

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

November 16, 2017

James V. Caruso Chief Executive Officer Cellectar Biosciences, Inc. 3301 Agriculture Drive Madison, WI 53716

Re: Cellectar Biosciences, Inc.

Registration Statement on Form S-1

Filed November 9, 2017 File No. 333-221468

Dear Mr. Caruso:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Ada D. Sarmento at 202-551-3798 with any questions.

Division of Corporation Finance Office of Healthcare & Insurance

cc: Gregory J. Lynch