

IC	Issue Date	Reference No.	Patent No.	Technology Title
NCATS	6/2/2015	E-294-2009	9,044,451	Use Of Delta-tocopherol For The Treatment Of Lysosomal Storage Disorders (LSDs). LSDs Are A Group Of 40 To 50 Genetic Rare Diseases Caused By The Genetic Mutations Of A Number Of Lysosomal Enzymes And Proteins.
	7/5/2016	E-069-2014	9,382,229	COMPOUNDS AND METHODS OF USE THEREOF FOR TREATING NEURODEGENERATIVE DISORDERS
	11/15/2016	E-235-2010	9,492,439	Retinoic Acid Receptor-related Orphan Nuclear Receptor (ROR) Gamma Isoform T (RORvt) Modulator Compounds And Uses Thereof
	5/30/2017	E-148-2012	9,663,485	Tocopherol Analogues As Correctors Of Lysosomal Storage Disorders
	5/29/2018	E-019-2016	9,981,943	Antifungal Compound Process
	6/19/2018	E-022-2016	10,000,465	Antifungal Compound Process
	7/10/2018	E-023-2016	10,017,494	Antifungal Compound Process
	8/7/2018	E-294-2009	10,039,741	Use Of Delta-tocopherol For The Treatment Of Lysosomal Storage Disorders (LSDs). LSDs Are A Group Of 40 To 50 Genetic Rare Diseases Caused By The Genetic Mutations Of A Number Of Lysosomal Enzymes And Proteins.
	1/8/2019	E-021-2016	10,173,998	Antifungal Compound Process
	5/14/2019	E-088-2016	10,287,279	Inhibitors Of 12/15-Lipoxygenase
	7/16/2019	E-244-2014	10,351,532	Small Molecule Inhibitors Of Lactate Dehydrogenase
	8/6/2019	E-148-2012	10,370,348	Tocopherol Analogues As Correctors Of Lysosomal Storage Disorders
	8/27/2019	E-021-2016	10,392,365	Antifungal Compound Process
	9/3/2019	E-020-2016	10,399,943	Antifungal Compound Process
	9/10/2019	E-020-2016	10,407,392	Antifungal Compound Process
	9/24/2019	E-023-2016	10,421,741	Antifungal Compound Process
	10/1/2019	E-020-2016	10,428,025	Antifungal Compound Process
	12/17/2019	E-004-2016	10,508,106	Substituted Bicyclic Heteroaryl Inhibitors Of Bromodomain-containing Protein BRD4
	2/18/2020	E-235-2010	10,561,666	Retinoic Acid Receptor-related Orphan Nuclear Receptor (ROR) Gamma Isoform T (RORvt) Modulator Compounds And Uses Thereof
	6/9/2020	E-026-2016	10,676,475	Kinetin Derivatives
	7/7/2020	E-243-2014	10,703,746	Mutant IDH1 Inhibitors
	10/20/2020	E-229-2016	10,808,010	Potent And Selective Cyclic Peptide Inhibitors Of Phosphoglycerate Mutase As Anti-infective Agents
	11/17/2020	E-189-2016	10,836,759	Mutant IDH1 Inhibitors
	3/30/2021	E-244-2014	10,961,200	Small Molecule Inhibitors Of Lactate Dehydrogenase

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NCI	12/21/2004	E-009-1989	6,833,132	DNA ENCODING A GROWTH FACTOR SPECIFIC FOR EPITHELIAL CELLS (KGF)
	2/22/2005	E-172-1986	6,858,712	CLONING AND EXPRESSION OF HTLV-III DNA
	3/22/2005	E-001-1989	6,869,924	HUMAN MCAF (PURIFIED) FOR TREATING INFECTIONS AND NEOPLASMS, AND FULL LENGTH cDNA THEREOF
	5/17/2005	E-312-2001	6,893,841	Nucleic Acids of The Human ABCC11 Gene, Vectors Containing Such Nucleic Acids And Uses Thereof
	6/21/2005	E-200-2001	6,908,738	Agents that Bind To And Inhibit Human Cytochrome P450 2C19
	11/29/2005	E-079-1999	6,969,615	Method And Kits For Proteomic Analysis Identification
	4/11/2006	E-149-1995	7,026,291	An Epithelial Cell Specific Growth Factor, Keratinocyte Growth Factor (KGF) (as amended)
	7/4/2006	E-094-1994	7,070,972	JANUS FAMILY KINASES AND IDENTIFICATION OF IMMUNE MODULATORS (JAK-3)
	7/18/2006	E-290-2000	7,078,176	Detection And Quantification of Cripto-1
	8/22/2006	E-157-2000	7,094,408	Immunogenicity Using a Combination of DNA and Vaccinia Virus Vector Vaccines
	12/5/2006	E-177-2000	7,144,734	Enhanced Homologous Recombination Mediated By Lambda Recombination Proteins
	7/24/2007	E-124-2001	7,247,615	The Identification Of A Modified (Agonist) T-Cell Epitope Of The Human Prostate-Specific Antigen (PSA) That Can Enhance The...
	8/28/2007	E-200-2001	7,262,018	Agents that Bind To And Inhibit Human Cytochrome P450 2C19
	9/11/2007	E-085-2003	7,267,941	Cyanoviran Variant-Polymer Conjugates
	2/12/2008	E-091-2002	7,329,502	Zap70 Protein Expression in Chronic Lymphocytic Leukemia (CLL), Small Lymphocytic Lymphoma (SLL) and Likely Mantle Cell Lymphoma (MCL)...
	2/19/2008	E-317-2002	7,332,590	Molecular Characteristics of Non-Small Cell Lung Cancer
	4/8/2008	E-129-2001	7,355,012	Mutuated Anti-CD22 Antibodies with Increased Affinity To CD22 Expressing Leukemia Cells.
	9/2/2008	E-086-2001	7,419,957	Peptides Of A Melanoma Antigen And Their Use In Diagnostic, Prophylactic And Therapeutic Methods
	9/2/2008	E-236-2005	7,420,032	Identification Of A Dominant B Cell Epitope From NY-ESO-1: Implications For Antibody Detection Against Tumor-associated Antigens
	9/23/2008	E-099-1989	7,427,671	TYPE A PLATELET-DERIVED GROWTH FACTOR RECEPTOR (PDGFR) GENE

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	1/27/2009	E-230-2002	7,482,133	Catalytic Domains Of Beta (1,4)-Galactosyltransferase I Having Altered Donor And Acceptor Specificities Domains, That Promote In Vitro Protein Folding And Methods For Their Use
	2/10/2009	E-060-2000	7,488,710	SFRP And Peptide Motifs That Interact With SFRP And Methods Of Their Use
	4/21/2009	E-038-2003	7,521,242	Host Cells Deficient For Mismatch Repair And Their Use In Methods For Inducing Homologous Recombination Using Single-Stranded Nucleic Acids
	4/21/2009	E-146-1999	7,521,054	Reduction of the Nonspecific Animal Toxicity of Immunotoxin by Mutating the framework regions of the Fv to Lower the Isoelectric Point
	6/2/2009	E-116-2003	7,541,035	Immunogenic Peptides And Peptide Derivatives For Prostate And Breast Cancer Treatment
	6/16/2009	E-085-2003	7,547,509	Cyanoviran Variant-Polymer Conjugates
	11/3/2009	E-119-2007	7,611,702	TNF-ALPHA BLOCKER TREATMENT FOR ENTEROCOLITIS ASSOCIATED WITH IMMUNOSTIMULATORY THERAPEUTIC ANTIBODY THERAPY
	11/3/2009	E-302-2000	7,612,035	Inhibition of Mitogen-Activated Protein Kinase (MAPK) Pathway As Selective Therapeutic Strategy Against Melanomas
	12/29/2009	E-028-2007	7,638,134	Novel Insertion Sites In Pox Vectors
	3/9/2010	E-207-2004	7,674,621	Generation Of Plasmids With The Prophage Lambda Immunity Region, PL Promoter, And Red Genes For Transfer To Other Gram Negative Bacteria For The Purpose Of Recombineering In Those Organisms
	3/23/2010	E-200-2001	7,682,800	Agents that Bind To And Inhibit Human Cytochrome P450 2C19
	4/13/2010	E-113-2003	7,695,752	Direct Cell Target Analysis
	5/4/2010	E-108-2004	7,711,492	Custom Lymphoid Malignancy Diagnostic DNA Microarray - Oligo Probes And Lymphoma Survival Prediction Algorithm
	5/4/2010	E-113-2003	7,709,047	Direct Cell Target Analysis
	5/4/2010	E-317-2002	7,709,202	Molecular Characteristics of Non-Small Cell Lung Cancer
	5/18/2010	E-063-2003	7,718,196	Adoptive T Cell Therapy Using Rapamycin-Resistant, CD28 Co-Stimulated Th1/Th2 And Tc1/Tc2 Cells
	7/6/2010	E-086-2001	7,749,967	Peptides Of A Melanoma Antigen And Their Use In Diagnostic, Prophylactic And Therapeutic Methods
	8/10/2010	E-157-2000	7,771,729	Immunogenicity Using a Combination of DNA and Vaccinia Virus Vector Vaccines
	8/17/2010	E-129-2001	7,777,019	Mutated Anti-CD22 Antibodies with Increased Affinity To CD22 Expressing Leukemia Cells.

