

The following portfolio data for the Franklin Templeton funds is made available to the public under our Portfolio Holdings Release Policy and is "as of" the date indicated.

*This portfolio data should not be relied upon as a complete listing of a fund's holdings (or of a fund's top holdings) as information on particular holdings may be withheld if it is in the fund's interest to do so. Additionally, foreign currency forwards are not included in the portfolio data. Instead, the net market value of all currency forward contracts is included in cash and other net assets of the fund. Further, portfolio holdings data of over-the-counter derivative investments such as Credit Default Swaps, Interest Rate Swaps or other Swap contracts list only the name of counterparty to the derivative contract, not the details of the derivative. Complete portfolio data can be found in the semi- and annual financial statements of the fund.*

Security Identifier	Security Name	Shares/ Positions Held	Market Value	% of TNA	Coupon Rate	Maturity Date
282559103	89BIO INC	520,000	\$9,152,000	0.39%	N/A	N/A
DDD1152418	ACUMEN PHARMACEUTICALS INC	601,400	\$8,449,670	0.36%	N/A	N/A
DDD1158419	ADAGIO THERAPEUTICS INC	323,200	\$9,450,368	0.40%	N/A	N/A
00973J101	AKOUOS INC	207,400	\$1,932,968	0.08%	N/A	N/A
09064M204	ALBIREO PHARMA INC	168,900	\$4,935,258	0.21%	N/A	N/A
014442107	ALECTOR INC	891,736	\$19,386,340	0.82%	N/A	N/A
02043Q107	ALNYLAM PHARMACEUTICALS INC	12,040	\$1,921,102	0.08%	N/A	N/A
DDD1151905	ALPHA TEKNOVA INC	117,560	\$2,702,704	0.11%	N/A	N/A
00166B105	ALX ONCOLOGY HOLDINGS INC	143,400	\$8,036,136	0.34%	N/A	N/A
031162100	AMGEN INC	529,372	\$109,564,122	4.66%	N/A	N/A
DDD1134484	AMUNIX PHARMACEUTICALS INC	3,323,313	\$4,792,410	0.20%	N/A	N/A
03476J107	ANGION BIOMEDICA CORP	359,000	\$1,497,030	0.06%	N/A	N/A
03753U106	APELLIS PHARMACEUTICALS INC	162,342	\$4,990,393	0.21%	N/A	N/A
03824M109	APPLIED MOLECULAR TRANSPORT INC	228,900	\$5,154,828	0.22%	N/A	N/A
03828A101	APPLIED THERAPEUTICS INC	592,185	\$8,687,353	0.37%	N/A	N/A
03969F109	ARCUS BIOSCIENCES INC	933,297	\$31,209,451	1.33%	N/A	N/A
03969K108	ARCUTIS BIOTHERAPEUTICS INC	208,500	\$4,416,030	0.19%	N/A	N/A
04016X101	ARGENX SE	82,887	\$25,028,558	1.06%	N/A	N/A
DDD1134481	ARTIVA BIOTHERAPEUTICS INC	265,046	\$2,244,727	0.10%	N/A	N/A
04351P101	ASCENDIS PHARMA A/S	453,479	\$68,751,951	2.92%	N/A	N/A
045396108	ASSEMBLY BIOSCIENCES INC	528,600	\$1,665,090	0.07%	N/A	N/A
046353108	ASTRAZENECA PLC	568,700	\$35,475,506	1.51%	N/A	N/A
04746L104	ATHIRA PHARMA	1,300,414	\$16,996,410	0.72%	N/A	N/A
09062X103	BIOGEN INC	259,241	\$69,134,389	2.94%	N/A	N/A
09061G101	BIOMARIN PHARMACEUTICAL INC	232,809	\$18,445,457	0.78%	N/A	N/A
BK6H543	BIONTECH SE	24,268	\$6,764,219	0.29%	N/A	N/A
09627Y109	BLUEPRINT MEDICINES CORP	165,200	\$18,583,348	0.79%	N/A	N/A
10806X102	BRIDGEBIO PHARMA INC	164,500	\$8,123,010	0.35%	N/A	N/A

