August 13, 2020

Troy E. Wilson, Ph.D., J.D. President and Chief Executive Officer Kura Oncology, Inc. 12730 High Bluff Drive, Suite 400 San Diego, CA 92130

> Re: Kura Oncology, Inc. Registration

Statement on Form S-3

2020

Filed August 6,

File No. 333-241663

Dear Dr. Wilson:

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 Jeffrey

Gabor at 202-551-2544 with any questions.

Sincerely,

Division of Corporation Finance

Office of Life Sciences

cc: Charles Bair, Esq.