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	8/24/2010	E-352-2004	7,781,183	Small Molecule And A Pharmacophore Model For Inhibition Of Anthrax Lethal Factor
	9/7/2010	E-313-2005	7,790,182	A Method To Develop B-Cell Epitope Based Effective Vaccine Modalities For Smallpox For Both Immune-Competent And Immune-Compromised Individuals
	10/19/2010	E-172-1986	7,815,916	CLONING AND EXPRESSION OF HTLV-III DNA
	11/16/2010	E-267-2005	7,833,754	Optimization Of Expression Of Human Interleukin-12 (IL-12) For Vaccine And Immunotherapy
	11/23/2010	E-081-2004	7,838,305	Serum Autoantibody For Cancer Diagnostics
	11/23/2010	E-555-1985	7,838,216	HUMAN GENE RELATED TO BUT DISTINCT FROM EGF RECEPTOR GENE (erbB-2)
	2/8/2011	E-106-2003	7,884,178	Griffithsin, Sertulavirin And Related Proteins, Peptides, Conjugates, Antibodies, Compositions, Nucleic Acids, Vectors, Host Cells, Methods Of Production And Methods Of Using
	3/22/2011	E-104-2006	7,910,692	Cytotoxic T Lymphocyte Epitope(s) And Agonist Epitope(s) Of PAGE-4, A Novel Target For Vaccine Therapy
	3/29/2011	E-106-2004	7,915,036	A Method To Enable Normal Lymphocytes To Recognize And Destroy Melanoma Tumor Cells Expressing The MART-1 Tumor Antigen
	4/5/2011	E-013-2002	7,919,607	Humanized Anti-Tag 72 CC49 For Diagnosis And Therapy of Human Carcinoma
	5/17/2011	E-181-2006	7,943,318	Unique MicroRNA Molecular Profiles In Lung Cancer Diagnosis And Prognosis
	5/17/2011	E-236-2005	7,943,729	Identification Of A Dominant B Cell Epitope From NY-ESO-1: Implications For Antibody Detection Against Tumor-associated Antigens
	7/19/2011	E-046-2004	7,982,011	Improvements To BL22 Immunotoxin
	7/19/2011	E-091-2002	7,981,610	Zap70 Protein Expression in Chronic Lymphocytic Leukemia (CLL), Small Lymphocytic Lymphoma (SLL) and Likely Mantle Cell Lymphoma (MCL)...
	7/26/2011	E-132-2006	7,985,548	A Method For Improving The Therapeutic Efficacy Of Asparagine Synthetase
	8/2/2011	E-004-2005	7,988,971	Human Monoclonal Antibodies Against Hendra And Nipah
	8/16/2011	E-287-2004	7,999,077	IRTA2 ANTIBODIES AND METHODS OF USE
	8/16/2011	E-321-2003	7,999,071	A Human Cytolytic T Lymphocyte Epitope And Its Agonist Epitope From The Human Tumor-associated Antigen MUC-1
	8/16/2011	E-340-2004	7,998,736	Diagnostic Tool For Diagnosing Benign Versus Malignant Thyroid Lesions

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	8/30/2011	E-160-2006	8,008,316	Derivatives Of 2-[2-aminoethyl]-2-methyl-ethyl]-1,2-dihydro-6-methoxy-3H-di-benz-[de,h]isoquinoline-1,3-dione As Targeted Antitumor Agents
	9/6/2011	E-042-2006	8,012,683	Variants In Complement Regulatory Genes Predict Age-related Macular Degeneration
	10/11/2011	E-275-2002	8,034,334	Immunotherapy With In Vitro-Selected Antigen-Specific Lymphocytes After Nonmyeloablative Lymphodepleting Chemotherapy
	10/18/2011	E-003-2006	8,039,593	Recombinant Immunotoxin Isolated By Antibody Phage Display And Invitro Affinity Maturation Target Human Glycoprotein NMB (GPNMB) And Exhibit Anti-glioma, Anti-melanoma, Or Any Other GPNMB-expressing Tumor Cytotoxic Activity
	10/25/2011	E-116-2003	8,043,623	Immunogenic Peptides And Peptide Derivatives For Prostate And Breast Cancer Treatment
	11/8/2011	E-296-2008	8,053,422	Use Of Suppressive Oligonucleotides To Reduce Host Susceptibility To Cancer
	11/29/2011	E-180-2005	8,067,530	Scytovirin Domain 1 (SD1), An Antiviral Protein
	12/13/2011	E-063-2003	8,075,921	Adoptive T Cell Therapy Using Rapamycin-Resistant, CD28 Co-Stimulated Th1/Th2 And Tc1/Tc2 Cells
	1/3/2012	E-025-2006	8,088,729	Antiviral Activity Of Griffithsin Against SARS And HCV
	1/3/2012	E-304-2006	8,088,379	Identification Of T Cell Receptors (TCR) With Altered Amino Acid Sequences That Enhance The Function Of Gene Modified T Cells
	2/7/2012	E-018-2005	8,110,352	Methods For Treating Beta-Catenin Splice Variant Related Cancers
	3/6/2012	E-108-2004	8,131,475	A CUSTOM DNA MICROARRAY FOR MOLECULAR DIAGNOSIS AND PROGNOSIS IN HUMAN LYMPHOID MALIGNANCIES
	3/13/2012	E-286-2006	8,133,859	UGRP1/SCGB3A2 Is A Novel Growth Factor And Anti-apoptotic Agent
	4/3/2012	E-244-2005	8,148,302	Protein Microarrays On Demand
	5/1/2012	E-039-2003	8,168,568	Individualized Therapy Using Interdependent Protein Signal Network
	5/29/2012	E-074-2007	8,188,214	The Use Of Human T-box Transcription Factor Brachyury As A Target For Cancer Immunotherapy And The Identification Of Epitopes Of Human Brachyury As Targets For Tcell Mediated Lysis Of Tumors
	7/10/2012	E-059-2007	8,216,565	Identification And Characterization Of A Mouse T Cell Receptor Recognizing HLA-A*0201 Restricted Human Melanoma Antigen Gp100154-162
	7/10/2012	E-104-2007	8,217,222	Methods For Identifying Markers For Early-stage Human Cancer, Cancer Progression And Recurrence

