

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
AUGUST 4, 2016**

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

**Gemphire Therapeutics Inc.**

**File No. 333-210815 - CF#32961**

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Gemphire Therapeutics Inc. submitted an application under Rule 406 requesting confidential treatment for information it excluded from the Exhibits to a Form S-1 registration statement filed on April 18, 2016, as amended.

Based on representations by Gemphire Therapeutics 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 10.8                      through September 11, 2018

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

Brent J. Fields  
Secretary