Fund Administration, Tekla Capital Management LLC (since 2009); Senior Manager, PricewaterhouseCoopers LLP (1990-2009).

¹ The Address for each officer is: Tekla Life Sciences Investors; 100 Federal Street, 19th Floor, Boston, Massachusetts, 02110, 617-772-8500.

² Each officer serves in such capacity for an indefinite period of time at the pleasure of the Trustees.

The Fund's Statement of Additional Information includes additional information about the Fund's Trustees and is available without charge, upon request by calling (617) 772-8500 or writing to Tekla Capital Management LLC at 100 Federal Street, 19th Floor, Boston, MA 02110.

TEKLA LIFE SCIENCES INVESTORS

ANNUAL MEETING REPORT: An Annual Meeting of Shareholders was held on June 14, 2018. Shareholders voted to elect Trustees of the Fund to hold office for a term of three years or until their respective successors shall have been duly elected and qualified. The following votes were cast with respect to each of the nominees:

	For	Withheld
Daniel R. Omstead, Ph.D.	19,332,160	833,183
Lucinda H. Stebbins, CPA	19,304,051	861,292

Lucinda H. Stebbins, CPA and Daniel R. Omstead, Ph.D. were elected to serve until the 2021 Annual Meeting.

Trustees serving until the 2019 Annual Meeting are Michael W. Bonney*, Rakesh K. Jain, Ph.D. and Thomas M. Kent, CPA.

Trustees serving until the 2020 Annual Meeting are Olg M. Pohotsky, J.D. and William S. Reardon.

* Mr. Bonney resigned as a Trustee effective November 1, 2018.

Shareholders ratified the appointment of Deloitte & Touche LLP as the independent registered public accountants of the Fund for the fiscal year ending September 30, 2018 by the following votes:

For	Against	Abstain
19,570,579	234,716	360,048

Shareholders opposed a shareholder proposal regarding annual terms of trustees by the following votes:

For	Against	Abstain	Non-Votes
3,136,267	5,390,932	499,391	11,138,752

FOR MORE INFORMATION: A description of the Fund's proxy voting policies and procedures and information on how the Fund voted proxies relating to portfolio securities during the most recent 12-month period ended June 30 is available (i) without charge, upon request by calling 1-800-451-2597; (ii) by writing to Tekla Capital Management LLC at 100 Federal Street, 19th Floor, Boston, MA 02110; (iii) on the Fund's website at www.Teklacap.com; and (iv) on the SEC's website at <http://www.sec.gov>.

The Fund's complete Schedule of Investments for the first and third quarters of its fiscal year will be filed quarterly with the SEC on Form N-Q. This Schedule of Investments will also be available on the Fund's website at www.Teklacap.com, or the SEC's website at <http://www.sec.gov>.

You can find information regarding the Fund at the Fund's website, www.Teklacap.com. The Fund regularly posts information to its website, including information regarding daily share pricing and distributions and press releases, and maintains links to the Fund's SEC filings. The Fund currently publishes and distributes quarterly fact cards, including performance, portfolio holdings and sector information for each fiscal quarter. These fact cards will be available on the Fund's website and by request from the Fund's marketing and investor support services agent, Destra Capital Advisors, at 1-877-855-3434.

TEKLA LIFE SCIENCES INVESTORS

FEDERAL TAX INFORMATION (unaudited): Certain information for the Fund is required to be provided to shareholders based on the Fund's income and distributions for the taxable year ended December 31, 2018. In February 2019, shareholders will receive Form 1099-DIV, which will include their share of qualified dividends and capital gains and return of capital distributed during the calendar year 2018. Shareholders are advised to check with their tax advisors for information on the treatment of these amounts on their individual tax returns.

For corporate shareholders, 17.53% of ordinary income dividends paid by the Fund qualified for the dividends received deduction during the period July 31, 2018 to September 30, 2018.

Under Section 854(b)(2) of the Code, the Fund designated \$1,895,117 as qualified dividends for the year ended September 30, 2018.