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DDD1156458	CANDEL THERAPEUTICS INC	724,200	\$8,132,766	0.35%	N/A	N/A
DDD1148378	CENTESSA PHARMACEUTICALS PLC	264,809	\$3,698,407	0.16%	N/A	N/A
DDD1148379	CENTESSA PHARMACEUTICALS PLC	124,400	\$2,139,680	0.09%	N/A	N/A
DDD1158156	CM LIFE SCIENCES III INC	1,291,400	\$12,875,258	0.55%	N/A	N/A
192010106	CODIAK BIOSCIENCES INC	206,712	\$2,978,719	0.13%	N/A	N/A
H17182108	CRISPR THERAPEUTICS AG	181,919	\$16,614,662	0.71%	N/A	N/A
230031106	CULLINAN ONCOLOGY INC	197,500	\$4,388,450	0.19%	N/A	N/A
23282W100	CYTOKINETICS INC	460,000	\$16,058,600	0.68%	N/A	N/A
DDD1148375	DAY ONE BIOPHARMACEUTICALS INC	178,095	\$4,352,641	0.19%	N/A	N/A
24344T101	DECIPHERA PHARMACEUTICALS INC	1,506,328	\$50,296,291	2.14%	N/A	N/A
BN15WD1	DYNE THERAPEUTICS INC	351,691	\$5,103,036	0.22%	N/A	N/A
29446K106	EQUILLIUM INC	405,200	\$2,556,812	0.11%	N/A	N/A
DDD1167887	EXSCIENTIA PLC	80,400	\$1,784,076	0.08%	N/A	N/A
74440J101	EYEPOINT PHARMACEUTICALS INC	1,540,820	\$17,673,205	0.75%	N/A	N/A
31189P102	FATE THERAPEUTICS INC	437,954	\$23,561,925	1.00%	N/A	N/A
30318F100	FS DEVELOPMENT CORP II	235,400	\$2,382,248	0.10%	N/A	N/A
36870G105	GEMINI THERAPEUTICS INC	1,616,811	\$6,143,881	0.26%	N/A	N/A
375558103	GILEAD SCIENCES INC	1,565,686	\$101,581,707	4.32%	N/A	N/A
40131M109	GUARDANT HEALTH INC	143,226	\$16,727,364	0.71%	N/A	N/A
41358P106	HARPOON THERAPEUTICS INC	367,700	\$2,301,802	0.10%	N/A	N/A
BMWWF91	HEALTH SCIENCES ACQUISITIONS CORP 2	228,400	\$2,252,024	0.10%	N/A	N/A
427746102	HERON THERAPEUTICS INC	3,176,917	\$34,977,856	1.49%	N/A	N/A
DDD1161935	HILLEVAX INC	4,847,100	\$4,847,100	0.21%	6.00%	08/31/22
BQPVQZ6	HORIZON THERAPEUTICS PLC	891,541	\$106,904,681	4.55%	N/A	N/A
452327109	ILLUMINA INC	250,900	\$104,138,554	4.43%	N/A	N/A
457669307	INSMED INC	1,506,959	\$45,434,813	1.93%	N/A	N/A
DDD573353	INTARCIA THERAPEUTICS INC	166,795	\$0	0.00%	N/A	N/A
45826J105	INTELLIA THERAPEUTICS INC	216,808	\$28,831,127	1.23%	N/A	N/A
46116X101	INTRA-CELLULAR THERAPIES INC	871,049	\$37,516,080	1.60%	N/A	N/A
462260100	IOVANCE BIOTHERAPEUTICS INC	2,419,535	\$58,818,895	2.50%	N/A	N/A
46583P102	IVERIC BIO INC	766,606	\$13,568,926	0.58%	N/A	N/A
B4Q5ZN4	JAZZ PHARMACEUTICALS PLC	370,300	\$49,264,712	2.09%	N/A	N/A
47760M102	JIYA ACQUISITION CORP	291,200	\$2,853,760	0.12%	N/A	N/A
483497103	KALVISTA PHARMACEUTICALS INC	595,700	\$10,710,686	0.46%	N/A	N/A
48576A100	KARUNA THERAPEUTICS INC	70,700	\$9,924,866	0.42%	N/A	N/A
492327101	KEROS THERAPEUTICS INC	245,900	\$10,258,948	0.44%	N/A	N/A
DDD878132	KEZAR LIFE SCIENCES INC	1,424,750	\$11,398,000	0.48%	N/A	N/A
50015M109	KODIAK SCIENCES INC	107,885	\$12,632,254	0.54%	N/A	N/A
50107A104	KRONOS BIO INC	302,397	\$4,977,454	0.21%	N/A	N/A
501147102	KRYSTAL BIOTECH INC	114,600	\$5,740,314	0.24%	N/A	N/A

