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# Putnam BioRevolution™ ETF

**Summary prospectus**

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**FUND SYMBOL** Putnam BioRevolution™ ETF

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SYNB

**Principal U.S. Listing Exchange:** NYSE Arca, Inc.

George Putnam Balanced Fund  
Putnam BDC Income ETF  
Putnam BioRevolution ETF  
Putnam California Tax Exempt Income Fund  
Putnam Convertible Securities Fund  
Putnam Core Bond Fund  
Putnam Core Equity Fund  
Putnam Diversified Income Trust  
Putnam Dynamic Asset Allocation Balanced Fund  
Putnam Dynamic Asset Allocation Conservative Fund  
Putnam Dynamic Asset Allocation Growth Fund  
Putnam Emerging Markets Equity Fund  
Putnam Emerging Markets ex-China ETF  
Putnam ESG Core Bond ETF  
Putnam ESG High Yield ETF  
Putnam ESG Ultra Short ETF  
Putnam Floating Rate Income Fund  
Putnam Focused Equity Fund  
Putnam Focused International Equity Fund  
Putnam Focused Large Cap Growth ETF  
Putnam Focused Large Cap Value ETF  
Putnam Global Health Care Fund  
Putnam Global Income Trust  
Putnam Global Technology Fund  
Putnam Government Money Market Fund  
Putnam High Yield Fund  
Putnam Income Fund  
Putnam Intermediate-Term Municipal Income Fund  
Putnam International Capital Opportunities Fund  
Putnam International Equity Fund  
Putnam International Value Fund  
Putnam Large Cap Growth Fund  
Putnam Large Cap Value Fund

Putnam Massachusetts Tax Exempt Income Fund  
Putnam Minnesota Tax Exempt Income Fund  
Putnam Money Market Fund  
Putnam Mortgage Opportunities Fund  
Putnam Mortgage Securities Fund  
Putnam Multi-Asset Income Fund  
Putnam New Jersey Tax Exempt Income Fund  
Putnam New York Tax Exempt Income Fund  
Putnam Ohio Tax Exempt Income Fund  
Putnam PanAgora ESG Emerging Markets Equity ETF  
Putnam PanAgora ESG International Equity ETF  
Putnam Pennsylvania Tax Exempt Income Fund  
Putnam Research Fund  
Putnam Short Duration Bond Fund  
Putnam Short-Term Municipal Income Fund  
Putnam Small Cap Growth Fund  
Putnam Small Cap Value Fund  
Putnam Strategic Intermediate Municipal Fund  
Putnam Sustainable Future ETF  
Putnam Sustainable Future Fund  
Putnam Sustainable Leaders ETF  
Putnam Sustainable Leaders Fund  
Putnam Tax Exempt Income Fund  
Putnam Tax-Free High Yield Fund  
Putnam Ultra Short Duration Income Fund  
Putnam VT Core Equity Fund  
Putnam VT Diversified Income Fund  
Putnam VT Emerging Markets Equity Fund  
Putnam VT Focused International Equity Fund  
Putnam VT George Putnam Balanced Fund  
Putnam VT Global Asset Allocation Fund  
Putnam VT Global Health Care Fund

**Putnam VT Government Money  
Market Fund  
Putnam VT High Yield Fund  
Putnam VT Income Fund  
Putnam VT International Equity Fund  
Putnam VT International Value Fund  
Putnam VT Large Cap Growth Fund  
Putnam VT Large Cap Value Fund**

**Putnam VT Mortgage Securities Fund  
Putnam VT Research Fund  
Putnam VT Small Cap Growth Fund  
Putnam VT Small Cap Value Fund  
Putnam VT Sustainable Future Fund  
Putnam VT Sustainable Leaders Fund**

This supplement replaces in its entirety the supplement to the Funds' summary prospectuses dated May 31, 2023.

On May 31, 2023, Franklin Resources, Inc. ("Franklin Resources") and Great-West Lifeco Inc., the parent company of Putnam U.S. Holdings I, LLC ("Putnam Holdings"), announced that they have entered into a definitive agreement for a subsidiary of Franklin Resources to acquire Putnam Holdings in a stock and cash transaction.

As part of this transaction, Putnam Investment Management, LLC ("Putnam Management"), a wholly owned subsidiary of Putnam Holdings and investment manager to the Putnam family of funds (the "Putnam Funds"), would become an indirect wholly owned subsidiary of Franklin Resources.

The transaction is subject to customary closing conditions, including receipt of applicable regulatory approvals. Subject to such approvals and the satisfaction of these conditions, the transaction is currently expected to be consummated in the fourth quarter of 2023.