DISTRIBUTION POLICY: The Fund has a managed distribution policy as described in the Notes to Financial Statements. For more information contact your financial adviser.

SHARE REPURCHASE PROGRAM: In March 2018, the Trustees approved the renewal of the repurchase program to allow the Fund to repurchase up to 12% of its outstanding shares for a one year period ending July 14, 2019.

PORTFOLIO MANAGEMENT: Daniel R. Omstead, Ph.D., Jason C. Akus, M.D./M.B.A., Timothy Gasperoni, M.B.A, Ph.D., Christian M. Richard, M.B.A, M.S., Henry Skinner Ph.D., Ashton L. Wilson, Christopher Abbott, Robert Benson, CFA, CAIA, Richard Goss, Alan Kwan, M.B.A, Ph.D. and Loretta Tse, Ph.D. are members of a team that analyzes investments on behalf of the Fund. Dr. Omstead exercises ultimate decision making authority with respect to investments.

TEKLA LIFE SCIENCES INVESTORS

New York Stock Exchange Symbol: HQL
NAV Symbol: XHQLX

100 Federal Street, 19th Floor
Boston, Massachusetts 02110
(617) 772-8500
www.teklacap.com

Officers

Daniel R. Omstead, Ph.D., President
Laura Woodward, CPA, Chief Compliance Officer,
Secretary and Treasurer

Trustees

Rakesh K. Jain, Ph.D.
Thomas M. Kent, CPA
Daniel R. Omstead, Ph.D.
Oleg M. Pohotsky, J.D.
William S. Reardon
Lucinda H. Stebbins, CPA

Investment Adviser

Tekla Capital Management LLC

Administrator & Custodian

State Street Bank and Trust Company

Transfer Agent

Computershare, Inc.

Legal Counsel

Dechert LLP

Shareholders with questions regarding share transfers may call

1-800-426-5523

Daily net asset value may be obtained from
our website (www.teklacap.com) or by calling

617-772-8500

Item 2. CODE OF ETHICS.

- (a) As of the end of the period covered by this report, the Registrant has adopted a code of ethics that applies to the Registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the Registrant or a third party.
- (b) No disclosures are required by this Item.
- (c) During the period covered by this report, the Registrant did not make any substantive amendment to the code of ethics.
- (d) During the period covered by this report, the Registrant did not grant any waiver, including any implicit waiver, from any provision of the code of ethics.
- (e) Not applicable.
- (f) A copy of the Registrant's code is filed as Exhibit 1 to this Form N-CSR. Copies of the Code will also be made available, free of charge, upon request, by writing or calling Tekla Capital Management LLC at 100 Federal Street, 19th Floor, Boston, MA 02110, 617-772-8500.

ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

The Registrant's Board of Trustees has determined that the Registrant has at least one audit committee financial expert serving on its audit committee. The audit committee financial expert is Oleg M. Pohotsky. He is independent for the purposes of Item 3.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

- (a) **Audit Fees.** The aggregate fees billed for each of the last two fiscal years for professional services rendered by the principal accountant for the audit of the Registrant's annual financial statements or services that are normally provided by the accountant in connection with statutory and regulatory filings or engagements for those

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fiscal years were \$96,800 for the fiscal year ended September 30, 2018 and \$94,000 for the fiscal year ended September 30, 2017.

(b) **Audit Related Fees.** The Registrant was not billed any fees in each of the last two fiscal years ended September 30 for assurance and related services by the principal accountant that are reasonably related to the performance of the audit of the Registrant's financial statements and not otherwise included above.

(c) **Tax Fees.** The aggregate fees billed in each of the last two fiscal years for professional services rendered by the principal accountant for tax compliance, tax advice, and tax planning were \$2,750 for the fiscal year ended September 30, 2018 and \$5,500 for the fiscal year ended September 30, 2017. The nature of the services comprising the fees disclosed under this category was tax compliance.