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	7/17/2012	E-182-2008	8,222,225	Use Of Suppressive Oligonucleotides To Prevent/treat Silicosis And Asbestosis
	7/24/2012	E-174-2008	8,227,443	Therapeutic Targeting Of CSN5, A Negative Regulator Of P53 And P27, In Human Hepatocellular Carcinoma
	7/24/2012	E-185-2008	8,227,417	High-Mobility Group N1 Protein (HMGN1) Is An Immune Enhancer
	8/7/2012	E-227-2006	8,236,313	Regulating Blood Pressure Through Targeting Thrombospondin-I And CD47
	8/28/2012	E-086-2001	8,252,545	Peptides Of A Melanoma Antigen And Their Use In Diagnostic, Prophylactic And Therapeutic Methods
	10/16/2012	E-275-2002	8,287,857	Immunotherapy With In Vitro-Selected Antigen-Specific Lymphocytes After Nonmyeloablative Lymphodepleting Chemotherapy
	11/20/2012	E-004-2005	8,313,746	Human Monoclonal Antibodies Against Hendra And Nipah
	12/18/2012	E-060-2000	8,334,260	SFRP And Peptide Motifs That Interact With SFRP And Methods Of Their Use
	1/8/2013	E-233-2004	8,349,586	Live Microbial Microbicides
	1/22/2013	E-079-2008	8,357,783	Human Monoclonal Antibody Against Mesothelin
	2/26/2013	E-273-2009	8,383,099	CD8+ Selected Young TIL For Adoptive Cell Therapy
	3/12/2013	E-106-2003	8,394,764	Griffithsin, Sertulavirin And Related Proteins, Peptides, Conjugates, Antibodies, Compositions, Nucleic Acids, Vectors, Host Cells, Methods Of Production And Methods Of Using
	3/12/2013	E-186-2007	8,394,411	Papilloma Pseudovirus For Detection And Therapy Of Tumors
	3/26/2013	E-103-2005	8,404,244	Papillomavirus L2 N-terminal Peptides For The Induction Of Broadly Cross-neutralizing Antibodies
	4/9/2013	E-123-2008	8,415,456	Asparagine Substitution To Prevent Deamidation Of IL-15
	4/16/2013	E-244-2004	8,420,776	Binding Site For The Ubiquitin Conjugating Enzyme Ube2G2 Within The Ubiquitin Ligase Gp78. Over-expression Of This Region Confers An Inhibitory Effect On Endoplasmic Reticulum (ER)-Associated Degradation (EGAD)
	4/16/2013	E-250-2007	8,420,620	Discovery Of A New Class Of Inhibitors That Promote The Internalization Of Specific Surface Receptors
	5/14/2013	E-285-2006	8,440,411	Organ And Tumor Associated Endothelial Markers
	5/21/2013	E-003-2006	8,445,216	Recombinant Immunotoxin Isolated By Antibody Phage Display And Invitro Affinity Maturation Target Human Glycoprotein NMB (GPNMB) And Exhibit Anti-gloima, Anti-melanoma, Or Any Other GPNMB-expressing Tumor Cytotoxic Activity
	6/11/2013	E-091-2009	8,460,660	Human Monoclonal Antibody Variable Fragments (Fvs) To Mesothelin

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	6/11/2013	E-113-2003	8,460,744	Direct Cell Target Analysis
	6/18/2013	E-215-2007	8,465,917	MicroRNA-181 Family Members Are Involved In The Function Of Liver Cancer Stem Cells Through Beta-catenin Signaling Activation
	6/18/2013	E-328-2001	8,466,116	Use Of CpG Oligodeoxynucleotides To Induce Epithelial Cell Growth
	7/9/2013	E-180-2005	8,481,255	Scytovirin Domain 1 (SD1), An Antiviral Protein
	8/6/2013	E-166-2007	8,501,912	Discovery Of And Use Of Fragments Of DOC1 As Antiangiogenic And Antitumor Therapy
	8/6/2013	E-286-2006	8,501,688	UGRP1/SCGB3A2 Is A Novel Growth Factor And Anti-apoptotic Agent
	9/3/2013	E-071-2009	8,524,248	Production And Use Of Merkel Cell Carcinoma Polyomavirus-Like Particles And Reports Vectors
	9/3/2013	E-205-2010	8,524,239	Devices For Treating Blood Borne Cancers With Light Therapy Based On Photo Immunotherapy
	9/24/2013	E-207-2004	8,541,229	Generation Of Plasmids With The Prophage Lamba Immunity Region, PL Promoter, And Red Genes For Transfer To Other Gram Negative Bacteria For The Purpose Of Recombineering In Those Organisms
	10/1/2013	E-191-2009	8,546,091	Akt-Ser473 Phosphorylation And Taxane-Based Chemotherapy
	10/15/2013	E-170-2009	8,556,882	Methods Of Preparing Lymphocytes That Express Interleukin-12 And Their Use In The Treatment Of Cancer
	10/15/2013	E-227-2006	8,557,788	Regulating Blood Pressure Through Targeting Thrombospondin-I And CD47
	11/5/2013	E-033-2008	8,575,121	Diagnostic And Therapeutic Applications Of A P53 Isoform In Regenerative Medicine, Aging And Cancer
	11/12/2013	E-003-2007	8,580,927	Engineered CH2 Domain Antibodies (nanoCbodies)
	11/19/2013	E-103-2007	8,586,055	Surprising Efficiency And Improved Immune Responses Upon Therapeutic Vaccination Using Optimized DNA Vaccine Vectors, Electrophoration And Optimized IL15/IL15 Receptor Alpha DNA
	11/26/2013	E-080-2008	8,591,889	Human And Improved Murine Monoclonal Antibodies Against CD22
	12/3/2013	E-113-2003	8,597,715	Direct Cell Target Analysis
	12/24/2013	E-059-2007	8,613,932	Identification And Characterization Of A Mouse T Cell Receptor Recognizing HLA-A*0201 Restricted Human Melanoma Antigen Gp100154-162
	12/24/2013	E-074-2007	8,613,933	The Use Of Human T-box Transcription Factor Brachyury As A Target For Cancer Immunotherapy And The Identification Of Epitopes Of Human Brachyury As Targets For Tcell Mediated Lysis Of Tumors
	3/4/2014	E-243-2002	8,663,622	Recombinant Vaccinia Viruses Expressing IL-15



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	3/25/2014	E-281-2007	8,679,836	2D/3D Co-Culture Angiogenesis Assay Systems For Targeting Personalized Therapy In Cancer Patients
	3/25/2014	E-287-2003	8,680,056	A NOVEL ANTIPROLIFERATIVE FACTOR AND METHODS OF USE
	4/1/2014	E-266-2009	8,685,416	Development Of A Vaccine Composed Of CpG Oligonucleolides Conjugated To Apoptotic Tumor Cells To Treat Cancer.
	4/15/2014	E-296-2008	8,697,666	Use Of Suppressive Oligonucleotides To Reduce Host Susceptibility To Cancer
	5/6/2014	E-023-2009	8,715,928	Genomics-based Breast Cancer Diagnostic Assay
	5/6/2014	E-192-2008	8,715,964	Optimization Of Expression Of Multimeric Proteins
	5/6/2014	E-309-2005	8,716,021	Use Of Replicators To Prevent Gene Silencing Abstract Title: Use Of Replicators In Gene Therapy
	5/27/2014	E-024-2009	8,735,082	Molecular Prediction Of Survival Outcome Of Human Hepatocellular Carcinoma (HCC) Patients By A 'driver'-gene-signature.
	6/3/2014	E-215-2008	8,741,574	The Gene Expression Signature Of Genomic Instability In Breast Cancer Is An Independent Predictor Of Clinical Outcome
	6/10/2014	E-042-2009	8,748,390	A Human Cytolytic T Lymphocyte Epitope From The Human Tumor-associated Antigen NGEP (new Gene Expressed In Prostate)
	6/10/2014	E-091-2002	8,748,114	Zap70 Protein Expression in Chronic Lymphocytic Leukemia (CLL), Small Lymphocytic Lymphoma (SLL) and Likely Mantle Cell Lymphoma (MCL)...
	7/15/2014	E-159-2009	8,779,095	LAT2KR For Adoptive Immunotherapy
	7/22/2014	E-043-2009	8,785,601	Development Of A T-Cell Receptor Targeted To The Human Tyrosinase Tumor Antigen
	7/22/2014	E-172-1986	8,785,609	CLONING AND EXPRESSION OF HTLV-III DNA
	7/29/2014	E-317-2008	8,790,869	Identification Of Renal Carcinoma Biomarkers
	8/19/2014	E-129-2001	8,809,502	Mutuated Anti-CD22 Antibodies with Increased Affinity To CD22 Expressing Leukemia Cells.
	8/26/2014	E-158-2009	8,815,229	15kD Granulysin Causes Monocyte Activation And Differentiation And May Prove A Useful Adjuvant For Immunotherapy
	9/9/2014	E-286-2006	8,828,936	UGRP1/SCGB3A2 Is A Novel Growth Factor And Anti-apoptotic Agent
	9/9/2014	E-339-2004	8,828,717	A Variant Of Humanized Col-1 Antibody Rendered Less Immunogenic By Replacing, With Their Human Counterparts, Most Of The Murine Framework Residues That Were Presumed Crucial For Antigen Binding



