

September 23, 2016

**VIA EDGAR**

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

Attention: Russell Mancuso  
Tim Buchmiller

**Re: Capnia, Inc.**  
**Registration Statement on Form S-1**  
**File No. 333- 212487**  
**Acceleration Request**  
**Requested Date: September 23, 2016**  
**Requested Time: 4:00 P.M. Eastern Time**

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Capnia, Inc. (the "Company") hereby requests that the above-referenced Registration Statement on Form S-1 (File No. 333- 212487) (the "Registration Statement") be declared effective at the "Requested Date" and "Requested Time" set forth above or at such later time as the Company or its counsel may orally request via telephone call to the staff (the "Staff") of the Division of Corporation Finance of the Securities and Exchange Commission (the "Commission"). Once the Registration Statement has been declared effective, please orally confirm that event with our counsel, Wilson Sonsini Goodrich & Rosati, P.C., by calling Elton Satusky at (650) 565-3588.

In connection with the acceleration request, the Company hereby acknowledges that:

- should the Commission or the Staff, acting pursuant to delegated authority, declare the Registration Statement effective, it does not foreclose the Commission from taking any action with respect to the Registration Statement;
- the action of the Commission or the Staff, acting pursuant to delegated authority, in declaring the filing effective, does not relieve the Company from its full responsibility for the adequacy and accuracy of the disclosure in the Registration Statement; and
- the Company may not assert Staff comments and the declaration of effectiveness as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

The Company understands that the staff will consider this request as confirmation by the Company of its awareness of its responsibilities under the Federal securities laws as they relate to the offering of the securities covered by the Registration Statement.

*[Signature page follows]*

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Sincerely,

Capnia, Inc.

/s/ Anish Bhatnagar

Anish Bhatnagar  
Chief Executive Officer

cc: David O'Toole, Capnia, Inc.

Elton Satusky, Wilson Sonsini Goodrich & Rosati, P.C.

*(Signature Page to Acceleration Request Letter)*