

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Merck Sharp & Dohme LLC,
Petitioner

v.

The Johns Hopkins University,
Patent Owner

IPR2024-00625
Patent No. 11,339,219

PETITIONER'S CURRENT LIST OF EXHIBITS

LIST OF EXHIBITS

Ex. No.	Description	Previously Submitted
EX1001	U.S. Patent No. 11,339,219 (the “’219 patent”)	X
EX1002	File History of the ’219 patent (U.S. Patent Application No. 17/131,328)	X
EX1003	Declaration of Dr. Alfred I. Neugut, M.D., Ph.D., M.P.H.	X
EX1004	Curriculum Vitae of Dr. Alfred I. Neugut, M.D., Ph.D., M.P.H.	X
EX1005	ClinicalTrials.gov, NCT01876511, “Study of MK-3475 in Patients With Microsatellite Unstable (MSI) Tumors (Cohorts A, B and C),” (June 10, 2013) available at https://clinicaltrials.gov/study/NCT01876511?tab=history&a=1 (“MSI-H Study Record”); also available at Merck Sharp & Dohme LLC v. The Johns Hopkins University, 1:22-cv-03059-BPG, ECF 1, Complaint, Exhibit B (11/29/22)	X
EX1006	Pernot et al, <i>Colorectal Cancer and Immunity: What We Know and Perspectives</i> , 20(14) World J. Gastroenterology 3738 (April 2014)	X
EX1007	Chapelle et al, <i>Clinical Relevance of Microsatellite Instability in Colorectal Cancer</i> , 28(20) J. Clinical Oncology 3380 (2010)	X
EX1008	Steinert et al, <i>Immune Escape and Survival Mechanisms in Circulating Tumor Cells of Colorectal Cancer</i> , 74(6) Cancer Research OF1 (March 2014)	X
EX1009	Benson et al, <i>Colon Cancer, Version 3.2014: Clinical Practice Guidelines in Oncology</i> , 12(7) J. Nat’l Comprehensive Cancer Network 1028 (July 2014)	X

EX1010	Salipante et al, <i>Microsatellite Instability Detection by Next Generation Sequencing</i> , 60(9) Clinical Chemistry 1192 (June 2014)	X
EX1011	Hamid et al, <i>Safety and Tumor Responses with Lambrolizumab (Anti-PD-1) in Melanoma</i> , 369(2) New Eng. J. Medicine 134 (July 2013)	X
EX1012	Laheru et al, <i>Immunotherapy for Pancreatic Cancer Science Driving Clinical Progress</i> , 5 Nature Revs. 459 (June 2005)	X
EX1013	Topalian et al, <i>Safety, Activity, and Immune Correlates of Anti-PD-1 Antibody in Cancer</i> , 366(26) New Eng. J. Med. 2443 (June 28, 2012)	X
EX1014	Pardoll, <i>The Blockade of Immune Checkpoints in Cancer Immunotherapy</i> , 12 Nature Revs. 252 (April 2012)	X
EX1015	Kang et al, <i>Pembrolizumab KEYNOTE-001: An Adaptive Study Leading to Accelerated Approval for Two Indications and a Companion Diagnostic</i> , 28(6) Annals of Oncology 1388 (2017)	X
EX1016	ClinicalTrials.gov, NCT01848834, “Study of MK-3475 in Participants With Advanced Solid Tumors (MK-3475-012),” (October 18, 2013) available at https://classic.clinicaltrials.gov/ct2/history/NCT01848834?A=12&B=12&C=merged#StudyPageTop	X
EX1017	ClinicalTrials.gov, NCT02054806, “Study of Pembrolizumab (MK-3475) in Participants With Advanced Solid Tumors (MK-3475-028/KEYNOTE-28),” (July 7, 2014) available at https://clinicaltrials.gov/study/NCT02054806?tab=history&a=14	X
EX1018	Robinson et al, <i>Lynch Syndrome (Hereditary Nonpolyposis Colorectal Cancer) Diagnostics</i> , 99(4) J. Nat’l Cancer Inst. 291 (2007)	X

EX1019	Fujiwara et al, <i>Accumulated Clonal Genetic Alterations in Familial and Sporadic Colorectal Carcinomas with Widespread Instability in Microsatellite Sequences</i> , 153(4) Am. J. Pathology 1063 (1998)	X
EX1020	National Comprehensive Cancer Network, NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) Colon Cancer Version 3.2014 (January 27, 2014)	X
EX1021	Press Release, National Institutes of Health Launches “ClinicalTrials.gov” (February 20, 2000), Available at https://www.nlm.nih.gov/archive/20040831/news/press_releases/clntrlpr00.html	X
EX1022	File History of the '356 patent (U.S. Patent Application No. 17/465,101)	X
EX1023	July 27, 2017 Keytruda Package Insert, available at https://www.accessdata.fda.gov/drugsatfda_docs/label/2017/125514s014lbl.pdf	X
EX1024	ClinicalTrials.gov, NCT01876511, “Study of MK-3475 in Patients With Microsatellite Unstable (MSI) Tumors (Cohorts A, B and C),” (June 12, 2013) available at https://www.clinicaltrials.gov/study/NCT01876511?tab=history&a=2	X
EX1025	ClinicalTrials.gov, NCT01876511, “Study of MK-3475 in Patients With Microsatellite Unstable (MSI) Tumors (Cohorts A, B and C),” (September 20, 2013) available at https://www.clinicaltrials.gov/study/NCT01876511?tab=history&a=3	X
EX1026	ClinicalTrials.gov, NCT01876511, “Study of MK-3475 in Patients With Microsatellite Unstable (MSI) Tumors (Cohorts A, B and C),” (May 21, 2014) available at https://www.clinicaltrials.gov/study/NCT01876511?tab=history&a=4	X