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	9/16/2014	E-013-2002	8,835,167	Humanized Anti-Tag 72 CC49 For Diagnosis And Therapy of Human Carcinoma
	9/16/2014	E-034-2010	8,835,613	A New Type Of Glycolipid Antigen Stimulating NKT Cells To Induce Anti-tumor Immunity
	9/16/2014	E-039-2003	8,835,360	Individualized Therapy Using Interdependent Protein Signal Network
	9/16/2014	E-237-2006	8,835,115	Use Of ABCB1 Genotyping To Predict Peripheral Neuropathy And Neutropenia Following Paclitaxel Treatment In Human Cancer
	9/23/2014	E-230-2006	8,841,266	Pharmaceutical Composition And Method For Regulating Abnormal Cellular Proliferation
	10/7/2014	E-269-2003	8,852,861	Gene Expressing Profiling Predicts The Response Of Rectal Carcinomas To Radiochemotherapy
	10/14/2014	E-004-2005	8,858,938	Human Monoclonal Antibodies Against Hendra And Nipah
	10/14/2014	E-162-2009	8,859,207	Inhibitors Of FKBP52-Mediated Regulation Of Androgen Receptor Function
	10/14/2014	E-207-2004	8,859,277	Generation Of Plasmids With The Prophage Lamba Immunity Region, PL Promoter, And Red Genes For Transfer To Other Gram Negative Bacteria For The Purpose Of Recombineering In Those Organisms
	10/21/2014	E-227-2006	8,865,672	Regulating Blood Pressure Through Targeting Thrombospondin-I And CD47
	10/28/2014	E-003-2010	8,871,902	Modified POTE Peptide Vaccine Against Cancer Of The Prostate, Colon, Lung, Breast, Ovary And Pancreas
	10/28/2014	E-188-2010	8,871,206	Human Monoclonal Antibody Against Human Folate Receptor Beta
	10/28/2014	E-257-2009	8,871,191	Use Of IL-15 To Increase Thymic Output
	10/28/2014	E-292-2007	8,871,906	Immunotoxins With Deletions In Domain II That Removes Immunogenic Epitopes With Minimal Loss Of Cytotoxic Activity
	11/4/2014	E-163-2009	8,877,199	A Panel Of Fully Human Monoclonal Antibodies To The Same Epitope Of An Unknown Cell Surface Antigen Expressed In B-cell Lymphocytic Leukemia (B-CLL)
	12/2/2014	E-087-2005	8,901,093	Custom Vectors For Treating And Preventing Pancreatic Cancer
	12/9/2014	E-262-2005	8,907,060	Production Of Less Antigenic Forms Of Immunotoxins
	12/16/2014	E-103-2010	8,911,728	Bispecific Antibody Soluble Receptor FcFusion Proteins With Potent And Broad HIV-1 Neutralizing Activity
	1/6/2015	E-203-2004	8,926,987	Replication-Competent Adenovirus/HIV Recombinants With High Expression Of The Gene Insert As HIV Vaccines
	1/13/2015	E-088-2005	8,933,041	System For Treating And Preventing Breast Cancer

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	1/20/2015	E-269-2009	8,936,792	Development Of An Immunotoxin In Which All B-Cell Epitopes Have Been Removed And Which As High Cytotoxic Activity
	2/3/2015	E-179-2008	8,946,382	The Identification Of A Novel Amidated Peptide Derived From The N-terminus Of Apelin-36 That Stimulates Endothelial Cell And Tumor Growth At Nanomolar Concentrations
	2/10/2015	E-153-2008	8,951,527	Radioprotectants Targeting Thrombospondin-1 And CD47
	2/17/2015	E-058-2009	8,957,188	Generation And Application Of Antibodies That Bind GaLNac1-3Gal
	2/17/2015	E-321-2003	8,957,192	A Human Cytolytic T Lymphocyte Epitope And Its Agonist Epitope From The Human Tumor-associated Antigen MUC-1
	4/7/2015	E-186-2007	8,999,290	Papilloma Pseudovirus For Detection And Therapy Of Tumors
	4/28/2015	E-154-2006	9,018,011	Human Gamma-8 DNA Is A New Chromatin Insulator For The Persistant Expression Of Intregrated Transgenes
	5/26/2015	E-269-2011	9,040,248	A Living Cell Fluorescence Assay For Detection And Monitoring Of Endocrine Disrupting Chemicals In Water Sources
	6/2/2015	E-158-2010	9,044,457	Agonistic Human Monoclonal Antibody Against DR4
	6/23/2015	E-042-2006	9,063,139	Variants In Complement Regulatory Genes Predict Age-related Macular Degeneration
	6/30/2015	E-033-2008	9,068,165	Diagnostic And Therapeutic Applications Of A P53 Isoform In Regenerative Medicine, Aging And Cancer
	7/7/2015	E-106-2005	9,075,062	Detection Of Colorectal And Serum Protein Profiling
	7/7/2015	E-273-2009	9,074,185	CD8+ Selected Young TIL For Adoptive Cell Therapy
	7/21/2015	E-287-2003	9,085,604	A NOVEL ANTIPROLIFERATIVE FACTOR AND METHODS OF USE
	8/25/2015	E-003-2006	9,115,196	Recombinant Immunotoxin Isolated By Antibody Phage Display And Invitro Affinity Maturation Target Human Glycoprotein NMB (GPNMB) And Exhibit Anti-gloima, Anti-melanoma, Or Any Other GPNMB-expressing Tumor Cytotoxic Activity
	9/8/2015	E-304-2006	9,128,080	Identification Of T Cell Receptors (TCR) With Altered Amino Acid Sequences That Enhance The Function Of Gene Modified T Cells
	9/22/2015	E-128-2005	9,139,849	Human Artificial Chromosome With A Predetermined Sequence For Gene Delivery And Gene Targeting
	10/6/2015	E-026-2011	9,150,926	Diagnosis And Treatment Of Adrenocortical Tumors Using Human MicroRNA-483

