

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

10X GENOMICS, INC.,
Petitioner

v.

BRUKER SPATIAL BIOLOGY, INC.,
Patent Owner

IPR2023-01298
U.S. Patent No. 11,377,689

PETITIONER’S UPDATED EXHIBIT LIST

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Petitioner 10x Genomics, Inc. files this Updated Exhibit List to accompany
filing of Exhibit 1057, Petitioner's Demonstratives for Oral Hearing.

PETITIONER'S UPDATED EXHIBIT LIST

Exhibit No.	Description
1001	U.S. Patent No. 11,377,689 to Beechem <i>et al.</i> , issued July 5, 2022 ("689 patent")
1002	Declaration of Paul Spellman, Ph.D.
1003	<i>Curriculum Vitae</i> of Paul Spellman, Ph.D.
1004	File History of U.S. Patent No. 11,377,689
1005	International Patent Application Publication No. WO 2017/019456 A2 to So <i>et al.</i> , published February 2, 2017 ("So-456")
1006	International Patent Application Publication No. WO 2021/133849 A1 to Chell <i>et al.</i> , published July 1, 2021 ("Chell")
1007	"Explore Illumina sequencing technology," Illumina, Inc., accessible at https://www.illumina.com/science/technology/next-generation-sequencing/plan-experiments/paired-end-vs-single-read.html
1008	"Visium Spatial Gene Expression Reagent Kits for FFPE," 10x Genomics, Inc., Document No. CG000407, Rev. D, 2022
1009	U.S. Patent Application No. 16/272,487, filed February 11, 2019
1010	U.S. Provisional Application No. 62/771,212, filed November 26, 2018
1011	U.S. Provisional Application No. 62/629,180, filed February 12, 2018
1012	File History of U.S. Patent Application No. 16/272,487

Exhibit No.	Description
1013	Merritt, <i>et al.</i> , “Multiplex digital spatial profiling of proteins and RNA in fixed tissue,” <i>Nature Biotechnology</i> 38:586-599 (May 2020)
1014	<i>Intentionally Left Blank</i>
1015	<i>Intentionally Left Blank</i>
1016	Stahl <i>et al.</i> , “Visualization and analysis of gene expression in tissue selections by spatial transcriptomics,” <i>Science</i> 353(6294):78-82 (July 1, 2016), with attached Supplementary Materials
1017	International Patent Application Publication No. WO 2012/140224 A1 to Frisen <i>et al.</i> , published October 18, 2012
1018	Spatial Transcriptomics Workflow, accessible at https://spatialtranscriptomics.com/workflow/
1019	Kivioja <i>et al.</i> , “Counting absolute numbers of molecules using unique molecular identifiers,” <i>Nature Methods</i> 9(1):72-76 (January 2012), with attached Supplementary Information
1020	NanoString Technologies, Inc.’s Initial Infringement Contentions with Attachment A and Exhibit 1, <i>10x Genomics, Inc. et al. v. NanoString Technologies, Inc.</i> , Case No. 1:22-cv-00261 (D. Del.), filed November 23, 2022
1021	Nanostring Technologies, Inc. First Amended Answer, Affirmative Defense, and Counterclaims to Plaintiffs’ First Amended Complaint, <i>10x Genomics, Inc. et al. v. NanoString Technologies, Inc.</i> , Case No. 1:22-cv-00261 (D. Del.), filed August 16, 2022
1022	<i>Intentionally Left Blank</i>
1023	Scheduling Order, <i>NanoString Technologies, Inc. v. 10x Genomics, Inc.</i> , Case No. 1:22-cv-01375 (D. Del.), filed April 13, 2023

