



DIVISION OF
CORPORATION FINANCE

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

July 28, 2025

Maria Palasis, Ph.D.
Chief Executive Officer
Lyra Therapeutics, Inc.
480 Arsenal Way
Watertown, MA 02472

Re: Lyra Therapeutics, Inc.
Registration Statement on Form S-1
Filed July 22, 2025
File No. 333-288872

Dear Maria Palasis 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 Juan Grana at 202-551-6034 with any questions.

Sincerely,

Division of Corporation Finance
Office of Industrial Applications and
Services

cc: Wesley C. Holmes, Esq.