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	10/6/2015	E-068-2011	9,150,644	Human Monoclonal Antibodies Cross-reacting To Insulin-like Growth Factor (IGF) I And II
	10/20/2015	E-294-2010	9,163,236	Allele Specific ShRNAs And SiRNAs For NanogP8
	10/27/2015	E-034-2010	9,168,291	A New Type Of Glycolipid Antigen Stimulating NKT Cells To Induce Anti-tumor Immunity
	11/3/2015	E-104-2006	9,175,057	Cytotoxic T Lymphocyte Epitope(s) And Agonist Epitope(s) Of PAGE-4, A Novel Target For Vaccine Therapy
	11/10/2015	E-023-2009	9,181,589	Genomics-based Breast Cancer Diagnostic Assay
	11/10/2015	E-024-2011	9,181,340	The Development Of L2, An Anti-TEM8 Antibody That Targets Pathological Angiogenesis
	11/10/2015	E-043-2008	9,181,327	Cross-reactive Neutralizing Human Domain Antibody Against HIV-1
	11/10/2015	E-132-2006	9,181,552	A Method For Improving The Therapeutic Efficacy Of Asparagine Synthetase
	11/10/2015	E-203-2011	9,181,193	Discovery Of Novel Inhibitors Of DNA Topoisomerase That Can Be Used For Studying Topoisomerase Functions And For The Treatment Of Human Cancers
	12/1/2015	E-056-2011	9,198,941	The Development And Use Of A Recombinant Brachyury Saccharomyces Cerevisiae (yeast) Vaccine For The Prevention And/or Therapy Of Human Cancer
	12/8/2015	E-130-2011	9,206,257	Human Single-domain Glypican-3 Monoclonal Antibody, HN3, Which Inhibits Hepatocellular Carcinoma Growth
	12/8/2015	E-263-2011	9,206,240	Identification And Removal Of Human-specific B-cell Epitopes Producing An Immunotoxin With Low Antigenicity And High Cytotoxic Activity
	12/22/2015	E-203-2004	9,216,214	Replication-Competent Adenovirus/HIV Recombinants With High Expression Of The Gene Insert As HIV Vaccines
	1/12/2016	E-162-2009	9,233,973	Inhibitors Of FKBP52-Mediated Regulation Of Androgen Receptor Function
	2/2/2016	E-076-2013	9,249,217	HUMAN BISPECIFIC T-CELL ENGAGER MOLECULES AND METHODS OF USE
	2/23/2016	E-148-2011	9,266,960	A Chimeric Antigen Receptor Targeting The Tumor Antigen EGFRvIII
	3/8/2016	E-048-2010	9,277,748	Improved Pepper Spray For Repellency And Incapacitation Of People And Animals
	3/8/2016	E-080-2008	9,279,019	Human And Improved Murine Monoclonal Antibodies Against CD22
	3/8/2016	E-166-2007	9,279,009	Discovery Of And Use Of Fragments Of DOC1 As Antiangiogenic And Antitumor Therapy
	3/29/2016	E-010-2008	9,296,790	Novel Protein Delivery System For Mammalian Cells

IC	Issue Date	Reference No.	Patent No.	Technology Title
	4/5/2016	E-254-2005	9,303,080	Optimization Of Expression Of Human Interleukin-15 (IL-15) And Improved DNA Vector Combinations Of IL-15 And IL-15 Receptor Alpha And Protein Combinations Of Same That Increase Cytokine Stability And Biological Function In Vivo And In Vitro
	4/12/2016	E-025-2011	9,309,322	Antibodies To Tumor Endothelial Marker 8
	4/12/2016	E-587-1984	9,309,574	Molecular Clones of the Genome of HTLV-III
	4/19/2016	E-097-2009	9,316,646	Chimeric Mouse/human Anti-human ROR1 MAb 2A2
	5/3/2016	E-172-1986	9,328,391	CLONING AND EXPRESSION OF HTLV-III DNA
	5/3/2016	E-256-2006	9,326,950	Self-assembling Nanoparticles Composed Of Transmembrane Peptides And Their Application For Specific Intra-tumor Delivery Of Anti-cancer Drugs
	5/3/2016	E-293-2010	9,328,142	Lipopeptide Inhibitors Of RAS Oncoprotein
	5/10/2016	E-153-2009	9,334,522	Inactivation Of Cbl-b Can Obviate The Requirement For CD28 Costimulation Of T Cells In Tumor Rejection
	5/24/2016	E-174-2011	9,346,859	Identification Of Epitopes In Domain 2 And 3 Of PE38 And Removal Of Epitopes In Domain 2 By Mutagenesis While Retaining Immunotoxin Activity
	5/24/2016	E-269-2010	9,345,748	Isolation And Analysis Of A Human TCR Recognizing Cancer Testis Antigen SSX2 And Use In Adaptive Immunotherapy
	6/7/2016	E-078-2012	9,359,447	A Chimeric Antigen Receptor Targeting The Tumor Antigen Mesothelin
	6/7/2016	E-158-2009	9,358,285	15kD Granulysin Causes Monocyte Activation And Differentiation And May Prove A Useful Adjuvant For Immunotherapy
	6/7/2016	E-205-2010	9,358,306	Photoimmunotherapy Enhanced Drug Therapy: Immediately Following Photoimmunotherapy The Delivery Of Therapeutic Drugs To The Treated Area S Markedly (~10 Fold) Increased Resulting In Increased Local Concentration Of Drug Without Systemic Side Effects
	6/7/2016	E-281-2012	9,359,418	Cell-permeable Inhibitor Of The T Cell Alternative P38 Activation Pathway
	6/21/2016	E-207-2004	9,371,532	Generation Of Plasmids With The Prophage Lamba Immunity Region, PL Promoter, And Red Genes For Transfer To Other Gram Negative Bacteria For The Purpose Of Recombineering In Those Organisms
	6/21/2016	E-321-2003	9,370,559	A Human Cytolytic T Lymphocyte Epitope And Its Agonist Epitope From The Human Tumor-associated Antigen MUC-1
	7/12/2016	E-094-2004	9,389,223	A Rapid Sensitive Flow Cytometry Assay Of Whole Blood For Pharmacodynamic Monitoring Of Histone Deacetylase Inhibitors

IC	Issue Date	Reference No.	Patent No.	Technology Title
	7/12/2016	E-103-2005	9,388,221	Papillomavirus L2 N-terminal Peptides For The Induction Of Broadly Cross-neutralizing Antibodies
	7/12/2016	E-771-2013	9,388,222	Improved PE24 And Fab Fusions (e.g. Humanized Anti- MSLN) Thereof For The Creation Of Improved Anti-mesothelin Immunotoxins
	7/19/2016	E-003-2010	9,394,352	Modified POTE Peptide Vaccine Against Cancer Of The Prostate, Colon, Lung, Breast, Ovary And Pancreas
	7/19/2016	E-024-2009	9,394,358	Molecular Prediction Of Survival Outcome Of Human Hepatocellular Carcinoma (HCC) Patients By A 'driver'-gene-signature.
	7/19/2016	E-130-2011	9,394,364	Human Single-domain Glypican-3 Monoclonal Antibody, HN3, Which Inhibits Hepatocellular Carcinoma Growth
	8/2/2016	E-144-2011	9,402,820	Enhancing Anti-Cancer Effect Of Hypoxia-Sensitive Treatment Using Pyruvate As An Acute Hypoxia Inducer
	8/9/2016	E-136-2012	9,409,994	High-affinity Mouse Monoclonal Antibodies To Glypican-3 For Liver Cancer Therapy And Diagnosis
	8/9/2016	E-198-2012	9,409,992	Novel Mesothelin Domain Rabbit Monoclonal Antibodies
	8/16/2016	E-132-2012	9,415,099	Novel Vaccination Method To Alter The Breath And Immunodominant Hierarchy Of Immune Responses
	8/16/2016	E-236-2012	9,416,190	A Single-domain Human Antibody, SD1, Elicits Potent Antitumor Activity By Targeting A Novel Epitope In Mesothelin Close To The Cancer Cell Surface
	8/23/2016	E-298-2007	9,421,254	Synergy Between Toll-like Receptors Using MyD88-dependent And MyD8 8-Independent Signaling Pathways
	8/30/2016	E-135-2012	9,428,813	DNA Methylation For The Diagnosis Of Adrenal Neoplasms
	9/13/2016	E-125-2011	9,441,048	Antibodies And Immunotoxins Reactive With Human Gangliosides 3'6'iso-LM1 And 3'6'iso-LD1 And Methods Of Use
	10/11/2016	E-263-2006	9,464,324	A Novel Algorithm For TheMolecular Diagnosis Of Lymph Node Metasis And Prognosis In Early-stage Lung Adenocarcinoma By Profiling The Expression Of Unique Cytokines In Tumor And Non-Tumor Specimens
	10/25/2016	E-137-2003	9,474,793	Novel Peptide Vaccine To Prevent The Development Of Resistance Of HIV And Hepatitis B To HIV Medications
	10/25/2016	E-167-2010	9,475,839	Peptide Inhibitors Of Interferon Gamma And Interleukin 10 Signaling
	11/8/2016	E-105-2012	9,487,573	A Murine T Cell Receptor Targeting Cancer Testis Antigen NY-ESO-1

