

4D Molecular Therapeutics, Inc.
5858 Horton Street, #455
Emeryville, California 94608

April 13, 2022

VIA EDGAR AND E-MAIL

United States Securities and Exchange Commission
Division of Corporation Finance
Office of Life Sciences
100 F Street, N.E.
Washington, D.C. 20549-6010

Attention: Alan Campbell

Re: 4D Molecular Therapeutics, Inc. Registration Statement on Form S-3 (Registration No. 333-263925)

Ladies and Gentlemen:

In accordance with Rule 461 under the Securities Act of 1933, as amended, we hereby request acceleration of the effective date of the Registration Statement on Form S-3 (Registration No. 333-263925) (the "**Registration Statement**") of 4D Molecular Therapeutics, Inc. (the "**Company**"). We respectfully request that the Registration Statement become effective as of 4:00 p.m., Washington, D.C. time, on April 15, 2022, or as soon as practicable thereafter, or at such other time thereafter as our counsel, Latham & Watkins LLP may request by telephone. Once the Registration Statement has been declared effective, please orally confirm that event with our counsel, Latham & Watkins LLP, by calling Mark Roeder at (650) 463-3043 or Phillip Stoup at (415) 395-8216.

Thank you for your assistance in this matter.

Very truly yours,

4D MOLECULAR THERAPEUTICS, INC.

By: /s/ August Moretti

August Moretti
Chief Financial Officer

cc: David Kirm, M.D., 4D Molecular Therapeutics, Inc.
Scott Bizily, J.D., Ph.D., 4D Molecular Therapeutics, Inc.
Mark V. Roeder, Latham & Watkins LLP
Phillip S. Stoup, Latham & Watkins LLP