

March 17, 2023

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

Inc.

Statement on Form S-3

2023

Re: Bionano Genomics,

Registration

Filed March 10,

File No. 333-270459

Dear R. Erik Holmlin:

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 Jane

Park at 202-551-7439 with any questions.

Sincerely,

Division of Corporation Finance

Office of Industrial Applications and

Services

cc:

Phillip McGill, Esq.