IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

GENOME & COMPANY, Petitioner,

 \mathbf{v}_{\bullet}

THE UNIVERSITY OF CHICAGO, Patent Owner.

Case No. PGR2019-00002 Patent No. 9,855,302

PATENT OWNER'S SECOND UPDATED EXHIBIT LIST



Exhibit	Description
2001	Kim et al., "Proteomic Analysis of Bifidobacterium longum subsp.
	infantis Reveals the Metabolic Insight on Consumption of Prebiotics
	and Host Glycans," 8(2) PLOS ONE e57535 (2013).
2002	Rodes et al., "Microencapsulated <i>Bifidobacterium longum</i> subsp.
	infantis ATCC 15697 Favorably Modulates Gut Microbiota and
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	Int'l 602832 (2014).
2003	Garrido et al., "Utilization of galatooligosaccarides by
	Bifidobacterium longum subsp. infantis isolates," 33 Food
	Microbiol. 262-70 (2013).
2004	Ménard et al., "Gnotobiotic Mouse Immune Response Induced by
	Bifidobacterium sp. Strains Isolated from Infants," 74(3) Appl.
	Environ. Microbiol. 660-66 (2008).
2005	Sivan et al., "Commensal Bifodobacterium promotes antitumor
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	(2015).
2006	Scopus citation overview for Sivan et al., 350 Science 1084-89 (2015).
2007	Declaration of Sridhar Mani, M.D.
2008	Zou & Chen, Inhibitory B7-family molecules in the tumour
	microenvironment, Nature Reviews Immunology 8:467–477 (2008).
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	anti-KIR receptor therapeutic antibody that augments natural killer-
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	Mice, Clin. Res. Toxicol. 27:656-662 (2014).
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	activity of natural killer cells as monotherapy and in combination with
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	Study of IMP321, a Novel MHC Class II Agonist, in Patients with
	Advanced Renal Cell Carcinoma, Clin. Cancer Res. 15:6225–6231
	(2009).



2014	Le Mercier et al., VISTA Regulates the Development of Protective
2014	Antitumor Immunity, Cancer Res. 74:1933–1944 (2014).
2015	Sakuishi et al., Targeting Tim-3 and PD-1 pathways to reverse T cell exhaustion and restore anti-tumor immunity, <i>J. Exp. Med.</i> 207: 2187–2194 (2010).
2016	Beavis et al., Blockade of A _{2A} receptors potently suppresses the metastasis of CD73 ⁺ tumors, <i>PNAS</i> 110:14711-14716 (2013).
2017	Derré et al., BTLA mediates inhibition of tumor-specific CD8 ⁺ T cells that can be partially reversed by vaccination, <i>J. Clin. Investig.</i> 120(1):157–167 (2010)
2018	Loo et al., Development of an Fc-enhanced anti-B7-H3 monoclonal antibody with potent antitumor activity, <i>Clin. Cancer Res.</i> 18(14):3834–45 (2012).
2019	Curran et al., PD-1 and CTLA-4 combination blockade expands infiltrating T cells and reduces regulatory T and myeloid cells within B16 melanoma tumors, <i>PNAS</i> 107:4275–4280 (2010).
2020	Wolchok et al., Nivolumab plus Ipilimumab in Advanced Melanoma, <i>N. Engl. J. Med.</i> 369:122–133 (2013).
2021	Das et al., Combination therapy with anti-CTLA4 and anti-PD1 leads to distinct immunologic changes <i>in-vivo</i> , <i>J Immunol</i> . 194:950–959 (2015).
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2029	Alexandrov et al., Signatures of mutational processes in human cancer, <i>Nature</i> 500:415–421 (2013).
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2047	Supplemental Data Table S3 to Exhibit 1031 (D. T. Le et al., PD-1 Blockade in Tumors with Mismatch-Repair Deficiency, <i>N. Engl. J. Med.</i> (2015)).
2048	Antonia et al., Phase I/II study of nivolumab with or without ipilimumab for treatment of recurrent small cell lung cancer, (<i>SCLC</i>): CA2019-032 (Oral Abst. Presented May 30, 2015)
2049	Powles et al., MPDL3280A (anti-PD-L1) treatment leads to clinical activity in metastatic bladder cancer, <i>Nature</i> 515:558–562 (2014).
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