Exhibit No.	Description
1024	Joint Claim Construction Statement with Exhibits A through C, <i>NanoString Technologies, Inc. v. 10x Genomics, Inc.</i> , Case No. 1:22-cv-01375 (D. Del.), filed August 4, 2023
1025	Duncan <i>et al.</i> , “A method for detecting single mRNA molecules in <i>Arabidopsis thaliana</i> ,” <i>Plant Methods</i> 12:13 (2016)
1026	Lieben, L., “Spatial transcriptomics in plants,” <i>Nature Reviews Genetics</i> 18:394 (2017)
1027	Jemt <i>et al.</i> , “An automated approach to prepare tissue-derived spatially barcoded RNA-sequencing libraries,” <i>Scientific Reports</i> 6:37137 (2016)
1028	Asp <i>et al.</i> , “Spatial detection of fetal marker genes expressed at low level in adult human heart tissue,” <i>Scientific Reports</i> 7:12941 (2017)
1029	“Interim Procedure for Discretionary Denials in AIA Post-Grant Proceedings with Parallel District Court Litigation,” United States Patent and Trademark Office Memorandum, June 21, 2022
1030	Fantini <i>et al.</i> , “Assessment of antibody library diversity through next generation sequencing and technical error compensation,” <i>PLOS One</i> 12(5):e0177574 (2017)
1031	U.S. Patent Application Publication No. 2007/0172873 to Brenner <i>et al.</i> , published July 26, 2007 (“Brenner 873”)
1032	U.S. Patent No. 9,567,645 to Fan <i>et al.</i> , issued February 14, 2017 (“Fan 645”)
1033	U.S. Patent No. 8,835,358 to Fodor <i>et al.</i> , issued September 16, 2014 (“Fodor 358”)
1034	International Patent Application Publication No. WO 2016/138496 A1 to Fodor <i>et al.</i> , published September 1, 2016 (“Fodor 496”)

Exhibit No.	Description
1035	U.S. Patent No. 9,902,950 to Church <i>et al.</i> , issued February 27, 2018 (“Church 950”)
1036	U.S. Patent Application Publication No. 2016/0122753 to Mikkelsen <i>et al.</i> , published May 5, 2016 (“Mikkelsen 753”)
1037	“An Introduction to Next-Generation Sequencing Technology,” Illumina, Inc. (2017), accessible at https://www.illumina.com/content/dam/illumina-marketing/documents/products/illumina_sequencing_introduction.pdf
1038-1050	<i>Intentionally Left Blank</i>
1051	Transcript of Teleconference between Board and Parties, December 8, 2023
1052	Memorandum Opinion and Order, <i>NanoString Technologies, Inc. v. 10x Genomics Inc.</i> , Case No. 1:22-cv-01375 (D. Del.), February 1, 2024
1053	Motion of 10x Genomics, Inc. for Entry of an Order (i) Modifying the Automatic Stay with Respect to the 653 Action and the IPR Proceedings and (ii) Granting Related Relief, <i>In re: Nanostring Technologies, Inc., et al.</i> , Case No. 24-10160 (Bankr. D. Del.), February 22, 2024
1054	Order (A) Approving Asset Purchase Agreement, (B) Approving the Sale of the Debtors' Assets Free and Clear of Liens, Claims, Interests, and Encumbrances, (C) Approving the Assumption and Assignment of Certain Executory Contracts and Unexpired Leases, and (D) Granting Related Relief, <i>In re: Nanostring Technologies, Inc., et al.</i> , Case No. 24-10160 (Bankr. D. Del.), April 19, 2024
1055	Declaration of Paul Spellman, Ph.D. in Support of Petitioner’s Reply
1056	Transcript of the Deposition of David Sherman, Ph.D., October 30, 2024

Exhibit No.	Description
1057	Petitioner's Demonstratives for Oral Argument

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX PLLC

/David H. Holman/

David H. Holman
Registration No. 61,205
Lead Attorney for Petitioner

Date: March 6, 2025

1101 K Street, NW, 10th Floor
Washington, DC 20005
(202) 371-2600

CERTIFICATE OF SERVICE (37 C.F.R. § 42.6(e))

I certify that the above-captioned **PETITIONER'S UPDATED EXHIBIT LIST** and **EXHIBIT 1057** were served in their entireties on March 6, 2025, upon the following parties via electronic mail:

Derek C. Walter (Lead Counsel)
Concord Cheung (Back-up Counsel)
Edward R. Reines (Back-up Counsel)
WEIL, GOTSCHAL & MANGES, LLP
derek.walter@weil.com
concord.cheung@weil.com
edward.reines@weil.com
Nanostring.10X@weil.com

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX PLLC

/David H. Holman/

David H. Holman
Registration No. 61,205
Lead Attorney for Petitioner

Date: March 6, 2025

1101 K Street, NW, 10th Floor
Washington, DC 20005
(202) 371-2600