(d) **All Other Fees.** The Registrant was not billed any fees in each of the last two fiscal years ended September 30 for products and services provided by the principal accountant, other than the services reported in paragraphs (a) through (c) of this Item.

(e) **(1) Pre-approval Policies and Procedures.**

Pursuant to the Registrant's Audit Committee Charter (Charter), the Audit Committee is responsible for approving in advance the firm to be employed as

the Registrant's independent auditor. In addition, the Charter provides that the Audit Committee is responsible for approving any and all proposals by the Registrant, its investment adviser or their affiliated persons or any entity controlling, controlled by, or under common control with the adviser that provides services to the Registrant to employ the independent auditor to render permissible non-audit services related directly to the operations and financial reporting of the Registrant. In determining whether to pre-approve non-audit services, the Audit Committee considers whether such services are consistent with the independent auditor's independence. The Charter further permits the Audit Committee to delegate to one or more of its members authority to pre-approve permissible non-audit services to the registrant, provided that any pre-approval determination of a delegate is for services with an estimated budget of less than \$15,000.

(2) None of the services described in each of paragraphs (b) through (d) of this Item were approved by the Audit Committee pursuant to paragraph (c)(7)(i)(C) of Rule 2-01 of Regulation S-X. All services described in paragraphs (b) through (d) of the NCSR were approved in advance by the Audit Committee of each Fund.

(f) Not applicable.

(g) None.

(h) Not applicable.

ITEM 5. AUDIT COMMITTEE OF LISTED REGISTRANTS.

The Registrant has a separately-designated standing Audit Committee established in accordance with Section 3(a)(58)(A) of the Securities Exchange Act (15 U.S.C. 78c(a)(58)(A)). The members of the Audit Committee are Oleg M. Pohotsky, Lucinda H. Stebbins, Thomas M. Kent, and William S. Reardon.

ITEM 6. INVESTMENTS.

The Registrant's Schedule of Investments is included as part of the Report to Shareholders filed under Item 1 of this form.

ITEM 7. DISCLOSURE OF PROXY VOTING POLICIES AND PROCEDURES FOR CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

The Registrant has adopted the following proxy voting policies and procedures.

PROXY VOTING POLICIES AND PROCEDURES

Policy

The following are the policies and procedures adopted and implemented by Tekla Capital Management LLC (TCM) for voting proxies with respect to portfolio securities held by Tekla Healthcare Investors, Tekla Life Sciences Investors, Tekla Healthcare Opportunities Fund and Tekla World Healthcare Fund (each a Fund and collectively the Funds). The policies and procedures are reasonably designed to ensure that proxies are voted in the best interest of the Funds and the Funds' shareholders, in accordance with TCM's fiduciary duties and Rule 206(4)-6 under the Investment Advisers Act of 1940 (the Investment Advisers Act). TCM considers the best interests of the Funds and their shareholders to mean their best long-term economic interests.

TCM shall vote proxies for the exclusive benefit, and in the best economic interest, of the Funds and their shareholders. Such exercise of voting rights shall be subject to the same standard of care as is generally applicable to TCM's performance of its duties, as set forth in the advisory agreements with the Funds. The policies and procedures contained herein are designed to be guidelines, however each vote is ultimately cast on a case-by-case basis, taking into consideration the relevant facts and circumstances at the time of the vote. Any material conflicts that may arise will be resolved in the best interests of the Funds and their shareholders.

A proxy committee has been designated and is responsible for administering and overseeing the proxy voting process. The committee consists of the President of TCM, TCM's Chief Compliance Officer (CCO), and the analyst responsible for oversight of the company that is the subject of the proxy. The committee considers proxy questions and determines the vote on behalf of the Funds.

