

May 23, 2019

Chad Robins
Chief Executive Officer
Adaptive Biotechnologies Corporation
1551 Eastlake Avenue East
Suite 200
Seattle, WA 98102

Re: Adaptive Biotechnologies Corporation
Amendment No. 1
Draft Registration Statement on Form S-1
Submitted May 8, 2019
CIK No. 0001478320

Dear Mr. Robins:

We have reviewed your amended draft registration statement and have the following comments. In some of our comments, we may ask you to provide us with information so we may better understand your disclosure.

Please respond to this letter by providing the requested information and either submitting an amended draft registration statement or publicly filing your registration statement on EDGAR. If you do not believe our comments apply to your facts and circumstances or do not believe an amendment is appropriate, please tell us why in your response.

After reviewing the information you provide in response to these comments and your amended draft registration statement or filed registration statement, we may have additional comments.

Amendment No. 1 to Draft Registration Statement on Form S-1

Overview, page 3

1. We note your response to comment 4. Please expand your disclosure to include your time horizon for expected discussions with the FDA and IND submissions for your TCR-based cellular therapy product candidates.

Chad Robins
FirstName LastNameChadCorporation
Adaptive Biotechnologies Robins
Company NameAdaptive Biotechnologies Corporation
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FirstName LastName
Management's Discussion and Analysis of Financial Condition and Results of Operations
Comparison of the Years Ended December 31, 2017 and 2018
Research and Development, page 93

2. We have reviewed your response and revised disclosure in response to our prior comment

10. While you do not track R&D costs by product candidate it appears that you do track such costs by other classifications, including personnel costs, rent, software development costs and depreciation expense. Please revise to disclose the costs incurred by the types of costs classified as research and development for each period presented.

Our Market, page 105

3. We note your response to comment 2. Please balance your disclosure in this section by

clarifying that the total potential addressable market information is based on a number of estimates and assumptions and that for the largest portion of the potential addressable market, drug discovery, you are still in the very early stages of developing product candidates.

Exclusive Forum, page 176

4. We note your response to comment 7. Please revise your disclosure to clarify that your stockholders will not be deemed to have waived your compliance with the federal securities laws and the rules and regulations thereunder.
Consolidated Financial Statements
Notes to Financial Statements
Microsoft Collaboration Agreement, page F-32

5. We have reviewed your response and revised disclosure in response to our prior comment sixteen. It is our understanding that you did not account for your collaboration agreement with Microsoft under ASC 606. Please tell us how you accounted for the agreement, including the specific accounting literature you relied upon when making such determination. In your response, address your accounting for the following:
the exchange of Microsoft's machine learning software at "no charge" for your data and immunomics, diagnostic and bioinformatics expertise at "no charge"
the certain licenses to intellectual property rights granted to you by Microsoft
your exclusivity obligation to Microsoft with respect to collaborations and projects that are substantially similar; and
your commitment to purchase a minimum of \$12 million in Azure cloud services from Microsoft over a 7 year period.

Quantify the related amounts recorded in your financial statements for each period presented.

Chad Robins
Adaptive Biotechnologies Corporation
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You may contact Andi Carpenter at 202-551-3645 or Sharon Blume at 202-551-3474 if you have questions regarding comments on the financial statements and related matters. Please contact Julia Griffith at 202-551-3267 or Justin Dobbie at 202-551-3469 with any other questions.

FirstName LastNameChad Robins
Comapany NameAdaptive Biotechnologies Corporation
Corporation Finance
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& Insurance
FirstName LastName

Sincerely,
Division of
Office of Healthcare