

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
May 15, 2018**

**ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

OvaScience, Inc.

File No. 0-54647 - CF#36191

OvaScience, Inc. submitted an application under Rule 24b-2 requesting an extension of a previous grant of confidential treatment for information it excluded from the Exhibits to a Form 10-12G filed on April 11, 2012.

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(s) will not be released to the public for the time period(s) specified:

| | |
|---------------|------------------------|
| Exhibit 10.11 | through April 11, 2023 |
| Exhibit 10.12 | through April 11, 2023 |

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

Brent J. Fields
Secretary