Procedures

Logistics

TCM's CCO shall be responsible for maintaining the proxy log, monitoring corporate actions and confirming the timely voting of proxies. The proxy log shall contain the following information, in accordance with Form N-PX:

- the name of the issuer;
- the exchange ticker symbol, if available;
- the CUSIP number, if available;
- the shareholder meeting date;
- a brief identification of the matter voted on;
- whether the matter was proposed by the issuer or a security holder;
- whether TCM cast its vote on the matter;
- how TCM cast its vote on the matter (for, against, abstain; for or withhold regarding the election of directors); and
- whether TCM cast its vote for or against management;

TCM's CCO shall also record whether any conflicts of interest have been identified and, if so, what action was taken to resolve the conflict with respect to each vote cast and each abstention.

Substantive Voting Decisions

TCM's substantive voting decisions turn on the particular facts and circumstances of each proxy vote. The following is a list of common proxy vote issues and TCM's standard considerations when determining how to vote such proxies.

Routine Matters/Corporate Administrative Items. After an initial review, TCM generally votes with management on routine matters related to the operation of the issuer that are not expected to have a significant economic impact on the issuer and/or its shareholders.

Potential for Major Economic Impact. TCM may review and analyze on a case-by-case basis, non-routine proposals that are more likely to affect the structure and operation of the issuer and to have a greater impact on the value of the investment.

Corporate Governance. TCM may review and consider corporate governance issues related to proxy matters and generally supports proposals that foster good corporate governance practices.

Special Interest Issues. TCM may consider: (i) the long-term benefit to shareholders of promoting corporate accountability and responsibility on social issues; (ii) management's responsibility with respect to special interest issues; (iii) any economic costs and restrictions on management; and (iv) the responsibility of TCM to vote proxies for the greatest long-term shareholder value.

Limitations on Director Tenure and Retirement. TCM may consider: (i) a reasonable retirement age for directors, *e.g.* 70 or 72; (ii) the introduction of new perspectives on the board; and (iii) the arbitrary nature of such limitations and the possibility of detracting from the board's stability and continuity.

Directors' Minimum Stock Ownership. TCM may consider: (i) the benefits of additional vested interest; (ii) the ability of a director to serve a company well regardless of the extent of his or her share ownership; and (iii) the impact of limiting the number of persons qualified to be directors.

D&O Indemnification and Liability Protection. TCM may consider: (i) indemnifying directors for acts conducted in the normal course of business; (ii) limiting liability for monetary damages for violating the duty of care; (iii) expanding coverage beyond legal expenses to acts that represent more serious violations of fiduciary obligation than carelessness (*e.g.* negligence); and (iv) providing expanded coverage in cases when a director's legal defense was unsuccessful if the director was found to have acted in good faith and in a manner that he or she reasonably believed was in the best interests of the issuer.

Director Nominations in Contested Elections. TCM may consider: (i) long-term financial performance of the issuer relative to its industry; (ii) management's track record; (iii) background to proxy contest; (iv) qualifications of both slates of nominees; (v) evaluations of what each side is offering shareholders as well as the likelihood that the proposed objectives and goals can be met; and (vi) stock ownership positions.

Cumulative Voting. TCM may consider: (i) the ability of significant stockholders to elect a director of their choosing; (ii) the ability of minority shareholders to concentrate their support in favor of a director or directors of their choosing; and (iii) the potential to limit the ability of directors to work for all shareholders.

Classified Boards. TCM may consider: (i) providing continuity; (ii) promoting long-term planning; and (iii) guarding against unwanted takeovers.

Poison Pills. TCM may consider: (i) TCM's position on supporting proposals to require a shareholder vote on other shareholder rights plans; (ii) ratifying or redeeming a poison pill in the interest of protecting the value of the issuer; and (iii) other alternatives to prevent a takeover at a price demonstrably below the true value of the issuer.

Fair Price Provisions. TCM may consider: (i) the vote required to approve the proposed acquisition; (ii) the vote required to repeal the fair price provision; (iii) the mechanism for determining fair price; and (iv) whether these provisions are bundled with other anti-takeover measures (e.g., supermajority voting requirements) that may entrench management and discourage attractive tender offers.

Equal Access. TCM may consider: (i) the opportunity for significant shareholders of the issuer to evaluate and propose voting recommendations on proxy proposals and director nominees, and to nominate candidates to the board; and (ii) the added complexity and burden.

