

CHIMERIX, INC.  
2505 MERIDIAN PARKWAY, SUITE 100  
DURHAM, NC 27713

August 13, 2020

VIA EDGAR

United States Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549  
Attn: Ada D. Sarmento

**Re: Chimerix, Inc. (the “Company”)  
Registration Statement on Form S-3 (File No. 333-244146)**

**Acceleration Request**

**Requested Date: Monday, August 17, 2020**  
**Requested Time: 9:00 A.M. Eastern Standard Time**

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, the undersigned registrant hereby requests that the Securities and Exchange Commission (the “Commission”) take appropriate action to cause the above-referenced Registration Statement on Form S-3 to become effective at 9:00 a.m. Eastern Time on August 17, 2020, or as soon thereafter as is practicable.

In connection with this request, the Company acknowledges that:

- should the Commission or the staff of the Commission (the “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 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 disclosures 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.

If you have any questions regarding this request, please contact Jason L. Kent of Cooley LLP at (858) 550-6044.

Very truly yours,

CHIMERIX, INC.

/s/ Michael Alrutz  
Michael Alrutz  
Senior Vice President, General Counsel

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