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50127T109	KURA ONCOLOGY INC	219,900	\$3,610,758	0.15%	N/A	N/A
BMX9K07	LEGEND BIOTECH CORP	289,072	\$15,176,280	0.65%	N/A	N/A
54142F102	LOGICBIO THERAPEUTICS INC	937,400	\$3,421,510	0.15%	N/A	N/A
56854Q200	MARINUS PHARMACEUTICALS INC	208,000	\$2,392,000	0.10%	N/A	N/A
BZBY005	MERUS NV	101,800	\$2,855,490	0.12%	N/A	N/A
60468T105	MIRATI THERAPEUTICS INC	443,700	\$83,868,174	3.57%	N/A	N/A
60770K107	MODERNA INC	263,619	\$91,003,914	3.87%	N/A	N/A
BNG1NK8	NAUTILUS BIOTECHNOLOGY INC	871,900	\$4,655,946	0.20%	N/A	N/A
64125C109	NEUROCRINE BIOSCIENCES INC	359,505	\$37,895,422	1.61%	N/A	N/A
670002401	NOVAVAX INC	289,619	\$43,103,995	1.83%	N/A	N/A
67080N119	NUVATION BIO INC	151,400	\$380,014	0.02%	N/A	07/07/27
BKY4LN7	OMEGA ALPHA SPAC	405,600	\$3,962,712	0.17%	N/A	N/A
BMGQVL3	PANACEA ACQUISITION CORP II	304,900	\$2,978,873	0.13%	N/A	N/A
DDD1133473	PIPELINE THERAPEUTICS INC	1,086,236	\$2,106,712	0.09%	N/A	N/A
729139105	PLIANT THERAPEUTICS INC	247,400	\$3,941,082	0.17%	N/A	N/A
730541109	POINT BIOPHARMA GLOBAL INC	570,200	\$4,550,196	0.19%	N/A	N/A
74006W108	PRAXIS PRECISION MEDICINES INC	171,200	\$3,560,960	0.15%	N/A	N/A
74349U108	PROMETHEUS BIOSCIENCES INC	349,600	\$11,138,256	0.47%	N/A	N/A
69366J200	PTC THERAPEUTICS INC	1,474,798	\$55,939,088	2.38%	N/A	N/A
75615P103	REATA PHARMACEUTICALS INC	357,442	\$34,318,006	1.46%	N/A	N/A
75886F107	REGENERON PHARMACEUTICALS INC	203,623	\$130,306,502	5.54%	N/A	N/A
75955J402	RELMADA THERAPEUTICS INC	151,734	\$3,561,196	0.15%	N/A	N/A
75974E103	RENEO PHARMACEUTICALS INC	275,014	\$1,804,091	0.08%	N/A	N/A
760273102	REPARE THERAPEUTICS INC	192,200	\$4,806,922	0.20%	N/A	N/A
761330109	REVANCE THERAPEUTICS INC	459,871	\$6,323,226	0.27%	N/A	N/A
45780V102	ROCKET PHARMACEUTICALS INC	615,203	\$18,277,681	0.78%	N/A	N/A
78667J108	SAGE THERAPEUTICS INC	167,130	\$6,745,366	0.29%	N/A	N/A
80706P103	SCHOLAR ROCK HOLDING CORP	58,500	\$1,538,550	0.07%	N/A	N/A
812578102	SEAGEN INC	366,859	\$64,688,247	2.75%	N/A	N/A
BMCGGK1	SOCIAL CAPITAL SUVRETTA HOLDINGS CORP I	257,000	\$2,549,440	0.11%	N/A	N/A
BNXL6C4	SOCIAL CAPITAL SUVRETTA HOLDINGS CORP II	257,000	\$2,549,440	0.11%	N/A	N/A
BMCGGR8	SOCIAL CAPITAL SUVRETTA HOLDINGS CORP III	257,000	\$2,544,300	0.11%	N/A	N/A
BNXL6D5	SOCIAL CAPITAL SUVRETTA HOLDINGS CORP IV	257,000	\$2,539,160	0.11%	N/A	N/A
869367102	SUTRO BIOPHARMA INC	1,225,813	\$24,712,390	1.05%	N/A	N/A
877619106	TAYSHA GENE THERAPIES INC	506,584	\$7,922,973	0.34%	N/A	N/A
883556102	THERMO FISHER SCIENTIFIC INC	52,100	\$32,982,947	1.40%	N/A	N/A
90400D108	ULTRAGENYX PHARMACEUTICAL INC	117,353	\$9,848,263	0.42%	N/A	N/A
92532F100	VERTEX PHARMACEUTICALS INC	374,534	\$69,262,572	2.95%	N/A	N/A

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60463E103	VIRIDIAN THERAPEUTICS INC	386,300	\$6,992,030	0.30%	N/A	N/A
92840H103	VISTAGEN THERAPEUTICS INC	6,322,600	\$14,478,754	0.62%	N/A	N/A
74373B109	YUMANITY THERAPEUTICS INC	126,586	\$1,158,261	0.05%	N/A	N/A
98978L204	ZOGENIX INC	1,906,385	\$29,224,882	1.24%	N/A	N/A
98985W102	ZYMEWORKS INC	785,695	\$17,481,713	0.74%	N/A	N/A

## Important Information

Source: Franklin Templeton Investments as at 31/10/21, unless stated otherwise. The fund is a subfund of Franklin Templeton Investment Funds, a Luxembourg-domiciled SICAV. For further information please refer to the relevant Full Prospectus and the relevant Key Investor Information Document.

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**The value of shares in the fund and income received from it can go down as well as up, and investors may not get back the full amount invested. Past performance is not an indicator or a guarantee of future performance.** Currency fluctuations may affect the value of overseas investments. All or most of the protections provided by the UK Regulatory System will not apply to Franklin Templeton Investment (SICAV) Investors. An investment in the fund entails risks which are described in the fund's Full Prospectus and the relevant Key Investor Information Document. Investments in derivative instruments entail specific risks more fully described in the Fund's prospectus and in the relevant references to particular industries, sectors or companies are for general information and are not necessarily indicative of a fund's holding at any one time.

For a free copy of the latest prospectus, the relevant Key Investor Information Document, the annual report and semi-annual report, if published thereafter or for more information about any Franklin Templeton Investments' fund, UK investors should contact: Franklin Templeton Investments, Telephone: 0800 305 306, Email: [enquiries@franklintempleton.co.uk](mailto:enquiries@franklintempleton.co.uk) or write to us at the address below.

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