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Putnam Emerging Markets Equity Fund

Summary prospectus

12 | 30 | 21

| FUND SYMBOLS | CLASS A | CLASS B | CLASS C | CLASS R | CLASS R6 | CLASS Y |
|--------------|---------|---------|---------|---------|----------|---------|
| | PEMMX | PEMBX | PEMZC | PEMLX | PEMQX | PEMYX |

Putnam Emerging Markets Equity Fund Putnam Growth Opportunities Fund

Putnam Investment Management, LLC (“Putnam Management”), the investment manager of Putnam Emerging Markets Equity Fund and Putnam Growth Opportunities Fund (each, a “fund” and collectively, the “funds”), has recommended, and the funds’ Board of Trustees has approved, and recommended that shareholders approve, a change in each fund’s sub-classification under the Investment Company Act of 1940, as amended, from “diversified” to “non-diversified” and related amendments to each fund’s fundamental investment policies regarding diversification of investments. In order to meet the requirements of the funds’ current diversification classification, the funds currently must limit purchases of certain companies relative to their weights in the corresponding benchmark index, even if Putnam Management finds them to be attractive investment opportunities. As a non-diversified fund, each fund would have greater flexibility to invest more of its assets in the securities of fewer issuers than it currently does as a diversified fund. This means that each fund would be able, if desired for investment purposes, to invest a greater portion of its assets in one or more of the large constituents of the corresponding index. Each fund would be exposed to non-diversification risk, as its ability to invest more of its assets in the securities of fewer issuers would increase its vulnerability to factors affecting a single investment.

Shareholder approval is required to change each fund from “diversified” to “non-diversified” and to make the related amendments to the fund’s fundamental investment policies regarding diversification of investments. A full description of the proposal to change the funds’ sub-classification from “diversified” to “non-diversified” and to make related amendments to the funds’ fundamental investment policies regarding diversification of investments will be contained in a proxy statement that is expected to be mailed to shareholders in May 2022 (the “Proxy Statement”). If shareholders approve the proposal with respect to a fund, it is anticipated that the change to the fund’s sub-classification from diversified to non-diversified, as well as the related amendments to the fund’s fundamental investment policies regarding diversification of investments, would take effect on July 1, 2022. If shareholders do not approve the proposal with respect to a fund, the fund would continue to operate as a “diversified” fund and the fund’s current fundamental investment policies with respect to diversification of investments would remain in effect.

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. 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 Emerging Markets Equity Fund

Prospectuses dated December 30, 2021

Effective immediately, the sub-section *Investments* in the section *Fund summary – Investments, risks, and performance* in the Statutory Prospectus and the section *Investments* in the Summary Prospectus, are deleted in their entirety and replaced with the following:

Investments, risks, and performance

Investments

We invest mainly in common stocks (growth or value stocks or both) of emerging market companies of any size that we believe have favorable investment potential. For example, we may purchase stocks of companies with stock prices that reflect a value lower than that which we place on the company. We may also consider other factors that we believe will cause the stock price to rise. Under normal circumstances, we invest at least 80% of the fund's net assets in equity securities of emerging market companies. This policy may be changed only after 60 days' notice to shareholders.

Emerging markets include countries in the MSCI Emerging Market Index or that we consider to be emerging markets based on our evaluation of their level of economic development or the size and nature of their securities markets. We 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. We may also use derivatives, such as futures, options, certain foreign currency transactions, warrants and swap contracts, for both hedging and non-hedging purposes.

Putnam Emerging Markets Equity Fund

Before you invest, you may wish to review the fund's prospectus, which contains more information about the fund and its risks. You may obtain the prospectus and other information about the fund, including the statement of additional information (SAI) and most recent reports to shareholders, at no cost by visiting putnam.com/funddocuments, calling 1-800-225-1581, or e-mailing Putnam at funddocuments@putnam.com.

The fund's prospectus and SAI, both dated 12/30/21, are incorporated by reference into this summary prospectus.

Goal

Putnam Emerging Markets Equity Fund 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. You may qualify for sales charge discounts if you and your family invest, or agree to invest in the future, at least \$50,000 in Putnam funds. More information about these and other discounts is available from your financial professional and in *How do I buy fund shares?* beginning on page 16 of the fund's prospectus, in the Appendix to the fund's prospectus, and in *How to buy shares* beginning on page II-1 of the fund's statement of additional information (SAI).