EX1027	ClinicalTrials.gov, NCT01876511, “Study of MK-3475 in Patients With Microsatellite Unstable (MSI) Tumors (Cohorts A, B and C),” (June 25, 2014) available at https://www.clinicaltrials.gov/study/NCT01876511?tab=history&a=5	X
EX1028	Reserved	
EX1029	<i>Merck Sharp & Dohme LLC v. The Johns Hopkins University</i> , 1:22-cv-03059-BPG, ECF 40, The Johns Hopkins University’s First Amended Answer and Counterclaims to Merck’s Complaint for Declaratory Relief (Filed 5/22/23)	X
EX1030	U.S. Provisional Patent App. No. 61/931,512	X
EX1031	Le et al, <i>PD-1 Blockade in Tumors with Mismatch-Repair Deficiency</i> , 372(26) New Eng. J. Medicine 2509 (June 25, 2015)	X
EX1032	Champiat et al, <i>Exomics and Immunogenics Bridging Mutational Load and Immune Checkpoints Efficacy</i> , 3(1) OncoImmunology e27817-1(January 2014)	X
EX1033	Gatalica et al, <i>Programmed Cell Death 1 (PD-1) and Its Ligand (PD-L1) in Common Cancers and Their Correlation with Molecular Cancer Type, Cancer, Epidemiology</i> , 23(12) Biomarkers & Prevention 2965 (November 12, 2014)	X
EX1034	Brown et al, <i>Neo-Antigens Predicted by Tumor Genome Meta-Analysis Correlate with Increased Patient Survival</i> , 24(5) Genome Research 743 (May 2014)	X
EX1035	Ogino et al, <i>Cancer Immunology - Analysis of Host and Tumor Factors for Personalized Medicine</i> , 8(12) Nature Revs. Clinical Oncology 711 (2011)	X

EX1036	Tougeron et al, <i>Tumor-Infiltrating Lymphocytes in Colorectal Cancers with Microsatellite Instability Are Correlated with the Number and Spectrum of Frameshift Mutations</i> , 22(9) Modern Pathology 1186 (2009)	X
EX1037	Nosho et al, <i>Tumour-infiltrating T-cell Subsets, Molecular Changes in Colorectal Cancer and Prognosis: Cohort Study and Literature Review</i> , 222(4) J. Pathology 350 (2010)	X
EX1038	Kim et al, <i>Prospects for Targeting PD-1 and PD-L1 in Various Tumor Types</i> , 28(supp.3) Oncology 15 (November 10, 2014)	X
EX1039	Llosa et al, <i>Immune Checkpoints Expression in MSI Versus MSS Colorectal Cancers and Their Potential Therapeutic Implications</i> , J. 32(15) Clinical Oncology 243s (May 2014)	X
EX1040	Loi et al, <i>Host Antitumor Immunity Plays a Role in the Survival of Patients With Newly Diagnosed Triple-Negative Breast Cancer</i> , 32(27) J. Clinical Oncology 2935 (July 28, 2014)	X
EX1041	Donnard et al, <i>Mutational Analysis of Genes Coding for Cell Surface Proteins in Colorectal Cancer Cell Lines Reveal Novel Altered Pathways, Druggable Mutations and Mutated Epitopes for Targeted Therapy</i> , 5(19) OncoTarget 199 (October 15, 2014)	X
EX1042	Kansara et al, <i>Translational Biology of Osteosarcoma</i> , 14(11) Nature Revs. Cancer 722 (October 16, 2014)	X
EX1043	U.S. Provisional Patent App. No. 62/190,977	X
EX1044	Tay et al, <i>A Combined Comparative Genomic Hybridization and Expression Microarray Analysis of Gastric Cancer Reveals Novel Molecular Subtypes 1,2</i> , 63(12) Cancer Research 3309 (2003)	X

EX1045	Wahlberg et al, <i>Evaluation of Microsatellite Instability and Immunohistochemistry for the Prediction of Germ-Line MSH2 and MLH1 Mutations in Hereditary Nonpolyposis Colon Cancer Families</i> , 62(12) Cancer Research 3485 (2002)	X
EX1046	Taggart et al, <i>High-level Microsatellite Instability in Appendiceal Carcinomas</i> , 37(8) Am. J. Surgical Pathology 1192 (August 2013)	X
EX1047	Stintzing et al, <i>Management of Colorectal Cancer</i> , 6 F1000 Prime Reports 1 (November 4, 2014)	X
EX1048	Eisenhauer et al, <i>New Response Evaluation Criteria in Solid Tumours: Revised RECIST Guideline (Version 1.1)</i> , 45(2) Eur. J. Cancer 228 (2009)	X
EX1049	Matikas et al, <i>The Place of Targeted Agents in the Treatment of Elderly Patients with Metastatic Colorectal Cancer</i> , 7(1) Cancers 439 (March 13, 2015)	X
EX1050	Lee et al, <i>Novel Therapies in Development for Metastatic Colorectal Cancer</i> , 7(4 Supp. 1) Gastrointestinal Cancer Research 1 (September 2015)	X
EX1051	Lal et al, <i>An Immunogenomic Stratification of Colorectal Cancer: Implications for Development of Targeted Immunotherapy</i> , 4(3) OncoImmunology 1 (April 2, 2015)	X
EX1052	Reserved	
EX1053	ClinicalTrials.gov, NCT02060188, “Study of Nivolumab and Nivolumab Plus Ipilimumab in Recurrent and Metastatic Colon Cancer (CheckMate 142),” (February 10, 2014) available at https://clinicaltrials.gov/study/NCT02060188?tab=history&a=1	X

