



DIVISION OF
CORPORATION FINANCE

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

April 29, 2024

Francois Michelin
Chief Executive Officer
ENDRA Life Sciences Inc.
3600 Green Court, Suite 350
Ann Arbor, MI 48105-1570

Re: ENDRA Life Sciences Inc.
Registration Statement on Form S-1
Filed April 19, 2024
File No. 333-278842

Dear Francois Michelin:

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 Nicholas O'Leary at 202-551-4451 with any questions.

Sincerely,

Division of Corporation Finance
Office of Industrial Applications and
Services

cc: Coleman Wombwell, Esq.