

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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ILLUMINA, INC.,  
Petitioner,

v.

THE TRUSTEES OF COLUMBIA UNIVERSITY  
IN THE CITY OF NEW YORK  
Patent Owner.

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Case IPR2020-00988 (U.S. Patent 10,407,458)  
Case IPR2020-01065 (U.S. Patent 10,407,459)  
Case IPR2020-01177 (U.S. Patent 10,435,742)  
Case IPR2020-01125 (U.S. Patent 10,457,984)  
Case IPR2020-01323 (U.S. Patent 10,428,380)

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**DECLARATION OF KENNETH A. JOHNSON, PH.D.**

Columbia Ex. 2071 Illumina, Inc. v. The Trustees of Columbia University in the City of New York IPR2020-00988, -01065, -01177, 01125, 01323
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## **I. INTRODUCTION AND QUALIFICATIONS**

1. I have been retained on behalf of The Trustees of Columbia University in the City of New York (“Columbia”) in connection with the challenges by Illumina, Inc. (“Illumina”) to the claims of Columbia’s U.S. Patent Nos. 10,407,458; 10,407,459; 10,435,742; 10,457,984; and 10,428,380 (the “patents-at-issue”).

2. I am being compensated for my time consulting in this matter at the rate of \$700 per hour. I have no financial interest in the outcome of this proceeding and my compensation is in no way contingent upon my opinions or the outcome of this proceeding.

3. I am the Roger Williams Centennial Professor of Biochemistry at the University of Texas at Austin and the President and founder of KinTek Corporation, a company noted internationally for its manufacture of instruments and software that I designed for advanced kinetic analysis.

4. I earned a Bachelor of Science in Chemistry with Honors and Highest Distinction from the University of Iowa in 1971. I earned a Ph.D. in Molecular Biology from the University of Wisconsin in 1975 for work done with Professor Gary Borisy.

5. From 1975 to 1979 I was a postdoctoral scholar working with Dr. Edwin W. Taylor at the University of Chicago Department of Biophysics and

Theoretical Biology. During this time I was supported by fellowships from the National Institutes of Health and the Muscular Dystrophy Association.

6. Starting as an Assistant Professor in the Department of Biochemistry and Biophysics at The Pennsylvania State University in March 1979, I advanced to the rank of Paul Berg Professor of Biochemistry before leaving in August 1998.

7. Since August of 1998, I have been the Roger Williams Centennial Professor of Biochemistry at The University of Texas at Austin initially in the Department of Chemistry and Biochemistry—the Biochemistry division was subsequently reorganized into the Department of Molecular Biosciences.

8. In 1987 I founded KinTek Corporation to manufacture and market instruments that I designed to perform single turnover and transient-state kinetic analysis. I also designed and worked closely with computer programmers to develop a novel approach for modeling and fitting kinetic data that is now adopted worldwide.

9. As a Principal Investigator, I have authored more than 195 original publications and review articles in peer-reviewed journals including Science, Nature, The Proceedings of the National Academy of Sciences, Journal of Biological Chemistry, Biochemistry, Journal of Molecular Biology, Journal of Cell Biology, Antimicrobial Agents and Chemotherapy, Nucleic Acids Research, Journal of

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