EX1054	Ascierto et al, <i>Future Perspectives in Melanoma Research: Meeting Report from the “Melanoma Bridge”, Napoli, December 5th-8th 2013</i> , 12 J. Translational Medicine 277 (October 2024)	X
EX1055	September 4, 2014 Keytruda Package Insert, available at https://www.accessdata.fda.gov/drugsatfda_docs/label/2014/125514lbl.pdf	X
EX1056	Reserved	
EX1057	Lipson et al, <i>Durable Cancer Regression Off-Treatment and Effective Reinduction Therapy with an Anti-PD-1 Antibody</i> , 19(2) Clinical Cancer Research 462 (January 2015)	X
EX1058	Drescher et al, <i>Lymphocyte Recruitment into the Tumor Site is Altered in Patients with MSI-H Colon Cancer</i> , 8(3) Familial Cancer 231 (2009)	X
EX1059	Reserved	
EX1060	Reserved	
EX1061	Reserved	
EX1062	Reserved	
EX1063	DiMasi et al, <i>Clinical Approval Success Rates for Investigational Cancer Drugs</i> , 94(3) Clinical Pharmacology & Therapeutics 329 (September 2013)	X
EX1064	Le et al, Supplementary Appendix to <i>PD-1 Blockade in Tumors with Mismatch-Repair Deficiency</i> , 372(26) New Eng. J. Medicine 2509 (June 25, 2015), available at https://www.nejm.org/doi/suppl/10.1056/NEJMoa1500596/suppl_file/nejmoa1500596_appendix_1.pdf	X

EX1065	June 21, 2022 Memo From Katherine Vidal on Interim Procedure for Discretionary Denials in AIA Post-Grant Proceedings with Parallel District Court Litigation (June 21, 2022), available at https://www.uspto.gov/sites/default/files/documents/interim_proc_discretionary_denials_aia_parallel_district_court_litigation_memo_20220621_.pdf	X
EX1066	<i>Merck Sharp & Dohme LLC v. The Johns Hopkins University</i> , 1:22-cv-03059-BPG, ECF 57, Scheduling Order (Filed 10/16/23)	X
EX1067	Maryland, U.S. District Court – Judicial Caseload Profile, available at https://www.uscourts.gov/sites/default/files/data_tables/fcms_na_distprofile0630.2023.pdf	X
EX1068	Henry et al, <i>Cancer Biomarkers</i> , 6(2) Molecular Oncology 140 (2012)	X
EX1069	Garon et al, <i>Antitumor Activity of Pembrolizumab (Pembro; Mk-3475) and Correlation with Programmed Death Ligand 1 (Pd-L1) Expression in a Pooled Analysis of Patients (Pts) with Advanced Non–Small Cell Lung Carcinoma (NscLc)</i> , 25(4) Annals of Oncology September 2014	X
Ex1070	World Health Organization, <i>International Nonproprietary Names for Pharmaceutical Substances (INN)</i> , 27(2) WHO Drug Information (2013)	X
EX1071	Roth, <i>Frameshift Mutations</i> , 8 Annual Review of Genetics 319 (1974)	X
EX1072	Excerpt from Julien Taieb Citations, Google Scholar, available at https://scholar.google.ca/citations?user=niwd5qgAAAAJ&hl=en (accessed 8/25/23)	X

EX1073	Excerpt from Alexander Eggermount Citations, Google Scholar, available at https://scholar.google.com/citations?user=NWWkhzoAAAJ&hl=en (accessed 8/25/23)	X
EX1074	Excerpt from Jean-Charles Soria Citations, Google Scholar, available at https://scholar.google.com/citations?user=wyFxnccAAAJ (accessed 8/25/23)	X
EX1075	Henry Lynch, Research.com, available at https://research.com/u/henry-t-lynch (accessed 8/25/23)	X
EX1076	Excerpt from Daniel Van Hoff Citations, Google Scholar, available at https://scholar.google.com/citations?user=-NTa4oUAAAAAJ&hl=en (accessed 8/25/23)	X
EX1077	Excerpt from Robert A. Holt, Google Scholar, available at https://scholar.google.com/citations?user=CXPli08AAAJ&hl=en (accessed 11/27/23)	X
EX1078	Young et al, <i>Treatment of Advanced Disease</i> , 321 British Medical J. 1278 (2000)	X
EX1079	Le et al, <i>Phase 2 Study of Programmed Death-1 Antibody (Anti-PD-1, MK-3475) in Patients with Microsatellite Unstable (MSI) Tumors</i> , 32 (15) J. Clinical Oncology (May 2014)	X
EX1080	Poster presented at ASCO, Le et al, <i>Phase 2 Study of Programmed Death-1 Antibody (Anti-PD-1, MK-3475) in Patients with Microsatellite Unstable (MSI) Tumors</i> (Jun. 1, 2014)	X
EX1081	Excerpt from Shuji Ogino, Google Scholar, available at https://scholar.google.com/citations?user=87TPyfoAAAJ&hl=en (accessed 8/25/23)	X