IC	Issue Date	Reference No.	Patent No.	Technology Title
	11/15/2016	E-207-2008	9,492,564	Bispecific Monoclonal Antibodies And Immunotoxins Reactive With Epidermal Growth Factor Receptor And Epidermal Growth Factor Receptor Variant III (D2C7, H-11, F2A2, And B10B11)
	11/15/2016	E-242-2015	9,492,499	Peptides Having Anti-Inflammatory Properties
	11/29/2016	E-264-2011	9,506,041	Novel Delivery Of Packaged RNA In Mammalian Cells
	12/6/2016	E-294-2010	9,512,429	Allele Specific ShRNAs And SiRNAs For NanogP8
	12/13/2016	E-034-2010	9,517,243	A New Type Of Glycolipid Antigen Stimulating NKT Cells To Induce Anti-tumor Immunity
	12/20/2016	E-059-2007	9,522,948	Identification And Characterization Of A Mouse T Cell Receptor Recognizing HLA-A*0201 Restricted Human Melanoma Antigen Gp100154-162
	12/27/2016	E-003-2007	9,527,903	Engineered CH2 Domain Antibodies (nanoCodies)
	1/3/2017	E-289-2011	9,533,031	The Ability Of Novel Yeast-MUC1 Constructs To Mature Human Dendritic Cells (DCs) And Activate Human T Cells
	1/10/2017	E-164-2007	9,540,427	Compounds Binding To The N-terminal Domains Of STAT Proteins As Therapeutic Agents
	1/17/2017	E-192-2008	9,546,202	Optimization Of Expression Of Multimeric Proteins
	1/24/2017	E-230-2011	9,550,818	A Vascular Endothelial Growth Factor (VEGF) Antagonist Engineered By Disruption Of Heparin Sulfate Binding
	2/14/2017	E-185-2008	9,567,566	High-Mobility Group N1 Protein (HMGN1) Is An Immune Enhancer
	3/21/2017	E-080-2008	9,598,492	Human And Improved Murine Monoclonal Antibodies Against CD22
	4/11/2017	E-283-2008	9,617,599	Method For Detection Of Cancer Based On Spatial Genome Organization
	4/18/2017	E-056-2011	9,623,097	The Development And Use Of A Recombinant Brachyury Saccharomyces Cerevisiae (yeast) Vaccine For The Prevention And/or Therapy Of Human Cancer
	4/18/2017	E-148-2011	9,624,306	A Chimeric Antigen Receptor Targeting The Tumor Antigen EGFRvIII
	4/25/2017	E-039-2012	9,631,192	Auto-recognizing Therapeutic R/DNA Chimeric Nanoparticles (NP), A Novel Concept For HIV Treatment
	5/9/2017	E-001-2014	9,644,037	Development For A Rabbit Anti-pT1989 ATR Monoclonal Antibody For Use In IFA And Other Immunoassays
	5/9/2017	E-173-2012	9,644,179	Programmed Death Ligand-1 (PDL1)-transduced K562 Cells Convert Human Th1 Cells Into Regulatory T Cells
	5/16/2017	E-159-2009	9,649,339	LAT2KR For Adoptive Immunotherapy

IC	Issue Date	Reference No.	Patent No.	Technology Title
	5/23/2017	E-263-2011	9,657,066	Identification And Removal Of Human-specific B-cell Epitopes Producing An Immunotoxin With Low Antigenicity And High Cytotoxic Activity
	6/6/2017	E-013-2012	9,670,549	Clinically Correlated Biomarker Response Signature For The Therapeutic Combination Of Histone Deacetylase (HDAC) And MTOR Inhibitors For Cancer
	6/13/2017	E-019-2012	9,676,857	Soluble Engineered Monomeric IgG 1 Fc
	6/13/2017	E-068-2011	9,676,846	Human Monoclonal Antibodies Cross-reacting To Insulin-like Growth Factor (IGF) I And II
	6/13/2017	E-081-2015	9,676,858	HUMAN BISPECIFIC EGFRVIII ANTIBODY ENGAGING MOLECULES
	6/13/2017	E-217-2011	9,678,074	Identification Of A Novel Interferon-analog (IFNAN) Human Protein That Impairs Spontaneous And Treatment-induced Clearance Of Hepatitis C Virus In Humans
	6/27/2017	E-043-2009	9,688,739	Development Of A T-Cell Receptor Targeted To The Human Tyrosinase Tumor Antigen
	8/1/2017	E-223-2012	9,719,084	Co-Transcriptional Production Of Chemically Modified Functional Therapeutic RNA Nanoparticles
	8/8/2017	E-005-2011	9,725,494	The Use Of Soluble CD27 (sCD27) In Sera Of Patients With Carcinoma To Determine Response To Therapy Or Suitability For Immunotherapy, And Use Of SCD27 As A Therapeutic To Enhance Immune Response Of Patients
	8/8/2017	E-254-2005	9,725,492	Optimization Of Expression Of Human Interleukin-15 (IL-15) And Improved DNA Vector Combinations Of IL-15 And IL-15 Receptor Alpha And Protein Combinations Of Same That Increase Cytokine Stability And Biological Function In Vivo And In Vitro
	8/15/2017	E-059-2009	9,732,337	RNA Hexagonal Ring And RNA Nanotube, RNA Nanorings, RNA Three-dimensional Cages And Functionalized RNA-based Nanoparticles
	8/15/2017	E-203-2004	9,732,359	Replication-Competent Adenovirus/HIV Recombinants With High Expression Of The Gene Insert As HIV Vaccines
	8/22/2017	E-351-2013	9,738,726	Site Specific Antibody Drug Conjugation Through Glycan Engineering For Targeted Cancer Therapeutics Development
	9/12/2017	E-039-2011	9,758,586	Chimeric Rabbit/human Anti-human ROR1 Monoclonal Antibodies With Relevance For Cancer Therapy And Diagnosis- [3 New Chimeric Rabbit/human Anti-ROR1 IgG1 (named R11, R12, And Y31)]
	9/19/2017	E-040-2012	9,765,342	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen



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	9/19/2017	E-168-2011	9,764,022	Genotype-specific Vaccination Against BK Polyomavirus
	9/19/2017	E-174-2011	9,765,123	Identification Of Epitopes In Domain 2 And 3 Of PE38 And Removal Of Epitopes In Domain 2 By Mutagenesis While Retaining Immunotoxin Activity
	9/19/2017	E-344-2013	9,765,142	Development Of Human Monoclonal Antibodies Against Tumor Endothelial Marker 8 (TEM8) As Cancer Diagnostic And Therapeuticagents
	10/10/2017	E-035-2013	9,783,586	Inhibitors Of The Linear Ubiquitin Chain Assembly Complex (LUBAC) For The Therapy Of The Activated B Cell-like (ABC) Subtype Of Diffuse Large B Cell Lymphoma
	10/10/2017	E-162-2009	9,782,399	Inhibitors Of FKBP52-Mediated Regulation Of Androgen Receptor Function
	10/17/2017	E-104-2013	9,790,282	High Activity Chimeric Antigen Receptor For CD 22
	10/17/2017	E-254-2005	9,790,261	Optimization Of Expression Of Human Interleukin-15 (IL-15) And Improved DNA Vector Combinations Of IL-15 And IL-15 Receptor Alpha And Protein Combinations Of Same That Increase Cytokine Stability And Biological Function In Vivo And In Vitro
	10/24/2017	E-255-2012	9,796,967	Reversible Regulation Of Intein Activity Through Engineered New Zinc Binding Domain
	10/31/2017	E-198-2012	9,803,022	Novel Mesothelin Domain Rabbit Monoclonal Antibodies
	11/21/2017	E-495-2013	9,822,162	T Cell Receptor Targeting An HLA-A2 Restricted Epitope Of Human Papillomavirus-16 E6
	12/19/2017	E-085-2013	9,844,569	Selection Of CD8+ PD-1+ Or CD8+ TIM-3+ Cells From Peripheral Blood Of Cancer Patients Enriches For Tumor-Reactive Cells That Can Be Used For Adoptive Transfer In The Treatment Of Cancer
	1/2/2018	E-158-2009	9,855,330	15kD Granulysin Causes Monocyte Activation And Differentiation And May Prove A Useful Adjuvant For Immunotherapy
	1/2/2018	E-282-2016	9,855,298	Methods For Pre-conditioning Patients For Cell Therapy
	1/16/2018	E-265-2011	9,868,774	Chimeric Antigen Receptor Targeting CD22
	1/30/2018	E-230-2012	9,879,065	MAGE Family Of Cancer/Testis Antigen MAGE-A3 Presented By HLA-DP Beta1*04
	3/13/2018	E-188-2010	9,914,773	Human Monoclonal Antibody Against Human Folate Receptor Beta
	3/20/2018	E-159-2014	9,919,058	Intra-pulmonary Delivery Of CpG ODN Adsorbed Onto Polyketal Nanoparticles (CpG-NP) Significantly Reduced Lung Tumor Burden
	3/20/2018	E-269-2011	9,921,211	A Living Cell Fluorescence Assay For Detection And Monitoring Of Endocrine Disrupting Chemicals In Water Sources

IC	Issue Date	Reference No.	Patent No.	Technology Title
	4/3/2018	E-130-2011	9,932,406	Human Single-domain Glypican-3 Monoclonal Antibody, HN3, Which Inhibits Hepatocellular Carcinoma Growth
	4/3/2018	E-141-2008	9,931,377	Complexes Of IL-15 And IL-15R Alpha And Uses Thereof
	4/3/2018	E-549-2013	9,931,393	Virus-like Particle Vaccine Against JC Polyomaviruses
	4/17/2018	E-033-2008	9,944,927	Diagnostic And Therapeutic Applications Of A P53 Isoform In Regenerative Medicine, Aging And Cancer
	4/24/2018	E-153-2009	9,951,311	Inactivation Of Cbl-b Can Obviate The Requirement For CD28 Costimulation Of T Cells In Tumor Rejection
	5/8/2018	E-188-2010	9,963,505	Human Monoclonal Antibody Against Human Folate Receptor Beta
	5/15/2018	E-256-2008	9,970,059	A Gene Expression-based Survival Predictor For Diffuse Large B Cell Lymphoma Treated With Chemotherapy Plus Rituximab
	5/22/2018	E-257-2009	9,975,937	Use Of IL-15 To Increase Thymic Output
	5/29/2018	E-034-2013	9,982,025	Modified Griffithsin Tandemers For Enhanced Activity And Reduced Viral Aggregation
	6/5/2018	E-178-2009	9,989,533	A Dual Function Protein, ATIA, Is A Novel Diagnostic Marker For Human Glioblastoma And A Potential Therapeutic Target For Treating The Disease
	6/5/2018	E-294-2010	9,988,631	Allele Specific ShRNAs And SiRNAs For NanogP8
	6/19/2018	E-018-2005	10,000,813	Methods For Treating Beta-Catenin Splice Variant Related Cancers
	7/31/2018	E-230-2011	10,035,833	A Vascular Endothelial Growth Factor (VEGF) Antagonist Engineered By Disruption Of Heparin Sulfate Binding
	7/31/2018	E-520-2013	10,035,832	Identification And Characterization Of HLA-A24 Agonist Epitopes Of MUC1-Oncoprotein
	8/7/2018	E-010-2008	10,040,830	Novel Protein Delivery System For Mammalian Cells
	8/14/2018	E-048-2012	10,047,401	Expression Of Protein-coding And Noncoding Genes As A Prognostic Classifier In Early Stage, Lung Adenocarcinoma
	8/14/2018	E-094-2013	10,047,122	Pivaloyloxymethyl (POM)-protected Peptide And Peptide Mimetic Binding Antagonists Of Polo-like Kinase 1 Polo Box Domain And Methods Of Use
	8/21/2018	E-125-2011	10,052,382	Antibodies And Immunotoxins Reactive With Human Gangliosides 3'6'iso-LM1 And 3'6'iso-LD1 And Methods Of Use
	8/21/2018	E-767-2013	10,053,514	Certain Improved Human Bispecific EGFRvIII Antibody Engaging Molecules
	9/11/2018	E-207-2008	10,072,084	Bispecific Monoclonal Antibodies And Immunotoxins Reactive With Epidermal Growth Factor Receptor And Epidermal Growth Factor Receptor Variant III (D2C7, H-11, F2A2, And B10B11)

IC	Issue Date	Reference No.	Patent No.	Technology Title
	9/11/2018	E-291-2012	10,072,078	High Activity Chimeric Antigen Receptor For CD22
	9/18/2018	E-294-2011	10,076,535	Use Of CpG Oligonucleotides And/or Imiquimod Co-formulated In Antibiotic Cream To Accelerate Wound Healing
	10/2/2018	E-105-2012	10,087,230	A Murine T Cell Receptor Targeting Cancer Testis Antigen NY-ESO-1
	10/9/2018	E-083-2007	10,094,836	Use Of SLCO1B3 Genotyping To Predict A Survival Prognosis Of Prostate Cancer
	10/9/2018	E-257-2009	10,093,710	Use Of IL-15 To Increase Thymic Output
	10/30/2018	E-263-2011	10,111,927	Identification And Removal Of Human-specific B-cell Epitopes Producing An Immunotoxin With Low Antigenicity And High Cytotoxic Activity
	11/6/2018	E-190-2014	10,117,947	IR70/Papillomavirus Capsid Conjugates For Diagnosis And Treatment Of Tumors
	11/6/2018	E-482-2013	10,117,942	Photo-activable Lipid-based Nanoparticles ("POCKET" Liposomes) As Vehicles For On-demand DUAL Drug Delivery And Combination Therapy For Improved Cancer Treatment
	11/27/2018	E-001-2012	10,138,271	The Identification Of Enhancer Agonist Epitopes In The C Terminus And N Terminus Of The MUC-1 Tumor Antigen
	12/4/2018	E-227-2014	10,143,721	Combination Of Griffithsin With Other Substances To Make A Product For The Prevention Of STD
	12/4/2018	E-269-2010	10,143,724	Isolation And Analysis Of A Human TCR Recognizing Cancer Testis Antigen SSX2 And Use In Adaptive Immunotherapy
	1/8/2019	E-176-2014	10,174,098	T-cell Receptor Targeting An HLA-A2-restricted Epitope Of Human Papillomavirus-16 E7
	1/22/2019	E-094-2017	10,183,993	Fully Human Antibody Binders To Human Mesothelin For CAR-T Therapeutics Treatment
	1/29/2019	E-186-2007	10,188,751	Papilloma Pseudovirus For Detection And Therapy Of Tumors
	2/5/2019	E-053-2015	10,196,372	A New Class Of C-Myc G-quadruplex Stabilizing Small Molecules With Anticancer Activity
	2/5/2019	E-344-2013	10,196,443	Development Of Human Monoclonal Antibodies Against Tumor Endothelial Marker 8 (TEM8) As Cancer Diagnostic And Therapeuticagents
	4/2/2019	E-115-2015	10,246,463	The Eudistidines: A Novel Molecular Scaffold For Inhibitors Of 300/HIF-1 A Interactions
	4/23/2019	E-141-2008	10,265,382	Complexes Of IL-15 And IL-15R Alpha And Uses Thereof

