

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
November 5, 2018**

**ORDER GRANTING CONFIDENTIAL TREATMENT  
UNDER THE SECURITIES ACT OF 1933**

**OvaScience, Inc.**

**File No. 333-227547 - CF#36786**

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OvaScience, Inc. submitted an application under Rule 406 requesting confidential treatment for information it excluded from an Exhibit to a Form S-4 registration statement filed on September 26, 2018, as amended.

Based on representations by OvaScience, Inc. that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit will not be released to the public for the time period specified:

Exhibit 10.44                      through                      September 26, 2028

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Brent J. Fields  
Secretary