EX1082	Charles Fuchs, Research.com, available at https://research.com/u/charles-s-fuchs (accessed 8/25/23)	X
EX1083	Excerpt from Jerome Galon Citations, Google Scholar, available at https://scholar.google.com/citations?user=coRgZqUAAAJ&hl=fr (accessed 8/25/23)	X
EX1084	Press Release, <i>Caris Life Sciences Research Provides Key Clinical Insights on Immunotherapeutic Targets in a Broad Range of Cancers</i> (June 10, 2014), available at https://www.carislifesciences.com/about/news-and-media/caris-life-sciences-research-provides-key-clinical-insights-on-immunotherapeutic-targets-in-a-broad-range-of-cancers/?gad_source=1&gclid=EAIaIQobChMIzba8u6LlggMVGIbHAR1ZPAHNEAAYASAAEgIaFvD_BwE	X
EX1085	Imai et al, <i>Carcinogenesis and Microsatellite Instability: the Interrelationship Between Genetics and Epigenetics</i> , 29(4) <i>Carcinogenesis</i> 673 (2008)	X
EX1086	Cheung et al, <i>Current Advance in Small Bowel Tumors</i> , 44(1) <i>Clinical Endoscopy</i> 13 (2011)	X
EX1087	Duval et al, <i>The Mutator Pathway is a Feature of Immunodeficiency-Related Lymphomas</i> , 101(14) <i>Proceedings of the National Academy of Sciences</i> 5002 (2004)	X
EX1088	National Comprehensive Cancer Network, NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) Esophageal and Esophagogastric Junction Cancers Version 1.2014 (May 30, 2014)	X
EX1089	National Comprehensive Cancer Network, NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) Uterine Neoplasms Version 1.2014 (November 27, 2013)	X

EX1090	Garg et al, <i>Lynch Syndrome (Hereditary Non-Polyposis Colorectal Cancer) and Endometrial Carcinoma</i> , 16(1) Cancer Control 14 (2009)	X
EX1091-1099	Reserved	
EX1100	<i>Merck Sharp & Dohme LLC v. The Johns Hopkins University</i> , 1:22-cv-03059-BPG, ECF 127, Stay Order (Filed 6/29/2024)	X
EX1101	<i>Merck Sharp & Dohme LLC v. The Johns Hopkins University</i> , 1:22-cv-03059-BPG, ECF 126, Memorandum Opinion (Filed 6/29/2024)	X
EX1102	Benson et al, <i>Colon Cancer, Version 3.2014: Clinical Practice Guidelines in Oncology</i> , 12(7) J. Nat'l Comprehensive Cancer Network 1028 (July 2014)	Not Filed
EX1103	Brown et al, <i>Neo-Antigens Predicted by Tumor Genome Meta-Analysis Correlate with Increased Patient Survival</i> , 24(5) Genome Research 743 (May 2014)	Not Filed
EX1104	Chapelle et al, <i>Clinical Relevance of Microsatellite Instability in Colorectal Cancer</i> , 28(20) J. Clinical Oncology 3380 (2010)	Not Filed
EX1105	Duval et al, <i>The Mutator Pathway is a Feature of Immunodeficiency-Related Lymphomas</i> , 101(14) Proceedings of the National Academy of Sciences 5002 (2004)	Not Filed
EX1106	Hamid et al, <i>Safety and Tumor Responses with Lambrolizumab (Anti-PD-1) in Melanoma</i> , 369(2) New Eng. J. Medicine 134 (July 2013)	Not Filed
EX1107	Pernot et al, <i>Colorectal Cancer and Immunity: What We Know and Perspectives</i> , 20(14) World J. Gastroenterology 3738 (April 2014)	Not Filed

EX1108-1111	Reserved	
EX1112	Declaration of Jessica Stauring in Support of Motion for Pro Hac Vice	X
EX1113	Biography Page of Jennifer D. Newberger, Hyman, Phels & MacNamara , P.C. https://hpm.com/professionals/newberger-jennifer/ (last accessed December 10, 2024)	
EX1114	Hyman Phelps, FDA Law Blog, FDA Crack Down on ClinicalTrials.gov Reporting Failures https://www.thefdalawblog.com/2021/05/fda-cracks-down-on-clinicaltrials-gov-reporting-failures/ (last accessed December 10, 2024)	
EX1115	Ciombor, Wu, Goldberg, Recent Therapeutic Advances in the Treatment of Colorectal Cancer (Annu. Rev. Med. 2015)	
EX1116	[HIGHLY CONFIDENTIAL ATTORNEY EYES ONLY – PROTECTIVE ORDER MATERIAL] May 9, 2013 IND Submission to the FDA, SN00	
EX1117	Public Version of MSI-H Study Protocol in NEJM Article Le DT, Uram JN, Wang H, et al. PD-1 blockade in tumors with mismatch-repair deficiency. N Engl J Med 2015;372:2509-20. DOI: 10.1056/NEJMoal500596	
EX1118	[HIGHLY CONFIDENTIAL ATTORNEY EYES ONLY – PROTECTIVE ORDER MATERIAL] June 11, 2013 IND Submission to the FDA, SN01	
EX1119	[HIGHLY CONFIDENTIAL ATTORNEY EYES ONLY – PROTECTIVE ORDER MATERIAL] July 15, 2013 IND Submission to the FDA, SN03	

