

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

PARSE BIOSCIENCES, INC.,
Petitioner

v.

THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR
UNIVERSITY,¹
Patent Owner

Case IPR2023-01033
Patent 10,738,357

DECLARATION OF SAYEM OSMAN

¹ Petitioner listed 10x as the Patent Owner. While 10x, as exclusive licensee, is the real party-in-interest, The Board of Trustees of the Leland Stanford Junior University (“Stanford University”) is formally the Patent Owner.

I, Sayem Osman, make the following Declaration pursuant to 28 U.S.C. § 1746:

1. I am a paralegal at the law firm of Groombridge, Wu, Baughman & Stone LLP.

2. I provide this Declaration in connection with the Preliminary Response to the above-identified *Inter Partes* Review proceeding. Unless otherwise stated, the facts stated in this Declaration are based on my personal knowledge.

3. EX2001 hereto is a true and correct copy of the File History of U.S. App. No. 14/784,250 which I retrieved on July 27, 2023, from the United States Patent & Trademark Office's Patent Center website

(<https://patentcenter.uspto.gov/applications/14784250/ifw/docs?application=>). An exhibit label and page numbers have been added to the bottom of all pages of EX2001 but no other alterations have been made.

4. EX2002 hereto is a true and correct copy of United States Patent Application Publication No. 2015/0111788 which I retrieved on July 25, 2023, from the United States Patent & Trademark Office's Patent Public Search Basic (PPUBS Basic) website (<https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/20150111788>). An exhibit label and page numbers have been added to the bottom of all pages of EX2002 but no other alterations have been made.

5. EX2003 hereto is a true and correct copy of United States Patent No. 9,080,211 which I retrieved on July 26, 2023, from the United States Patent & Trademark Office's Patent Public Search Basic (PPUBS Basic) website (<https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/9080211>). An exhibit label and page numbers have been added to the bottom of all pages of EX2003 but no other alterations have been made.
6. EX2004 hereto is a true and correct copy of Shaoqian Ma's and Yongyou Zhang's article titled "*Profiling Chromatin Regulatory Landscape: Insights into the Development of ChIP-seq and ATAC-seq*," Mol Biomed 1, 9 (2020) which I retrieved on July 26, 2023 from <https://link.springer.com/article/10.1186/s43556-020-00009-w>. An exhibit label and page numbers have been added to the bottom of all pages of EX2004 but no other alterations have been made.
7. EX2005 hereto is a true and correct copy of Tanvi Shashikant's and Charles A. Ettensohn's article titled "*Genome-wide Analysis of Chromatin Accessibility Using ATAC-seq*," Methods Cell Biol. 151:219-235 (2019) which I retrieved on July 26, 2023 from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7259819/pdf/nihms-1585485.pdf>. An exhibit label and page numbers have been added to the bottom of all pages of EX2005 but no other alterations have been made.
8. EX2006 hereto is a true and correct copy of A. Han's article titled "*Parse Biosciences Expands Single-Cell Product Line, Global Research*," genomeweb (Apr.

14, 2022) which I retrieved on July 25, 2023 from

<https://www.genomeweb.com/sequencing/parse-biosciences-expands-single-cell-product-line-global-reach>. An exhibit label and page numbers have been added to the bottom of all pages of EX2006 but no other alterations have been made.

9. EX2008 hereto is a true and correct excerpt of Bruce Alberts, et al., *Molecular Biology of the Cell*, Garland Science (4th ed. 2002) which I retrieved on July 26, 2023 from <https://www.zuj.edu.jo/download/alberts-molecular-biology-of-the-cell-4th-ed-pdf/>. An exhibit label and page numbers have been added to the bottom of all pages of EX2008 but no other alterations have been made.

10. EX2009 hereto is a true and correct copy of United States Patent Application Publication No. 2015/0337298 which I retrieved on July 26, 2023, from the United States Patent & Trademark Office's Patent Public Search Basic (PPUBS Basic) website (<https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/20150337298>). An exhibit label and page numbers have been added to the bottom of all pages of EX2009 but no other alterations have been made.

11. EX2010 hereto is a true and correct copy of the File History of U.S. App. No. 16/418,796 which I retrieved on July 25, 2023, from the United States Patent & Trademark Office's Patent Center website (<https://patentcenter.uspto.gov/applications/16418796/ifw/docs?application=>). An

exhibit label and page numbers have been added to the bottom of all pages of EX2010 but no other alterations have been made.

12. EX2012 hereto is a true and correct copy of United States Patent Application Publication No. 2003/0032141 which I retrieved on July 25, 2023, from the United States Patent & Trademark Office's Patent Public Search Basic (PPUBS Basic) website (<https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/20030032141>). An exhibit label and page numbers have been added to the bottom of all pages of EX2012 but no other alterations have been made.

13. EX2013 hereto is a true and correct copy of the File History of U.S. App. No. 16/418,889 which I retrieved on September 16, 2023, from the United States Patent & Trademark Office's Patent Center website (<https://patentcenter.uspto.gov/applications/16418889/ifw/docs?application=>). An exhibit label and page numbers have been added to the bottom of all pages of EX2013 but no other alterations have been made.

14. EX2014 hereto is a true and correct copy of United States Patent Application Publication No. 2015/0111788 which I retrieved on September 16, 2023, from the United States Patent & Trademark Office's Patent Public Search Basic (PPUBS Basic) website (<https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/20110206042>). An exhibit label and page numbers have

been added to the bottom of all pages of EX2014 but no other alterations have been made.

15. EX2015 hereto is a true and correct copy of B. Audit et al.'s article titled "*Open chromatin encoded in DNA sequence is the signature of 'master' replication origins in human cells*," Nucleic Acids Research, 37 (18), 6064-6075 (2009), which I retrieved on September 16, 2023 from <https://academic.oup.com/nar/article/37/18/6064/1088336>. An exhibit label and page numbers have been added to the bottom of all pages of EX2015 but no other alterations have been made.

16. I have been warned that willful false statements and the like are punishable by fine or imprisonment, or both. I make this declaration of my own personal knowledge, and all statements are true. If called to testify as to the truth of the matters stated herein, I could and would testify competently.

17. I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct. Executed on this 21st day of September, 2023, at Washington, D.C.



Sayem Osman