Charitable Contributions. TCM may consider: (i) the potential benefits to shareholders; (ii) the potential to detract the issuer's resources from more direct uses of increasing shareholder value; and (iii) the responsibility of shareholders to make individual contributions.

Stock Authorizations. TCM may consider: (i) the need for the increase; (ii) the percentage increase with respect to the existing authorization; (iii) voting rights of the stock; and (iv) overall capitalization structures.

Preferred Stock. TCM may consider: (i) whether the new class of preferred stock has unspecified voting, conversion, dividend distribution, and other rights; (ii) whether the issuer expressly states that the stock will not be used as a takeover defense or carry superior voting rights; (iii) whether the issuer specifies the voting, dividend, conversion, and other rights of such stock and the terms of the preferred stock appear reasonable; and (iv) whether the stated purpose is to raise capital or make acquisitions in the normal course of business.

Director Compensation. TCM may consider: (i) whether director shares are at the same market risk as those of the

shareholders; and (ii) how option programs for outside directors compare with the standards of internal programs.

Golden and Tin Parachutes. TCM may consider: (i) whether they will be submitted for shareholder approval; and (ii) the employees covered by the plan and the quality of management.

Compensation. TCM may consider: (i) Whether the company has an independent compensation committee; (ii) whether the compensation committee engaged independent consultants; (iii) whether the compensation committee has lapsed or waived equity vesting restrictions; and (iv) whether the company has adopted or extended a Golden Parachute without shareholder approval. TCM will generally support annual advisory votes on executive compensation.

Limitations

TCM may abstain from voting a proxy if it concludes that the effect on shareholders' economic interests or the value of the portfolio holding is indeterminable or insignificant. TCM may abstain from voting a proxy if it concludes that the cost of voting is disproportionate to the economic impact the vote would have on the portfolio holdings. With respect to certain privately held companies, TCM may not have the opportunity to vote or may have a limitation on its ability to vote. For example, in certain cases a company may be permitted by its charter or other governing documents to take action without a shareholder meeting and with written consent of fewer than all shareholders.

Conflicts of Interest

The Proxy Committee identifies any potential conflicts of interest. Each potential conflict must be addressed in a manner which will be in the best interest of the Funds and their shareholders. If any potential conflict is identified the Proxy Committee consults with the Funds' counsel. Where conflicts of interest arise between clients and TCM, TCM may convene an ad-hoc committee to debate the conflict and to give a ruling on a preferred course of action. If the ad-hoc committee determines that TCM has a conflict of interest in any instance, TCM's CCO shall disclose the conflict to the Board and seek voting instructions.

TCM may cause the proxies to be voted in accordance with the recommendations of an independent third party service provider that TCM may use to assist in voting proxies.

Disclosure

The following disclosure shall be provided in connection with these policies and procedures:

- TCM shall provide a description or a copy of these policies and procedures to the Boards of Trustees of the Funds annually and upon request.
- TCM shall make available to the Funds its proxy voting records, for inclusion on the Funds Form N-PX.
- TCM shall include its proxy voting policies and procedures in its annual filing on Form N-CSR.
- TCM shall cause the Funds shareholder reports to include a statement that a copy of these policies and procedures is available upon request (i) by calling a toll-free number; (ii) on the Funds website, (if the Funds choose); and (iii) on the SEC's website.
- TCM shall cause the Funds annual and semi-annual reports to include a statement that information is available regarding how the Funds voted proxies during the most recent twelve-month period (i) without charge, upon request, either by calling a toll-free number or on or through the Funds website, or both; and (ii) on the SEC's website.

Recordkeeping

TCM shall maintain records of proxies voted in accordance with Section 204-2 of the Advisers Act, including proxy statements, a record of each vote cast, and a copy of any document created by the Adviser that was material to making a decision of how to vote the proxy, or that memorializes the basis for the Adviser's decision on how to vote the proxy. TCM shall also maintain a copy of its policies and procedures and each written request from a client for proxy voting records and the Adviser's written response to any client request, either written or oral, for such records. Proxy statements that are filed on EDGAR shall be considered maintained by TCM. All such records shall be maintained for a period of five years in an easily accessible place, the first two years in the offices of TCM.