EX1120	FDA grants nivolumab accelerated approval for MSI-H or dMMR colorectal cancer (https://www.fda.gov/drugs/resources-information-approved-drugs/fda-grants-nivolumab-accelerated-approval-msi-h-or-dmmr-colorectal-cancer)	
EX1121	RESERVED	
EX1122	Overman, M, Nivolumab in patients with metastatic DNA mismatch repair deficient/microsatellite instability–high colorectal cancer (CheckMate 142): results of an open-label, multicentre, phase 2 study, Lancet Oncol. 2017 September; 18(9): 1182–1191	
EX1123-1127	RESERVED	
EX1128	CDER 2012-2023 https://www.fda.gov/drugs/ind-activity/breakthrough-therapy-designation-requests (last accessed January 8, 2025)	
EX1129	CDER 2023-2024 https://www.fda.gov/drugs/ind-activity/breakthrough-therapy-designation-requests (last accessed January 8, 2025)	
EX1130	CDER Breakthrough Therapy Designation Approvals, https://www.fda.gov/media/95302/download (last accessed January 8, 2025)	
EX1131-1133	RESERVED	
EX1134	Keytruda Labeling (12.11.2024)	
EX1135	Deposition Transcript of Jennifer Newberger, taken on December 11, 2024	

EX1136	Deposition Transcript of Richard Goldberg, taken on December 13, 2024	
EX1137	[HIGHLY CONFIDENTIAL ATTORNEY EYES ONLY – PROTECTIVE ORDER MATERIAL] Deposition Transcript of Brian J. Segers, taken on December 17, 2024	
EX1138	Deposition Transcript of Nils Lonberg, taken on December 20, 2024	
EX1139	Deposition Transcript of Dung Thi Le, M.D., taken on January 9, 2025	
EX1140	Deposition Transcript of Andrew Pardoll, M.D., taken on January 24, 2025	
EX1141	Paul E. Oberstein, M.D., CV	
EX1142-1144	Reserved	
EX1145	Declaration of Dr. Dung Le, marked up during January 9, 2025 deposition	
EX1146	Dr. Dung Le's notes regarding Keytruda's approvals relating to the PD-L1 biomarker made during January 9, 2025 deposition	
EX1147	Excerpt of 16/144549 - Application	
EX1148	ClinicalTrials.gov, NCT02460198, “Study of Pembrolizumab (MK-3475) as Monotherapy in Participants With Previously-Treated Locally Advanced Unresectable or Metastatic Colorectal Cancer (MK-3475-164/KEYNOTE-164),” (May 29, 2015)	
EX1149	Excerpt '356 FH (Feb. 4, 2020 Reply to Office Action)	

EX1150	[HIGHLY CONFIDENTIAL ATTORNEY EYES ONLY – PROTECTIVE ORDER MATERIAL] Declaration of Paul E. Oberstein, M.D., dated May 1, 2025	
EX1151	[HIGHLY CONFIDENTIAL ATTORNEY EYES ONLY – PROTECTIVE ORDER MATERIAL] Declaration of Sean Sheridan, Ph.D., dated May 1, 2025	
EX1152	Jeddeo Paul et al., Overlapping and non-overlapping indications for checkpoint inhibitors in the US., JCO 42, 11057-11057 (2024)	
EX1153	“How does ZYNYZ work?”, ZYNZ, available at https://www.zynzhcp.com/mechanism-of-action (last accessed January 29, 2025)	
EX1154	“Jemperli (dostarlimab) receives US FDA Breakthrough Therapy Designation for locally advanced dMMR/MSI-H rectal cancer,” GSK, December 16, 2024 available at https://www.gsk.com/en-gb/media/press-releases/jemperli-dostarlimab-receives-us-fda-breakthrough-therapy-designation-for-locally-advanced-dmmrmsi-h-rectal-cancer/ (last accessed January 29, 2025)	
EX1155	“Boosting the body’s immune response against cancer,” Coherus, available at https://www.coherus.com/toripalimab-tpzi-pd-1/ (last accessed January 29, 2025)	

EX1156	“Merck’s KEYTRUDA® (pembrolizumab) Plus Chemotherapy Reduced Risk of Death by 27% Versus Chemotherapy as First-Line Treatment for Patients With Metastatic Triple-Negative Breast Cancer Whose Tumors Expressed PD-L1 (CPS ≥ 10)”, Merck, September 19, 2021 available at https://www.merck.com/news/mercks-keytruda-pembrolizumab-plus-chemotherapy-reduced-risk-of-death-by-27-versus-chemotherapy-as-first-line-treatment-for-patients-with-metastatic-triple-negative-breast-cancer-whos/ (last accessed January 29, 2025)	
EX1157	[HIGHLY CONFIDENTIAL ATTORNEY EYES ONLY – PROTECTIVE ORDER MATERIAL] Excerpt of Highly Confidential Attorney Eyes Only Document 12 - Protective Order Material	
EX1158	“Why Merck Is Betting Big on One Cancer Drug,” The Wall Street Journal, April 15, 2018, available at https://www.wsj.com/articles/why-merck-is-betting-big-on-one-cancer-drug-1523790000 (last accessed January 29, 2025)	
EX1159	BLA Accelerated Approval Letter, FDA, 3-14-2017	
EX1160	BLA Accelerated Approval Letter, FDA, 4-3-2023	
EX1161	BLA Accelerated Approval Letter, FDA, 5-5-2021	
EX1162	BLA Accelerated Approval Letter, FDA, 5-10-2017	
EX1163	BLA Accelerated Approval Letter, FDA, 5-18-2017	
EX1164	BLA Accelerated Approval Letter, FDA, 5-18-2017	
EX1165	BLA Accelerated Approval Letter, FDA, 5-23-2017	
EX1166	BLA Accelerated Approval Letter, FDA, 6-13-2018	
EX1167	BLA Accelerated Approval Letter, FDA, 6-16-2020	

