

Bionano Genomics, Inc.  
9540 Towne Centre Drive, Suite 100  
San Diego, California 92121  
(858) 888-7600

November 2, 2023

VIA EDGAR

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

**Re: Bionano Genomics, Inc.  
Registration Statement on Form S-3  
File No. 333-275181**

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 take appropriate action to cause the above-referenced Registration Statement on Form S-3 to become effective at 4:30 p.m. Eastern Time on November 6, 2023, or as soon thereafter as is practicable.

Once the above-referenced Registration Statement has been declared effective, please orally confirm that event with Su Lian Lu of Cooley LLP, counsel to the Registrant, at (310) 883-6555.

**BIONANO GENOMICS, INC.**

By: /s/ R. Erik Holmlin, Ph.D.  
R. Erik Holmlin, Ph.D.  
President and Chief Executive Officer

cc: Su Lian Lu, Cooley LLP

---