ITEM 8. PORTFOLIO MANAGERS OF CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

(a) (1) As of December 4, 2018, Daniel R. Omstead, Ph.D., Jason C. Akus, M.D./M.B.A., Timothy Gasperoni, Ph.D, M.B.A., Christian M. Richard, M.S, M.B.A, Henry Skinner, Ph.D., Ashton L. Wilson, Christopher Abbott, Robert Benson, CFA®, CAIA, Richard Goss, Alan Kwan, Ph.D, M.B.A., and Loretta Tse, Ph.D., are members of a

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team that analyzes investments on behalf of the Registrant. Dr. Omstead exercises ultimate decision making authority with respect to investments. Dr. Omstead also performs other duties including management of the investment adviser and makes investments on behalf of Tekla Healthcare Investors (HQH), Tekla Healthcare Opportunities Fund (THQ) and Tekla World Healthcare Fund (THW). The date each team member joined the portfolio management team and each team member's business experience for at least the last five years is included below.

Daniel R. Omstead, Ph.D. is President and Chief Executive Officer of the investment adviser and has been employed by the investment adviser of the Registrant since 2000. He is also President of the Registrant, HQH, THQ and THW.

Jason C. Akus, M.D./M.B.A. is Senior Vice President, Research of the investment adviser and is responsible for investment research and due diligence in the biotechnology, medical device, and diagnostic areas. Dr. Akus joined the investment adviser of the Registrant in 2001.

Timothy Gasperoni, Ph.D., M.B.A. is Senior Vice President, Research of the investment adviser. He was previously a Senior Analyst and Founding Member of Sabby Capital. He joined TCM in 2015.

Christian M. Richard, M.S., M.B.A. is Senior Vice President, Research of the investment adviser. He was previously a Partner/Head of Research for Merlin Biomed Private Equity/Merlin Nexus. He joined TCM in 2015.

Henry Skinner, Ph.D. is Senior Vice President, Venture of the investment adviser. He was previously Vice President and Deputy Head and Managing Director of the Novartis Venture Fund. He joined TCM in October 2017.

Ashton L. Wilson is Senior Vice President of the investment adviser. He was previously a Vice President in equity derivative trading at Goldman Sachs and Co. and was an equity derivative trader at Bank of America Merrill Lynch. He joined TCM in 2018.

Alan Kwan, Ph.D., M.B.A. is Senior Analyst of the investment adviser. He was previously a Principal Investigator at GlaxoSmithKline, plc. He joined TCM in 2014.

Christopher Abbott is Senior Analyst of the investment adviser. Previously, Mr. Abbott was at Leerink Partners where he was a Vice President on the Equity Research Team. He joined TCM in 2016.

Robert Benson, CFA®, CAIA is Senior Analyst, Research. Previously, Mr. Benson was at State Street Global Advisors (SSgA) where he performed quantitative research for asset allocation, equities, and alternatives teams. He joined TCM in 2016.

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Richard Goss is Senior Analyst of the investment advisor. Previously, Mr. Goss was at Leerink Partners where he was a Vice President on the Large Pharma and Biotech Equity Research Teams and a Healthcare Analyst at Datamonitor. He joined TCM in 2018.

Loretta Tse, Ph.D. is Senior Analyst of the investment advisor. She previously ran a biotech consulting business and worked at various venture funds and start-up companies and was Managing Director at Fred Hutchinson Cancer Research Center. She joined TCM in 2015.

(a) (2) The following table lists the number and types of other accounts and assets under management in those accounts advised by the Registrant's portfolio management team as of the end of the Registrant's fiscal year.