EX1168	BLA Accelerated Approval Letter, FDA, 8-5-2016	
EX1169	BLA Accelerated Approval Letter, FDA, 9-4-2014	
EX1170	BLA Accelerated Approval Letter, FDA, 9-17-2019	
EX1171	BLA Accelerated Approval Letter, FDA, 10-2-2015	
EX1172	BLA Accelerated Approval Letter, FDA, 11-9-2018	
EX1173	BLA Accelerated Approval Letter, FDA, 11-13-2020	
EX1174	BLA Accelerated Approval Letter, FDA, 12-19-2018	
EX1175	BLA Supplement Approval Letter, FDA, 1-8-2020	
EX1176	BLA Supplement Approval Letter, FDA, 1-12-2024	
EX1177	BLA Supplement Approval Letter, FDA, 1-26-2023	
EX1178	BLA Supplement Approval Letter, FDA, 2-15-2019	
EX1179	BLA Supplement Approval Letter, FDA, 3-21-2022	
EX1180	BLA Supplement Approval Letter, FDA, 3-22-2021	
EX1181	BLA Supplement Approval Letter, FDA, 4-11-2019	
EX1182	BLA Supplement Approval Letter, FDA, 4-19-2019	
EX1183	BLA Supplement Approval Letter, FDA, 6-10-2019	
EX1184	BLA Supplement Approval Letter, FDA, 6-12-2018	
EX1185	BLA Supplement Approval Letter, FDA, 6-17-2024	
EX1186	BLA Supplement Approval Letter, FDA, 6-24-2020	
EX1187	BLA Supplement Approval Letter, FDA, 6-29-2020	
EX1187	BLA Supplement Approval Letter, FDA, 7-1-2021	
EX1188	BLA Supplement Approval Letter, FDA, 7-21-2021	

EX1189	BLA Supplement Approval Letter, FDA, 7-26-2021	
EX1190	BLA Supplement Approval Letter, FDA, 7-30-2019	
EX1191	BLA Supplement Approval Letter, FDA, 8-10-2019	
EX1192	BLA Supplement Approval Letter, FDA, 8-20-2018	
EX1193	BLA Supplement Approval Letter, FDA, 9-17-2024	
EX1194	BLA Supplement Approval Letter, FDA, 10-13-2021	
EX1195	BLA Supplement Approval Letter, FDA, 10-14-2020	
EX1196	BLA Supplement Approval Letter, FDA, 10-16-2023	
EX1197	BLA Supplement Approval Letter, FDA, 10-21-2023	
EX1198	BLA Supplement Approval Letter, FDA, 10-24-2016	
EX1199	BLA Supplement Approval Letter, FDA, 10-30-2018	
EX1200	BLA Supplement Approval Letter, FDA, 11-16-2023	
EX1201	BLA Supplement Approval Letter, FDA, 11-17-2021	
EX1202	BLA Supplement Approval Letter, FDA, 12-3-2021	
EX1203	BLA Supplement Approval Letter, FDA, 12-15-2023	
EX1204	BLA Supplement Approval Letter, FDA, 6-24-2020	
EX1205	BLA Supplement Approval Letter, FDA, 12-18-2015	
EX1206	Off-Label Drug Use in Cancer Treatment, National Cancer Institute, available at https://www.cancer.gov/about-cancer/treatment/drugs/off-label (last accessed January 29, 2025)	

EX1207	Going Off-Label, Cancer Today Mag., 2017, available at https://www.cancertodaymag.org/summer2017/going-off-label-targeted-therapy-immunotherapy/ (last accessed January 29, 2025)	
EX1208-1212	Reserved	
EX1213	Merck U.S. patent rights for products, Merck, available at https://www.merck.com/products/patent/ (last accessed January 29, 2025)	
EX1214	U.S. Patent No. 8,900,587	
EX1215	U.S. Patent No. 9,834,605	
EX1216	U.S. Patent No. 11,117,961	
EX1217	U.S. Patent No. 9,220,776	
EX1218	Edited Transcript, MRK - Q3 2014 Merck & Co Inc Earnings Call dated October 27, 2014	
EX1219	Merck 10-Q filing for the quarterly period ended September 30, 2014	
EX1220	Success Multiplied: Launch Excellence for Multi-Indication Assets, IQVIA (2023)	
EX1221	“KEYTRUDA (pembrolizumab) from Merck Awarded Prix Galien USA 2015 Best Biotechnology Product Award,” Merck, October 28, 2015, available at https://www.merck.com/news/keytruda-pembrolizumab-from-merck-awarded-prix-galien-usa-2015-best-biotechnology-product-award/ (last accessed January 29, 2025)	
EX1222	In the Eye of the Storm: PD-(L)1 Inhibitors Weathering Turbulence,” IQVIA Whitepaper (2022)	