Shareholder fees *(fees paid directly from your investment)*

| Share class | Maximum sales charge (load) imposed on purchases (as a percentage of offering price) | Maximum deferred sales charge (load) (as a percentage of original purchase price or redemption proceeds, whichever is lower) |
|-------------|--|--|
| Class A | 5.75% | 1.00%* |
| Class B | NONE | 5.00%** |
| Class C | NONE | 1.00%*** |
| Class R | NONE | NONE |
| Class R6 | NONE | NONE |
| Class Y | NONE | NONE |

Annual fund operating expenses

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

| Share class | Management fees [†] | Distribution and service (12b-1) fees | Other expenses | Acquired fund fees and expenses | Total annual fund operating expenses | Expense reimbursement [‡] | Total annual fund operating expenses after expense reimbursement |
|-------------|------------------------------|---------------------------------------|----------------|---------------------------------|--------------------------------------|------------------------------------|--|
| Class A | 0.97% | 0.25% | 0.34% | 0.05% | 1.61% | (0.27)% | 1.34% |
| Class B | 0.97% | 1.00% | 0.34% | 0.05% | 2.36% | (0.27)% | 2.09% |
| Class C | 0.97% | 1.00% | 0.34% | 0.05% | 2.36% | (0.27)% | 2.09% |
| Class R | 0.97% | 0.50% | 0.34% | 0.05% | 1.86% | (0.27)% | 1.59% |
| Class R6 | 0.97% | N/A | 0.19% | 0.05% | 1.21% | (0.27)% | 0.94% |
| Class Y | 0.97% | N/A | 0.34% | 0.05% | 1.36% | (0.27)% | 1.09% |

* Applies only to certain redemptions of shares bought with no initial sales charge.

** This charge is phased out over six years.

*** This charge is eliminated after one year.

† Management fees are subject to a performance adjustment. The fund's base management fee is subject to adjustment, up or down, based on the fund's performance relative to the performance of the MSCI Emerging Markets Index (ND). For the most recent fiscal year, the fund's management fee prior to any performance adjustment was 0.91%.

Reflects Putnam Investment Management, LLC's contractual obligation to limit certain fund expenses through December 30, 2022. This obligation may be modified or discontinued only with approval of the Board of Trustees.

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. Only the first year of each period in the example takes into account the expense reimbursement described above. Your actual costs may be higher or lower.

| Share class | 1 year | 3 years | 5 years | 10 years |
|-------------------------|--------|---------|---------|----------|
| Class A | \$704 | \$1,029 | \$1,377 | \$2,355 |
| Class B | \$712 | \$1,011 | \$1,436 | \$2,488 |
| Class B (no redemption) | \$212 | \$711 | \$1,236 | \$2,488 |
| Class C | \$312 | \$711 | \$1,236 | \$2,488 |
| Class C (no redemption) | \$212 | \$711 | \$1,236 | \$2,488 |
| Class R | \$162 | \$559 | \$981 | \$2,158 |
| Class R6 | \$96 | \$357 | \$639 | \$1,442 |
| Class Y | \$111 | \$404 | \$719 | \$1,612 |

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 turnover rate in the most recent fiscal year was 124%.

Investments, risks, and performance

Investments

We invest mainly in common stocks (growth or value stocks or both) of emerging market companies that we believe have favorable investment potential. For example, we may purchase stocks of companies with stock prices that reflect a value lower than that which we place on the company. We 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. We may also consider other factors that we believe will cause the stock price to rise. Under normal circumstances, we invest at least 80% of the fund’s net assets in equity securities of emerging market companies. This policy may be changed only after 60 days’ notice to shareholders.

Emerging markets include countries in the MSCI Emerging Market Index or that we consider to be emerging markets based on our evaluation of their level of economic development or the size and experience of their securities markets. We invest significantly in small and midsize companies. We may also use derivatives, such as futures, options, certain foreign currency transactions, warrants and swap contracts, for both hedging and non-hedging purposes.

Risks

It is important to understand that you can lose money by investing in the fund.

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.

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. From time to time, the fund may invest a significant portion of its assets in companies in one or more related geographic regions, industries or sectors, such

as Asian or Pacific Basin countries, which would make the fund more vulnerable to adverse developments affecting those industries or sectors.

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.

Our use of derivatives may increase the risks of investing in the fund by increasing investment exposure (which may be considered leverage) or, in the case of many over-the-counter instruments, because of the potential inability to terminate or sell derivatives positions and the potential failure of the other party to the instrument to meet its obligations. The value of derivatives may move in unexpected ways due to the use of leverage or other factors, especially in unusual market conditions, and may result in increased volatility.

