CELLECTAR BIOSCIENCES, INC. 100 Campus Drive Florham Park, New Jersey 07932

June 11, 2019

VIA EDGAR

Securities and Exchange Commission Division of Corporation Finance 100 F Street, N.E. Washington, D.C. 20549 Attention: Joseph McCann

Re: Cellectar Biosciences, Inc.

Registration Statement on Form S-1

Filed May 31, 2019 File No. 333-231888

Ladies and Gentlemen:

Pursuant to Rule 461(a) under the Securities Act of 1933, as amended, Cellectar Biosciences, Inc., a Delaware corporation (the "Company"), hereby requests that the effective date of the Company's Registration Statement on Form S-1 (Registration No. 333-231888), as amended, be accelerated so that the Registration Statement will become effective at 5:00 p.m. on June 11, 2019, or as soon as practicable thereafter.

The cooperation of the staff in meeting our request is very much appreciated. If you have any questions or comments, please contact Gregory J. Lynch (608-283-2240 or sipylnch@michaelbest.com) or Joshua B. Erekson (801-833-0505 or jberekson@michaelbest.com). Thank you for your assistance with these matters.

Very truly yours,

CELLECTAR BIOSCIENCES, INC.

By: /s/ James V. Caruso

James V. Caruso, President and Chief Executive Officer

cc: Charles T. Bernhardt Gregory J. Lynch Joshua B. Erekson