Under the Investment Company Act of 1940, as amended, consummation of the transaction will result in the automatic termination of the investment management contract between each Putnam Fund and Putnam Management and any related sub-management and sub-advisory contracts, where applicable. In anticipation of this automatic termination, on June 23, 2023, the Board of Trustees of the Putnam Funds approved a new investment management contract between each Putnam Fund and Putnam Management (and new sub-management and sub-advisory contracts, if applicable), which will be presented to the shareholders of each Putnam Fund for their approval at shareholder meetings currently expected to occur in October 2023. Proxy solicitation materials related to these meetings, which will provide detailed information regarding the proposed transaction, are expected to be mailed to shareholders in the coming weeks.

*The foregoing is not a solicitation of any proxy. For more information regarding the funds, or to receive a free copy of materials filed with the Securities and Exchange Commission ("SEC"), please visit Putnam's website at [putnam.com/individual](http://putnam.com/individual). Free copies of these materials can also be found on the SEC's website at <http://www.sec.gov>. Please read the funds' proxy statement carefully when it becomes available in the coming weeks because it will contain important information. The funds, their trustees, officers, and other members of management may be deemed to be participants in any future solicitation of the funds' shareholders in connection with the forthcoming meeting of shareholders. Shareholders may obtain information regarding the names, affiliations, and interests of these individuals in the funds' proxy statement when it becomes available.*

*Shareholders should retain this Supplement for future reference.*

# Putnam BioRevolution™ ETF

## Investment objective

Putnam BioRevolution™ ETF seeks long term capital appreciation.

## Fees and expenses

The following tables describe the fees and expenses you may pay if you buy, hold and sell shares of the fund. **You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the tables and examples below.**

### Annual fund operating expenses

*(expenses you pay each year as a percentage of the value of your investment)*

Management fees	Distribution and service (12b-1) fees	Other expenses <sup>†</sup>	Total annual fund operating expenses
0.70%	0.00%	0.00%	0.70%

<sup>†</sup> Other expenses are based on estimated amounts for the current fiscal year.

### Example

The following hypothetical example is intended to help you compare the cost of investing in the fund with the cost of investing in other funds. It assumes that you invest \$10,000 in the fund for the time periods indicated and then, except as indicated, redeem all your shares at the end of those periods. It assumes a 5% return on your investment each year and that the fund's operating expenses remain the same. Your actual costs may be higher or lower.

1 year	3 years
\$72	\$224

## Portfolio turnover

The fund pays transaction-related costs, such as commissions, when it buys and sells securities (or “turns over” its portfolio). A higher turnover rate may indicate higher transaction costs and may result in higher taxes when the fund's shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or the above example, affect fund performance. The fund's portfolio turnover rate will be available after the fund completes its first fiscal year.

## Principal investment strategies

The fund invests mainly in common stocks (growth or value stocks or both) of companies worldwide of any size with a focus on “biology revolution” companies. Biology revolution companies are companies that the fund's investment manager, Putnam Investment Management, LLC (“Putnam Management”) believes offer the opportunity to capitalize on a convergence of technological developments in the

life sciences sector that change the ability to understand and design biology to scale and include technology-enabling companies, biotechnology or “synthetic biology companies”, and existing companies that may benefit from the biology revolution in certain cases by reducing operational risks (i.e., providing supply chain redundancy or sourcing of new or rare materials), mitigating environmental risks (i.e., reducing greenhouse gas emissions), and/or fostering consumer demand for the company’s products.

Technology-enabling companies have products that contribute to the research, development, production, diagnosis, and treatment of biology. Examples include instruments like DNA sequencers, mass spectrometers, electron microscopes and PCR technology that have helped enable advances in the fields of genomics, proteomic, and cell research. Putnam Management believes that technology-enabling companies have the potential for increased demand for their products from companies engaged in biological research or development of biological products. “Synthetic biology companies” are companies that manufacture products made from biological materials, including companies that are engaged in redesigning organisms for useful purposes by engineering them to have new abilities to solve problems in medicine, manufacturing, and agriculture. Examples would include companies in the plant-based or alternative meat industries.

Stocks of biology revolution companies are typically, but not always, considered to be growth stocks. Growth stocks are stocks of companies whose revenues, earnings, or cash flows are expected to grow faster than those of similar firms, and whose business growth and other characteristics may lead to an increase in stock price.

Under normal circumstances, the fund invests at least 80% of the fund’s net assets in equity securities of biology revolution companies. This policy is non-fundamental and may be changed only after 60 days’ notice to shareholders. From time to time, the fund may invest a significant portion of its assets in companies in one or more related industries or sectors, including the health care, consumer discretionary, consumer staples, biotechnology and materials sectors.

Putnam Management may consider, among other factors, a company’s valuation, financial strength, growth potential, competitive position in its industry, projected future earnings, cash flows and dividends when deciding whether to buy or sell investments. Putnam Management may also consider other factors that it believes will cause the stock price to rise.