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PORTFOLIO MANAGER	REGISTERED INVESTMENT COMPANY ACCOUNTS	ASSETS MANAGED	POOLED ACCOUNTS	ASSETS MANAGED	OTHER ACCOUNTS	ASSETS MANAGED
Daniel R. Omstead	3	\$ 2,778 million	0	0	0	0
Jason C. Akus	3	\$ 2,778 million	0	0	0	0
Christian M. Richard	3	\$ 2,778 million	0	0	0	0
Timothy Gasperoni	3	\$ 2,778 million	0	0	0	0
Henry Skinner	3	\$ 2,778 million	0	0	0	0
Ashton L. Wilson	3	\$ 2,778 million	0	0	0	0
Alan Kwan	3	\$ 2,778 million	0	0	0	0
Christopher Abbott	3	\$ 2,778 million	0	0	0	0
Robert Benson	3	\$ 2,778 million	0	0	0	0
Richard Goss	3	\$ 2,778 million	0	0	0	0
Loretta Tse	3	\$ 2,778 million	0	0	0	0

None of the funds or other accounts are subject to a performance-based advisory fee.

Each member of the portfolio management team may perform investment management services for other accounts similar to those provided to the Registrant and the investment action for each account may differ. The portfolio management team may discover an investment opportunity that may be suitable for more than one account. However, the investment opportunity may be limited so that all accounts may not be able to fully participate or an investment opportunity or investment allocation may be allocated to just one account or may be allocated between accounts at different levels based on an investment decision made by the investment team. The investment team may subsequently make investment decisions that result in investment levels that make the accounts more differentiated or, conversely, more closely or completely aligned. Such investment decisions may occur within a day or two. In addition, the investment adviser may receive different compensation from each account. In that case, the portfolio management team may have an incentive to direct investments to an account that could result in higher fees for the investment adviser. The registrant has adopted procedures designed to allocate investments fairly across multiple accounts.

Additionally, a portfolio manager may be perceived to have a conflict of interest if he has other executive management responsibilities. In addition to managing the Registrant, HQH, THQ and THW, Dr. Omstead is the President of the investment adviser of the Registrant. Dr. Omstead periodically discusses the amount of time he allocates to each of his responsibilities with the Registrant's Board of Trustees.

The portfolio management team's management of personal accounts may also present certain conflicts of interest. The Registrant has adopted a code of ethics designed to address these potential conflicts.

(a) (3) As of September 30, 2018, portfolio manager compensation is comprised of a base salary and discretionary compensation as described below.

Base Salary Compensation. The team members receive a base salary compensation linked to individual experience and responsibilities. The amount of base salary is reviewed annually.

Discretionary Compensation. Discretionary Compensation is in the form of a cash bonus, paid annually, which may be up to 60% of the team member's base salary. Several factors affect discretionary compensation, which can vary by team

member and circumstances. The discretionary compensation component is determined based on factors including investment performance of accounts managed by the team predominantly relative to the S&P 500 Index and a blended consideration of appropriate healthcare indices and related performance metrics during the Fund's fiscal year, performance of specific investments proposed by the individual, financial performance of the investment adviser and a qualitative assessment of the individual overall contribution to the investment team and to the investment adviser. Discretionary compensation is evaluated annually after the completion of the Registrant's fiscal year.

(a) (4) As of September 30, 2018, the dollar range of Registrant's shares beneficially owned by the portfolio managers are as follows as of the end of the Registrant's fiscal year:

PORTFOLIO MANAGER	DOLLAR RANGE OF SHARES BENEFICIALLY OWNED
Daniel R. Omstead	over \$1,000,000
Jason C. Akus	none
Christian M. Richard	none
Timothy Gasperoni	none
Henry Skinner	none
Ashton L. Wilson	none
Alan Kwan	none
Christopher Abbott	none
Robert Benson	none
Richard Goss	none
Loretta Tse	none

(b) N/A.

ITEM 9. PURCHASES OF EQUITY SECURITIES BY CLOSED-END MANAGEMENT INVESTMENT COMPANY AND AFFILIATED PURCHASERS.

