

July 27, 2018

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

Attn: Ms. Amanda Ravitz

**Re: Bionano Genomics, Inc.  
Registration Statement on Form S-1  
File No. 333-225970**

Ladies and Gentlemen:

Pursuant to Rule 461 of the General Rules and Regulations of the U.S. Securities and Exchange Commission under the Securities Act of 1933, as amended, Roth Capital Partners, LLC, as representative of the underwriters, hereby requests acceleration of the effective date of the above-referenced Registration Statement so that it will become effective at 4:00 p.m., Eastern Time, on Tuesday, July 31, 2018, or as soon thereafter as practicable.

The following is supplemental information supplied under Rule 418(a)(7) and Rule 460 under the Securities Act of 1933:

- (i) Date of preliminary prospectus: July 19, 2018;
- (ii) Dates of distribution: July 19, 2018 through the date hereof;
- (iii) Number of prospective underwriters and selected dealers to whom the preliminary prospectus was furnished: 15; and
- (iv) Number of prospectuses so distributed: electronic 224, print 45.

The undersigned confirms that it has complied with and will continue to comply with, and it has been informed or will be informed by participating dealers that they have complied with or will comply with, Rule 15c2-8 promulgated under the Securities Exchange Act of 1934, as amended, in connection with the above-referenced issue.

**ROTH CAPITAL PARTNERS, LLC**

By: /s/ Aaron M. Gurewitz  
Name: Aaron M. Gurewitz  
Title: Head of Equity Capital Market