



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

April 4, 2022

Jeffrey Soinski
Chief Executive Officer
Avinger Inc
400 Chesapeake Drive
Redwood City, California 94063

Re: Avinger Inc
Registration Statement on Form S-3
Filed March 29, 2022
File No. 333-263921

Dear Mr. Soinski:

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 Michael Davis at 202-551-4385 or Celeste Murphy at 202-551-3257 with any questions.

Sincerely,

Division of Corporation Finance
Office of Life Sciences

cc: David Marx