

August 7, 2024

R. Erik Holmlin, Ph.D.  
President and Chief Executive Officer  
Bionano Genomics, Inc.  
9540 Towne Centre Drive, Suite 100  
San Diego, CA 92121

Re: Bionano Genomics, Inc.  
Registration Statement on Form S-3  
Filed July 31, 2024  
File No. 333-281138

Dear R. Erik Holmlin Ph.D.:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Abby Adams at 202-551-6902 with any questions.

Sincerely,

Division of

Office of Industrial

Services

Corporation Finance

Applications and