

NUCANA PLC
3 Lochside Way
Edinburgh, EH12 9DT
United Kingdom

August 25, 2021

VIA EDGAR

U.S. Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Washington, D.C. 20549
Attention: Mr. Guttenberg

Re: NuCana plc
Registration Statement on Form F-3
Filed August 19, 2021
File No. 333-258941 (the "Registration Statement")
Acceleration Request

Ladies and Gentlemen:

In accordance with Rule 461 of the Rules and Regulations promulgated under the Securities Act of 1933, as amended, NuCana plc (the "Registrant") hereby respectfully requests that the Securities and Exchange Commission accelerate the effective date of the above-referenced Registration Statement to Friday, August 27, 2021, at 4:00 p.m., Eastern Time, or as soon as thereafter practicable.

The cooperation of the staff in meeting the timetable described above is very much appreciated.

Please contact John T. Rudy of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., counsel to the Registrant, at (617) 348-3050 with any questions regarding this request.

Very truly yours,

NUCANA PLC

/s/ Donald Munoz

Donald Munoz
Chief Financial Officer

cc: Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.
John T. Rudy, Esq.