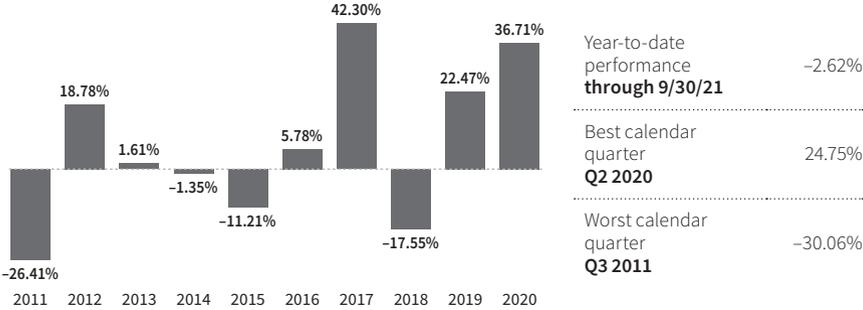
There is no guarantee that the investment techniques, analyses, or judgments that we apply in making investment decisions for the fund will produce the intended outcome or that the investments we select for the fund will perform as well as other securities that were not selected for the fund. We, or 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.

Performance

The performance information below gives some indication of the risks associated with an investment in the fund by showing the fund’s performance year to year and over time. The bar chart does not reflect the impact of sales charges. If it did, performance would be lower. Please remember that past performance is not necessarily an indication of future results. Monthly performance figures for the fund are available at putnam.com.

Annual total returns for class A shares before sales charges



Average annual total returns after sales charges (for periods ended 12/31/20)

| Share class | 1 year | 5 years | 10 years |
|--|--------|---------|----------|
| Class A before taxes | 28.85% | 14.39% | 4.30% |
| Class A after taxes on distributions | 28.17% | 14.12% | 3.98% |
| Class A after taxes on distributions and sale of fund shares | 17.26% | 11.56% | 3.39% |
| Class B before taxes | 30.75% | 14.67% | 4.30% |
| Class C before taxes | 34.80% | 14.89% | 4.13% |
| Class R before taxes | 36.41% | 15.46% | 4.66% |
| Class R6 before taxes* | 37.33% | 16.17% | 5.23% |
| Class Y before taxes | 37.08% | 16.05% | 5.18% |
| MSCI Emerging Markets Index (ND) (no deduction for fees, expenses or taxes, other than withholding taxes on reinvested dividends) | 18.31% | 12.81% | 3.63% |

* Performance for class R6 shares prior to their inception (5/22/18) is derived from the historical performance of class Y shares and has not been adjusted for the lower investor servicing fees applicable to class R6 shares; had it, returns would have been higher.

After-tax returns reflect the historical highest individual federal marginal income tax rates and do not reflect state and local taxes. Actual after-tax returns depend on an investor's tax situation and may differ from those shown. After-tax returns are shown for class A shares only and will vary for other classes. These after-tax returns do not apply if you hold your fund shares through a 401(k) plan, an IRA, or another tax-advantaged arrangement.

Class B share performance reflects conversion to class A shares after eight years.

Effective March 1, 2021, Class C shares generally convert to Class A shares eight years after purchase. Prior to March 1, 2021, Class C shares generally converted to Class A shares ten years after purchase. Class C share performance does not reflect conversion to class A shares after eight years; had it, returns for the 10-year period would have been higher.

Your fund's management

Investment advisor

Putnam Investment Management, LLC

Portfolio manager

Brian Freiwald

Portfolio Manager, portfolio manager of the fund since 2019

Sub-advisors

Putnam Investments Limited*

The Putnam Advisory Company, LLC*

* Though the investment advisor has retained the services of both Putnam Investments Limited (PIL) and The Putnam Advisory Company, LLC (PAC), PIL and PAC do not currently manage any assets of the fund. PAC previously managed assets of the fund through February 26, 2021.

Purchase and sale of fund shares

You can open an account, purchase and/or sell fund shares, or exchange them for shares of another Putnam fund by contacting your financial professional or by calling Putnam Investor Services at 1-800-225-1581. Purchases of class B shares are closed to

new and existing investors except by exchange from class B shares of another Putnam fund or through dividend and/or capital gains reinvestment.

When opening an account, you must complete and mail a Putnam account application, along with a check made payable to the fund, to: Putnam Investments, P.O. Box 219697, Kansas City, MO 64121-9697. The minimum initial investment of \$500 is currently waived, although Putnam reserves the right to reject initial investments under \$500 at its discretion. There is no minimum for subsequent investments.

You can sell your shares back to the fund or exchange them for shares of another Putnam fund any day the New York Stock Exchange (NYSE) is open. Shares may be sold or exchanged by mail, by phone, or online at putnam.com. Some restrictions may apply.

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

If you purchase the fund through a broker/dealer or other financial intermediary (such as a bank or financial professional), the fund and its related companies may pay that intermediary 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, by calling 1-800-225-1581, or by e-mailing Putnam at funddocuments@putnam.com.

