

CHIMERIX, INC.  
2505 Meridian Parkway, Suite 340  
Durham, NC 27713

May 14, 2014

VIA EDGAR

U.S. Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549  
Attention: Christina De Rosa  
Bryan Pitko

**Re: Chimerix, Inc.**  
**Registration Statement on Form S-3**  
**Filed May 1, 2014**  
**File No. 333-195626**

Ladies and Gentlemen:

Pursuant to Rules 460 and 461 under the Securities Act of 1933, as amended, the undersigned registrant hereby requests that the U.S. Securities and Exchange Commission (the "**Commission**") take appropriate action to cause the above-referenced Registration Statement on Form S-3 to become effective at 4:00 p.m. Eastern Time on May 16, 2014 or as soon thereafter as is practicable.

The undersigned registrant hereby acknowledges that:

- should the Commission or its staff, acting pursuant to delegated authority, declare the filing effective, it does not foreclose the Commission from taking any action with respect to the filing;
  - the action of the Commission or its 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 filing; 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.
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Very truly yours,

**CHIMERIX, INC.**

By: /s/ Michael Alrutz

Michael Alrutz

Corporate Counsel