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

November 30, 2022

VIA EDGAR

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

> Re: Cellectar Biosciences, Inc. Registration Statement on Form S-1 Filed November 23, 2022 File No. 333-268554

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. 333-268554), be accelerated so that the Registration Statement will become effective at 5:00 p.m. on December 2, 2022, 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 Asher M. Rubin (410-559-2881 or arubin@sidley.com) or Istvan A. Hajdu (212-839-5651 or inabley.com). Thank you for your assistance with these matters.

Very truly yours,

CELLECTAR BIOSCIENCES, INC.

By: /s/ Chad J. Kolean

Chad J. Kolean, Chief Financial Officer

cc: James V. Caruso Asher M. Rubin Istvan A. Hajdu