Period	(a) Total No. of Shares Purchased (1)	(b) Average Price Paid per Share	(c) Total No. of Shares Purchased as Part of Publicly Announced Plans or Programs	(d) Maximum No. of Shares that May Yet Be Purchased Under the Plans or Programs
Month #1 (Oct. 1, 2017 - Oct. 31, 2017)				2,563,522
Month #2 (Nov. 1, 2017 - Nov. 30, 2017)				2,563,522
Month #3 (Dec. 1, 2017 - Dec. 31, 2017)				2,563,522
Month #4 (Jan. 1, 2018 - Jan. 31, 2018)				2,563,522
Month #5 (Feb. 1, 2018 - Feb. 28, 2018)				2,563,522
Month #6 (Mar. 1, 2018 - Mar. 31, 2018)				2,563,522
Month #7 (Apr. 1, 2018 - Apr. 30, 2018)				2,563,522
Month #8 (May 1, 2018 - May 31, 2018)				2,563,522
Month #9 (June 1, 2018 - June 30, 2018)				2,563,522
Month #10 (Jul. 1, 2018 - Jul. 31, 2018)				2,665,483
Month #11 (Aug. 1, 2018 - Aug. 31, 2018)				2,665,483
Month #12 (Sep. 1, 2018 - Sep. 30, 2018)				2,665,483
Total				

(1) On June 30, 2011, the share repurchase program was announced, which has been subsequently reviewed and approved by the Board of Trustees. On March 23, 2017, the Trustees approved the renewal of the share repurchase program, allowing the Registrant to repurchase up to 12% of its outstanding shares in the open market for a one year period ending July 14, 2018. On March 22, 2018, the Trustees approved the renewal of the share repurchase program, allowing the Registrant to repurchase up to 12% of its outstanding shares in the open market for a one year period ending July 14, 2019.

ITEM 10. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS.

There have been no material changes to the procedures by which the shareholders may recommend nominees to the registrant's Board of Trustees, where those changes were implemented after the registrant last provided disclosure in response to the requirements of Item 407(c)(2)(iv) of Regulation S-K (17 CFR 229.407) (as required by Item 22(b)(15) of Schedule 14A (17 CFR 240.14a-101)), or this Item.

ITEM 11. CONTROLS AND PROCEDURES.

(a) In the opinion of the principal executive officer and principal financial officer, based on their evaluation which took place within 90 days of this filing, the Registrant's disclosure controls and procedures are adequately designed and are operating effectively to ensure (i) that material information relating to the Registrant, including its consolidated subsidiaries, is made known to them by others within those entities, particularly during the period in which this report is being prepared; and (ii) that information required to be disclosed by the registrant on Form N-CSR is recorded, processed, summarized and reported within the time period specified in the Securities and Exchange Commission's rules and forms.

(b) There were no changes in the Registrant's internal control over financial reporting that occurred during the Registrant's most recent fiscal half-year that have materially affected or that are reasonably likely to materially affect the Registrant's internal control over financial reporting.

ITEM 12. EXHIBITS.

(a) (1) The Code of Ethics that is the subject of the disclosure required by Item 2 is attached hereto (Exhibit 1).

(a) (2) Separate certifications of the Principal Executive and Financial Officers as required by Rule 30a-2(a) under the 1940 Act and Section 302 of the Sarbanes-Oxley Act of 2002 are attached hereto (Exhibit 2 and 3).

(a) (3) Notice to Fund's shareholders in accordance with Investment Company Act Section 19(a) and Rule 19a-1 (Exhibit 4).

(b) Certifications pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 are attached hereto (Exhibit 5).

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, there unto duly authorized.

(Registrant)

TEKLA LIFE SCIENCES INVESTORS

By (Signature and Title)*

/s/ Daniel R. Omstead
Daniel R. Omstead, President

Date: 12/4/18

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title)*

/s/ Laura Woodward
Laura Woodward, Treasurer

Date: 12/4/18

* Print the name and title of each signing officer under his or her signature.
