

Century Therapeutics, Inc.
25 North 38th Street, 11th Floor
Philadelphia, Pennsylvania 19104

May 17, 2024

VIA EDGAR

U.S. Securities and Exchange Commission
Division of Corporation Finance
Office of Life Sciences
100 F Street, N.E.
Washington, D.C. 20549-7553

Re: Century Therapeutics, Inc.
Registration Statement on Form S-3
Filed May 15, 2024 (File No. 333-279422)

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Century Therapeutics, Inc. (the "**Company**") hereby requests that the effective date of the Company's Registration Statement on Form S-3 (File No. 333-279422) (the "**Registration Statement**") be accelerated so that the Company's Registration Statement will become effective at 4:05 P.M., Eastern Time, on May 21, 2024, or as soon thereafter as is practicable.

Please contact Justin S. Platt, Esq. of Goodwin Procter LLP, counsel to the Company, at (212) 459-7340 to provide notice of effectiveness, or if you have any questions or comments concerning this request.

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Very truly yours,

CENTURY THERAPEUTICS, INC.

By: /s/ Brent Pfeiffenberger, Pharm.D.

Name: Brent Pfeiffenberger, Pharm.D.

Title: President and Chief Executive Officer