The fund is “non-diversified,” which means it may invest a greater percentage of its assets in fewer issuers than a “diversified” fund.

## **Principal investment risks**

- *Risk of Investing in Biology Revolution Companies.* Biology revolution companies face intense competition and potentially rapid product obsolescence. Biology revolution companies may be adversely affected by the loss or impairment of intellectual property rights and other proprietary information or changes in government regulations. The potential for an increased amount of required disclosure or lack of

access to proprietary scientific information could negatively impact the performance of these companies. The fund may invest in companies that operate in industries that are likely to be impacted by the biology revolution over time. However, certain of these companies do not currently derive a substantial portion of their current revenues from biology revolution activities and there is no assurance that any company will do so in the future, which may adversely affect the ability of the fund to achieve its investment objective.

- *Fluctuation of NAV and share price risk.* Shares may trade at a larger premium or discount to the NAV than shares of other ETFs. The NAV of the fund will generally fluctuate with changes in the market value of the fund's holdings. The fund's shares can be bought and sold in the secondary market at market prices. Disruptions to creations and redemptions, the existence of extreme market volatility or potential lack of an active trading market for the fund's shares may result in the fund's shares trading significantly above (at a premium) or below (at a discount) to NAV or to the intraday value of the fund's holdings. In addition, in stressed market conditions or periods of market disruption or volatility, the market for shares may become less liquid in response to deteriorating liquidity in the markets for the fund's underlying portfolio holdings.
- *Trading issues risk.* The fund has no public trading history. There can be no assurance that an active trading market will develop or be maintained or that the market for fund shares will operate as intended, which could lead to the fund's shares trading at wider spreads and larger premiums and discounts to NAV than other actively managed ETFs. As a result, it may cost investors more to trade fund shares than shares of other ETFs. There is no guarantee that the fund will be able to attract market makers and authorized participants. Market makers and authorized participants are not obligated to make a market in the fund's shares or to submit purchase and redemption orders for creation units. The market prices of the fund's shares are expected to fluctuate, in some cases materially, in response to changes in the fund's NAV, the intraday value of the Fund's holdings and supply and demand for the fund's shares. Putnam Management cannot predict whether the fund's shares will trade above, below or at their NAV or to the intraday value of the fund's holdings. During such periods, investors may incur significant losses if they sell shares.

The securities held by the fund may be traded in markets that close at a different time than the exchange on which the fund's shares are listed. Liquidity in those securities may be reduced after the applicable closing times. Accordingly, during the time when the exchange is open but after the applicable market closing, fixing or settlement times, bid-ask spreads on the exchange and the corresponding premium or discount to the shares' NAV may widen.

- *Large shareholder risk.* Certain accounts or affiliates of Putnam Management, including other funds advised by Putnam Management or third parties, may from time to time own (beneficially or of record) or control a substantial amount of the fund's shares, including through seed capital arrangements. Such shareholders may at times be considered to control the fund. Dispositions of a large number of shares by these shareholders may adversely affect the fund's liquidity and net assets to the extent

such transactions are executed directly with the fund in the form of redemptions through an authorized participant, rather than executed in the secondary market. These redemptions may also force the fund to sell securities, which may increase the fund's brokerage costs. To the extent these large shareholders transact in shares of the fund on the secondary market, such transactions may account for a large percentage of the trading volume on the exchange and may, therefore, have a material effect (upward or downward), on the market price of the fund's shares.

- *Authorized participant concentration risk.* Only an authorized participant may engage in creation and redemption transactions directly with the fund. The fund may have a limited number of financial institutions that act as authorized participants, none of which are obligated to engage in creation and/or redemption transactions. To the extent that those authorized participants do not engage in creation and redemption orders, there may be a significantly diminished trading market for fund shares or fund shares may trade at a discount (or premium) to NAV and possibly face trading halts and/or de-listing.
- *Cash Transactions Risk.* Unlike certain ETFs, the fund may effect creations and redemptions in cash or partially in cash. Therefore, it may be required to sell portfolio securities and subsequently recognize gains on such sales that the fund might not have recognized if it were to distribute portfolio securities in-kind. As such, investments in the fund's shares may be less tax-efficient than an investment in an ETF that distributes portfolio securities entirely in-kind.
- *Market risk.* The value of investments in the fund's portfolio may fall or fail to rise over extended periods of time for a variety of reasons, including general economic, political or financial market conditions, investor sentiment and market perceptions, government actions, geopolitical events or changes, and factors related to a specific issuer, geography, industry or sector. These and other factors may lead to increased volatility and reduced liquidity in the fund's portfolio holdings. The novel coronavirus ("COVID-19") pandemic and efforts to contain its spread are likely to negatively affect the value, volatility, and liquidity of the securities and other assets in which the fund invests and exacerbate other risks that apply to the fund. These effects could negatively impact the fund's performance and lead to losses on your investment in the fund.
- *Common stock risk.* Common stock represents an ownership interest in a company. The value of a company's stock may fall or fail to rise as a result of factors directly relating to that company, such as decisions made by its management or lower demand for the company's products or services. A stock's value may also fall because of factors affecting not just the company, but also other companies in the same industry or in a number of different industries, such as increases in production costs. Growth stocks may be more susceptible to earnings disappointments, and value stocks may fail to rebound. These risks are generally greater for small and midsize companies.
- *Foreign investment risk.* The value of international investments traded in foreign currencies may be adversely impacted by fluctuations in exchange rates. International investments, particularly investments in emerging markets, may

