

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

June 2, 2023

Michelle Gilson Chief Financial Officer Arcellx, Inc. 25 West Watkins Mill Road, Suite A Gaithersburg, MD 20878

Re: Arcellx, Inc.

Form 10-K for the fiscal year ended December 31, 2022

Filed March 29, 2023 File No. 001-41259

Dear Michelle Gilson:

We have completed our review of your filing. 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.

Sincerely,

Division of Corporation Finance Office of Life Sciences