

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

November 28, 2017

Marie-Bleuenn Terrier General Counsel Cellectis S.A. 8, rue de la Croix Jarry 75013 Paris, France

Re: Cellectis S.A.

Form 20-F for the Fiscal Year Ended December 31, 2016

Filed March 23, 2017 File No. 001-36891

Dear Ms. Terrier:

We have completed our review of your filing. 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 by the staff.

Division of Corporation Finance Office of Healthcare & Insurance