carry risks associated with potentially less stable economies or governments (such as the risk of seizure by a foreign government, the imposition of currency or other restrictions, or high levels of inflation), and may be or become illiquid.

- *Small and midsize companies risk.* Stocks of small and midsize companies often trade in smaller volumes, and their prices may fluctuate more than stocks of larger companies. Stocks of these companies may therefore be more vulnerable to adverse developments than those of larger companies.
- *Industry or sector concentration risk.* From time to time, the fund may invest a significant portion of its assets in companies in one or more related industries or sectors, including the health care, consumer discretionary, consumer staples, biotechnology and materials sectors which would make the fund more vulnerable to adverse developments affecting those industries or sectors.
- *Non-diversified risk.* As a non-diversified fund, the fund invests in fewer issuers and is more vulnerable than a more broadly diversified fund to fluctuations in the values of the securities it holds. Moreover, the gains and losses on a single investment may have a greater impact on the fund's NAV and may make the fund more volatile than more diversified funds.
- *Management and operational risk.* There is no guarantee that the investment techniques, analyses, or judgments that Putnam Management applies in making investment decisions for the fund will produce the intended outcome or that the investments Putnam Management selects for the fund will perform as well as other securities that were not selected for the fund. Putnam Management, or the fund's other service providers, may experience disruptions or operating errors that could negatively impact the fund. The fund may not achieve its goal, and it is not intended to be a complete investment program.

An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. It is important to understand that you can lose money by investing in the fund.

## **Performance**

Performance information will be available after the fund completes a full calendar year of operation.

## **Your fund's management**

### **Investment advisor**

Putnam Investment Management, LLC

### **Portfolio manager**

#### **William Rives**

Portfolio Manager, Analyst, portfolio manager of the fund since 2022

### **Sub-advisor**

Putnam Investments Limited\*



\* Though the investment advisor has retained the services of Putnam Investments Limited (PIL), PIL does not currently manage any assets of the fund.

## **Purchase and sale of fund shares**

Shares of the fund are listed and traded on an exchange, and individual fund shares may only be bought and sold in the secondary market through a broker or dealer at market price. These transactions, which do not involve the fund, are made at market prices that may vary throughout the day, rather than at net asset value (NAV). Shares of the fund may trade at a price greater than the fund's NAV (premium) or less than the fund's NAV (discount). An investor may incur costs attributable to the difference between the highest price a buyer is willing to pay to purchase shares (bid) and the lowest price a seller is willing to accept for shares (ask) when buying or selling fund shares in the secondary market (the "bid-ask spread"). Recent information, including information regarding the fund's NAV, market price, premiums and discounts, and bid-ask spread, is available at [putnam.com](http://putnam.com).

## **Tax information**

The fund's distributions will be taxed as ordinary income or capital gains unless you hold the shares through a tax-advantaged arrangement, in which case you will generally be taxed only upon withdrawal of monies from the arrangement.

## **Financial intermediary compensation**

The fund and its related companies may pay intermediaries, which may include banks, broker/dealers, or financial professionals, for the sale of fund shares and related services. Please bear in mind that these payments may create a conflict of interest by influencing the broker/dealer or other intermediary to recommend the fund over another investment. Ask your advisor or visit your advisor's website for more information.

## **Information about the Summary Prospectus, Prospectus, and SAI**

The summary prospectus, prospectus, and SAI for a fund provide information concerning the fund. The summary prospectus, prospectus, and SAI are updated at least annually, and any information provided in a summary prospectus, prospectus, or SAI can be changed without a shareholder vote unless specifically stated otherwise. The summary prospectus, prospectus, and the SAI are not contracts between the fund and its shareholders, and do not give rise to any contractual rights or obligations or any shareholder rights other than any rights conferred explicitly by federal or state securities laws that may not be waived.

**Additional information, including current performance, is available at [putnam.com/funddocuments](http://putnam.com/funddocuments), or by calling 1-833-228-5577.**

