

July 8, 2016

VIA EDGAR

U.S. Securities and Exchange Commission
Division of Corporation Finance
100 F. Street, NE
Washington, D.C. 20549

Attention: Suzanne Hayes
Joshua Samples
Lilyanna Peyser
Sharon Blume
Sasha Parikh

**Re: Gemphire Therapeutics Inc.
Registration Statement on Form S-1
File No. 333-210815**

Ladies and Gentlemen:

Effective immediately, the undersigned withdraws the request for acceleration sent to your office via EDGAR on June 20, 2016, which requested that the Commission take appropriate action to cause the above-referenced Registration Statement to become effective at 4:00 p.m. Eastern Time on June 22, 2016 or as soon as practicable thereafter.

[signature page follows]

Sincerely,

GEMPHIRE THERAPEUTICS INC.

/s/ MINA SOOCH

Mina Sooch
President, Chief Executive Officer and Treasurer

cc: Phillip D. Torrence, Honigman Miller Schwartz and Cohn LLP
Meredith Ervine, Honigman Miller Schwartz and Cohn LLP
Gabrielle L. Sims, Honigman Miller Schwartz and Cohn LLP
Divakar Gupta, Cooley LLP
Charles S. Kim, Cooley LLP
Siana E. Lowrey, Cooley LLP
