

November 10, 2020

VIA EDGAR

U.S. Securities and Exchange Commission
Division of Corporation Finance
Office of Healthcare & Insurance
100 F Street, N.E.
Washington, D.C. 20549-3720

Attention: Justin Dobbie
Julia Griffith
Sharon Blume
Christine Torney

Re: **IGM Biosciences, Inc.**
Registration Statement on Form S-3
File No. 333-249863

Acceleration Request

Requested Date: Thursday, November 12, 2020

Requested Time: 4:00 P.M. Eastern Time

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, IGM Biosciences, Inc. (the “**Company**”) hereby requests that the above-referenced Registration Statement on Form S-3 (File No. 333-249863) (the “**Registration Statement**”) be declared effective at the “Requested Date” and “Requested Time” set forth above or at such later time as the Company or its counsel may orally request via telephone call to the staff of the Division of Corporation Finance of the Securities and Exchange Commission. Once the Registration Statement has been declared effective, please orally confirm that event with our counsel, Wilson Sonsini Goodrich & Rosati, P.C., by calling Jennifer Knapp at (650) 849-3041.

[Signature page follows]

AUSTIN BEIJING BOSTON BRUSSELS HONG KONG LONDON LOS ANGELES NEW YORK PALO ALTO
SAN DIEGO SAN FRANCISCO SEATTLE SHANGHAI WASHINGTON, DC WILMINGTON, DE

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Sincerely,
IGM BIOSCIENCES, INC.

/s/ Fred Schwarzer
Fred Schwarzer
Chief Executive Officer and President

cc: Misbah Tahir, IGM Biosciences, Inc.
Paul Graffagnino, GCA Law Partners LLP

Tony Jeffries, Wilson Sonsini Goodrich & Rosati, P.C.
Kenneth A. Clark, Wilson Sonsini Goodrich & Rosati, P.C.
Jennifer Knapp, Wilson Sonsini Goodrich & Rosati, P.C.