EX1223	“Keytruda wins second place in the race to approval for neo-adjuvant NSCLC,” Clinical Trials Arena, October 23, 2023, available at https://www.clinicaltrialsarena.com/analyst-comment/keytruda-approval-nsclc/?cf-view (last accessed January 29, 2025)	
EX1224	“Merck & Co., Roche, and BMS Among Leading Players in the Non-Small Cell Lung Cancer Drugs Market,” Global Data, July 20, 2022, available at https://www.globenewswire.com/news-release/2022/07/20/2482864/0/en/Merck-Co-Roche-and-BMS-Among-Leading-Players-in-the-Non-Small-Cell-Lung-Cancer-Drugs-Market-GlobalData-Plc.html (last accessed January 29, 2025)	
EX1225	Summary of “PD-1 Non-Small Cell Lung Cancer Market Insight,” Delve Insight, available at https://www.delveinsight.com/report-store/pd-1-non-small-cell-lung-cancer-market (last accessed January 29, 2025)	
EX1226	Opdivo Package Insert, available at https://packageinserts.bms.com/pi/pi_opdivo.pdf (last accessed January 29, 2025)	
EX1227	“Cancer Stat Facts: Colorectal Cancer,” National Cancer Institute, available at https://seer.cancer.gov/statfacts/html/colorect.html (last accessed January 29, 2025)	
EX1228	“Cancer Stat Facts: Colorectal Cancer,” National Cancer Institute, archived October 28, 2023, available at https://web.archive.org/web/20231028215159/https://seer.cancer.gov/statfacts/html/colorect.html (last accessed January 29, 2025)	

EX1229	“Cancer Stat Facts: Colorectal Cancer,” National Cancer Institute, archived March 17, 2023, available at https://web.archive.org/web/20230317191901/https://seer.cancer.gov/statfacts/html/colorect.html (last accessed January 29, 2025)	
EX1230	“Cancer Stat Facts: Colorectal Cancer,” National Cancer Institute, archived March 8, 2022, available at https://web.archive.org/web/20220308124217/https://seer.cancer.gov/statfacts/html/colorect.html (last accessed January 29, 2025)	
EX1231	“Cancer Stat Facts: Colorectal Cancer,” National Cancer Institute, archived March 18, 2021, available at https://web.archive.org/web/20210318013225/https://seer.cancer.gov/statfacts/html/colorect.html (last accessed January 29, 2025)	
EX1232-1237	Reserved	
EX1238	U.S. Patent No. 8,354,509	
EX1239-1241	Reserved	
EX1242	Deposition Transcript of Jennifer Newberger, taken on April 10, 2025	
EX1243	Deposition Transcript of Richard M. Goldberg, taken on April 15, 2025	
EX1244	[HIGHLY CONFIDENTIAL ATTORNEY EYES ONLY – PROTECTIVE ORDER MATERIAL] Deposition Transcript of Brian J. Segers, taken on April 21, 2025	

EX1245	[HIGHLY CONFIDENTIAL ATTORNEY EYES ONLY – PROTECTIVE ORDER MATERIAL] Deposition Transcript of Nils Lonberg, taken on April 17, 2025	
EX1246	Deposition Transcript of Dung Thi Le, M.D., taken on April 18, 2025	
EX1247	Reserved	
EX1248	Reserved	
EX1249	“FDA Converts to Full Approval Indication for KEYTRUDA® (pembrolizumab) for Certain Adult and Pediatric Patients With Advanced Microsatellite Instability-High (MSI-H) or Mismatch Repair Deficient (dMMR) Solid Tumors” (March 29, 2023) (https://www.merck.com/news/fda-converts-to-full-approval-indication-for-keytruda-pembrolizumab-for-certain-adult-and-pediatric-patients-with-advanced-microsatellite-instability-high-msi-h-or-mismatch-repair-deficient/)	
EX1250	NCCN Clinical Practice Guidelines in Oncology - Uterine Neoplasms (Version 3.2025-March 7, 2025), available at www.nccn.org/patients	
EX1251	NCCN Clinical Practice Guidelines in Oncology - Small Bowel Adenocarcinoma (Version 3.2025-March 31, 2025), available at www.nccn.org/patients	
EX1252	NCCN Clinical Practice Guidelines in Oncology - Gastric Cancer (Version 2.2025-April 4, 2025), available at www.nccn.org/patients	
EX1253	NCCN Clinical Practice Guidelines in Oncology - Biliary Tract Cancers (Version 1.2025-March 20, 2025), available at www.nccn.org/patients	

