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

POST-EFFECTIVE AMENDMENT NO. 1  
TO

FORM S-8 REGISTRATION STATEMENT NO. 333- 199132  
FORM S-8 REGISTRATION STATEMENT NO. 333-184838  
FORM S-8 REGISTRATION STATEMENT NO. 333-167652

UNDER

THE SECURITIES ACT OF 1933  
POST-EFFECTIVE AMENDMENT NO. 2

TO

FORM S-8 REGISTRATION STATEMENT NO. 333-137952  
FORM S-8 REGISTRATION STATEMENT NO.333-137953

UNDER

THE SECURITIES ACT OF 1933

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**Osiris Therapeutics, Inc.**

(Exact name of registrant as specified in its charter)

**Maryland**

(State or other jurisdiction of incorporation or organization)

**71-0881115**

(I.R.S. Employer Identification Number)

**7015 Albert Einstein Drive  
Columbia, Maryland 21046  
(443) 545-1800**

(Address, including zip code, and telephone number, including area code of registrant's principal executive offices)

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**Osiris Therapeutics, Inc. Amended and Restated 2006 Omnibus Plan  
Amended and Restated 1994 Stock Incentive Plan  
2006 Omnibus Plan  
(Full title of the plan)**

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**James Black  
Chief Legal Officer  
Osiris Therapeutics, Inc.  
7015 Albert Einstein Drive  
Columbia, Maryland 21046  
(443) 545-1800**

(Name, address, including zip code, and telephone number, including area code, of agent for service)

**Copies to:**

**Scott A. Barshay  
David Klein**

Paul, Weiss, Rifkind, Wharton & Garrison LLP  
1285 Avenue of the Americas  
New York, New York 10019  
(212) 373-3000

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

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## EXPLANATORY NOTE — DEREGISTRATION OF SECURITIES

These Post-Effective Amendments (these “*Post-Effective Amendments*”) relate to the following Registration Statements of Osiris Therapeutics, Inc., a Maryland corporation (the “*Company*”), on Form S-8 (collectively, the “*Registration Statements*”) filed by the Company with the Securities and Exchange Commission (the “SEC”):

- Registration Statement No. 333-199132, originally filed with the SEC on October 3, 2014, registering 750,000 shares of common stock, par value \$0.001 per share, of the Company pursuant to the Osiris Therapeutics, Inc. Amended and Restated 2006 Omnibus Plan;
- Registration Statement No. 333-184838, originally filed with the SEC on November 9, 2012, registering 300,000 shares of common stock, par value \$0.001 per share, of the Company pursuant to the Osiris Therapeutics, Inc. Amended and Restated 2006 Omnibus Plan;
- Registration Statement No. 333-167652, originally filed with the SEC on June 21, 2010, registering 1,100,000 shares of common stock, par value \$0.001 per share, of the Company pursuant to the Osiris Therapeutics, Inc. Amended and Restated 2006 Omnibus Plan;
- Registration Statement No. 333-137953, originally filed with the SEC on October 11, 2006, registering 819,513 shares of common stock, par value \$0.001 per share, of the Company pursuant to the Amended and Restated 1994 Stock Incentive Plan; and
- Registration Statement No. 333-137952, originally filed with the SEC on October 11, 2006, registering 850,000 shares of common stock, par value \$0.001 per share, of the Company pursuant to the 2006 Omnibus Plan.

On March 12, 2019, the Company entered into an Agreement and Plan of Merger (the “*Merger Agreement*”) with Smith & Nephew plc, an English public limited company, Smith & Nephew Consolidated, Inc., a Delaware corporation (“*Parent*”), and Papyrus Acquisition Corp., a Maryland corporation and a direct subsidiary of Parent (“*Sub*”). On April 17, 2019, pursuant to the Merger Agreement, Sub merged with and into the Company (the “*Merger*”), with the Company surviving as a direct subsidiary of Parent. At the effective time of the Merger, each outstanding share of common stock, 0.001 par value per share, of the Company (the “*Shares*”), other than Shares held by Sub or a subsidiary of the Company, was converted into the right to receive \$19.00 per Share, in cash, without interest, subject to any required withholding of taxes.

As a result of the Merger, the Company has terminated all offerings of its securities pursuant to the Registration Statements. In accordance with an undertaking made by the Company in the Registration Statements to remove from registration by means of a post-effective amendment any securities which remain unsold at the termination of the offering the Company, hereby removes and withdraws from registration all securities of the Company registered pursuant to the Registration Statements that remain unsold as of the date hereof, if any. Each Registration Statement is hereby amended, as appropriate, to reflect the deregistration of such securities.

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused these Post-Effective Amendments to the Registration Statements to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Columbia, State of Maryland, on this 17th day of April, 2019. No other person is required to sign these Post-Effective Amendments to the Registration Statement on Form S-8 in reliance upon Rule 478 under the Securities Act of 1933, as amended.

**OSIRIS THERAPEUTICS, INC.**

By: /s/ Samson Tom

Name: Samson Tom

Title: Chief Executive Officer