EX1254	NCCN Clinical Practice Guidelines in Oncology - Breast Cancer (Version 3.2025-March 20, 2025), available at www.nccn.org/patients	
EX1255	NCCN Clinical Practice Guidelines in Oncology - Esophageal & Esophagogastric Junction Cancers (Version 2.2025-March 25, 2025), available at www.nccn.org/patients	
EX1256	NCCN Clinical Practice Guidelines in Oncology - Prostate Cancer (Version 1.2025-December 4, 2025), available at www.nccn.org/patients	
EX1257	NCCN Clinical Practice Guidelines in Oncology - Pancreatic Adenocarcinoma (Version 2.2025-February 3, 2025), available at www.nccn.org/patients	
EX1258	NCCN Clinical Practice Guidelines in Oncology - Vulvar Cancer (Version 1.2025-February 10, 2025), available at www.nccn.org/patients	
EX1259	NCCN Clinical Practice Guidelines in Oncology - Hepatocellular Carcinoma (Version 1.2025-March 20, 2025), available at www.nccn.org/patients	
EX1260	NCCN Clinical Practice Guidelines in Oncology - Vaginal Cancer (Version 5.2025-February 28, 2025), available at www.nccn.org/patients	
EX1261	Keytruda Label	
EX1262	“FDA grants nivolumab accelerated approval for MSI-H or dMMR colorectal cancer” (https://www.fda.gov/drugs/resources-information-approved-drugs/fda-grants-nivolumab-accelerated-approval-msi-h-or-dmmr-colorectal-cancer)	

EX1263	<p>“FDA Grants Accelerated Approval to Ipilimumab for MSI-H or dMMR Metastatic Colorectal Cancer”</p> <p>(https://www.fda.gov/drugs/resources-information-approved-drugs/fda-grants-accelerated-approval-ipilimumab-msi-h-or-dmmr-metastatic-colorectal-cancer)</p>	
EX1264	Yervoy Label	
EX1265	Opdivo Label	
EX1266	<p>“GSK - GSK Receives FDA Accelerated Approval for JEMPERLI dostarlimab-gxly for Adult Patients with dMM”</p> <p>(https://www.gsk.com/en-gb/media/press-releases/gsk-receives-fda-accelerated-approval-for-jemperli-dostarlimab-gxly-for-adult-patients-with-mismatch-repair-deficient-dmmr-recurrent-or-advanced-solid-tumours/)</p>	
EX1267	Jemperli Label	
EX1268	FDA Approves Pembrolizumab for Adults and Children with TMB-H Solid Tumors, available at	
EX1269-1271	Reserved	
EX1272	<p>“FDA Approves Durvalumab with Chemotherapy for Mismatch Repair Deficient Primary Advanced or Recurrent Endometrial Cancer”</p> <p>(https://www.fda.gov/drugs/resources-information-approved-drugs/fda-approves-durvalumab-chemotherapy-mismatch-repair-deficient-primary-advanced-or-recurrent)</p>	

EX1273	<p>“FDA Grants Accelerated Approval to Dostarlimab-gxly for dMMR Advanced Solid Tumors”</p> <p>(https://www.fda.gov/drugs/resources-information-approved-drugs/fda-grants-accelerated-approval-dostarlimab-gxly-dmmr-endometrial-cancer)</p>	
EX1274	<p>“FDA Grants Accelerated Approval for GSKs JEMPERLI Dostarlimab-gxly for Women With Recurrent or Advanced dMMR Endometrial Cancer”</p> <p>(https://www.gsk.com/en-gb/media/press-releases/fda-grants-accelerated-approval-for-gsk-s-jemperli-dostarlimab-gxly-for-women-with-recurrent-or-advanced-dmmr-endometrial-cancer/)</p>	
EX1275	NCCN Clinical Practice Guidelines in Oncology - Colon Cancer (Version 3.2025-April 24, 2025), available at www.nccn.org/patients	
EX1276	NCCN Clinical Practice Guidelines in Oncology - Occult Primary (Version 2.2025-September 11, 2024), available at www.nccn.org/patients	
EX1277	NCCN Clinical Practice Guidelines in Oncology - Ovarian Cancer (Version 1.2025-March 5, 2025), available at www.nccn.org/patients	
EX1278	NCCN Clinical Practice Guidelines in Oncology - Rectal Cancer (Version 2.2025-March 31, 2025), available at www.nccn.org/patients	
EX1279	<p>June 29, 2020 first-line CRC approval (FDA approves pembrolizumab for first-line treatment of MSI-H/dMMR colorectal cancer FDA)</p> <p>https://www.fda.gov/drugs/drug-approvals-and-databases/fda-approves-pembrolizumab-first-line-treatment-msi-hdmmr-colorectal-cancer</p>	
EX1280	Declaration of Ms. Jennifer Newberger, in IPR2024-00240, Ex. 2137 (11,591,393)	

EX1281	Declaration of Ms. Jennifer Newberger, in IPR2024-00622, Ex. 2137 (10,934,356)	
EX1282	Declaration of Ms. Jennifer Newberger, in IPR2024-00623, Ex. 2137 (11,325,974)	

Respectfully submitted,

Dated: May 1, 2025

By: /Preston K. Ratliff II/
Preston K. Ratliff II (Reg. No. 43,034)
Counsel for Petitioner

CERTIFICATE OF SERVICE

I hereby certify that on May 1, 2025, I caused a true and correct copy of the foregoing Petitioner's Current List of Exhibits to be served by electronic mail on Patent Owner at the following correspondence address of record:

Nicholas Stephens
Grace J. Kim
Todd G. Miller
Matthew L. Chun
Frank Scherkenbach
Corrin Drakulich
Christina Brown-Marshall
Casey M. Kraning
Madelyn S. McCormick
Sarah E. Jack
Caroline Koonce
Fish & Richardson P.C

IPR52261-0009IP1@fr.com

By: /Preston K. Ratliff II/
Preston K. Ratliff II (Reg. No. 43,034)
Counsel for Petitioner