IC	Issue Date	Reference No.	Patent No.	Technology Title
	4/23/2019	E-181-2009	10,266,565	Development Of Peptide Mimetic Ligands Of Polo-like Kinase 1 Polo Box Domain: Part 3
	4/30/2019	E-025-2011	10,273,299	Antibodies To Tumor Endothelial Marker 8
	5/7/2019	E-031-2014	10,279,019	A Virus-like Display Vaccine For Inducing Autoantibodies To A PCSK9 Peptide
	5/14/2019	E-042-2014	10,287,350	Novel Anti-CD19 Chimeric Antigen Receptors
	5/14/2019	E-043-2008	10,287,340	Cross-reactive Neutralizing Human Domain Antibody Against HIV-1
	5/14/2019	E-047-2014	10,286,050	Multi-Epitope TARP PeptideTherapeutic Cancer Vaccine
	5/28/2019	E-765-2013	10/301,621	Multifunctional RNA Nanoparticles
	6/11/2019	E-174-2012	10,316,289	In Vitro Generation Of Memory Stem Cell-like T Cells
	6/18/2019	E-255-2012	10,323,235	Reversible Regulation Of Intein Activity Through Engineered New Zinc Binding Domain
	6/18/2019	E-282-2016	10,322,146	Methods For Pre-conditioning Patients For Cell Therapy
	6/25/2019	E-291-2014	10,329,323	Method For Purifying Antibody Using PBS
	6/25/2019	E-495-2013	10,329,339	T Cell Receptor Targeting An HLA-A2 Restricted Epitope Of Human Papillomavirus-16 E6
	7/2/2019	E-070-2015	10,335,460	Optimal Dosing Of Heterodimeric Interleukin-15 (IL-15)
	7/23/2019	E-003-2007	10,358,481	Engineered CH2 Domain Antibodies (nanoCodies)
	7/30/2019	E-056-2011	10,363,294	The Development And Use Of A Recombinant Brachyury Saccharomyces Cerevisiae (yeast) Vaccine For The Prevention And/or Therapy Of Human Cancer
	7/30/2019	E-267-2016	10,363,286	Synthetic Self-assembling Peptide Antagonists Of Human CCR3 For The Treatment Of Inflammatory Diseases
	8/6/2019	E-108-2004	10,370,715	A CUSTOM DNA MICROARRAY FOR MOLECULAR DIAGNOSIS AND PROGNOSIS IN HUMAN LYMPHOID MALIGNANCIES
	8/6/2019	E-227-2006	10,370,439	Regulating Blood Pressure Through Targeting Thrombospondin-I And CD47
	8/20/2019	E-184-2009	10,383,924	Combination Immunotherapy Compositions And Methods
	8/27/2019	E-121-2013	10,393,745	Diagnostic And Prognostic Utility Of Urinary Metabolites In Lung Cancer Patients
	8/27/2019	E-247-2015	10,392,441	Anti-interleukin 7 Receptor Monoclonal Antibody For Treatment Of Acute Lymphoblastic Leukemia
	9/3/2019	E-062-2014	10,398,772	Modulation Of The RAS Pathways As A Biomarker Of Protection Against HIV And As A Means To Improve Vaccine Efficacy

IC	Issue Date	Reference No.	Patent No.	Technology Title
	9/10/2019	E-086-2012	10,407,665	Methods For Cell Immortalization And Generation Of Pluripotent Cells
	9/10/2019	E-105-2012	10,407,485	A Murine T Cell Receptor Targeting Cancer Testis Antigen NY-ESO-1
	9/24/2019	E-002-2014	10,421,802	Human Monoclonal Antibodies Against The Middle East Respiratory Syndrome CoronaVirus (MERS-CoV) And Engineered Bispecific Fusions With Inhibitory Peptides
	9/24/2019	E-153-2009	10,421,945	Inactivation Of Cbl-b Can Obviate The Requirement For CD28 Costimulation Of T Cells In Tumor Rejection
	10/1/2019	E-132-2012	10,426,830	Novel Vaccination Method To Alter The Breath And Immunodominant Hierarchy Of Immune Responses
	10/1/2019	E-174-2011	10,428,119	Identification Of Epitopes In Domain 2 And 3 Of PE38 And Removal Of Epitopes In Domain 2 By Mutagenesis While Retaining Immunotoxin Activity
	10/1/2019	E-254-2005	10,428,133	Optimization Of Expression Of Human Interleukin-15 (IL-15) And Improved DNA Vector Combinations Of IL-15 And IL-15 Receptor Alpha And Protein Combinations Of Same That Increase Cytokine Stability And Biological Function In Vivo And In Vitro
	10/8/2019	E-215-2014	10,434,174	COMBINATION THERAPIES USING AGENTS THAT TARGET TUMOR ASSOCIATED STROMA OR TUMOR CELLS AND OTHER PATHWAYS
	10/22/2019	E-226-2014	10,450,372	Retroviral Vector That Encodes A Murine (100%) T-cell Receptor (TCR) Targeting An HLA-A2-restricted Epitope In Human Thyroglobulin For The Treatment Of Metastatic Thyroid Cancer
	11/12/2019	E-086-2015	10,472,412	Defucosylated Bispecific Multivalent Fusion Proteins Of Single Human CD4 And Antibody Domains For Therapy Of HIV-1 Infection
	11/26/2019	E-020-2013	10,487,363	Identification Of Non-invasive Biomarkers Of Coordinate Metabolic Reprogramming In Colorectal Tumor
	12/3/2019	E-080-2008	10,494,435	Human And Improved Murine Monoclonal Antibodies Against CD22
	12/10/2019	E-065-2015	10,501,507	Second Generation Griffithsin Mutants For Improved Stability And Solubility
	12/17/2019	E-520-2013	10,508,141	Identification And Characterization Of HLA-A24 Agonist Epitopes Of MUC1-Oncoprotein
	12/24/2019	E-278-2014	10,512,673	Synthetic Peptide Inhibitors Of The Interleukin 10 (IL-10) And Stat3 N-terminal Domain For The Treatment Of Infectious Diseases
	12/31/2019	E-156-2014	10,517,890	Triggering RNA Interference With RNA, RNA-DNA And DNA-RNA Nanoparticles

IC	Issue Date	Reference No.	Patent No.	Technology Title
	1/21/2020	E-099-2014	10,538,588	Chimeric Antigen Receptors (CARs) Targeting Mesothelin For Therapy Of Mesothelin-positive Cancers And Other Diseases
	1/21/2020	E-205-2010	10,537,641	Photoimmunotherapy Enhanced Drug Therapy: Immediately Following Photoimmunotherapy The Delivery Of Therapeutic Drugs To The Treated Area S Markedly (~10 Fold) Increased Resulting In Increased Local Concentration Of Drug Without Systemic Side Effects
	1/21/2020	E-205-2010	10,538,590	Devices For Treating Blood Borne Cancers With Light Therapy Based On Photo Immunotherapy
	1/21/2020	E-264-2011	10,538,743	Novel Delivery Of Packaged RNA In Mammalian Cells
	1/28/2020	E-149-2015	10,544,392	Selection Of CD8+ PD-1+, CD8+PD-1+TIM-3+CD8+TIM-3+CD27hi Cells From Peripheral Blood Of Cancer Patients For The Isolation Of Mutation Specific T-cells And T-cell Receptors To Treat Patients With Cancer
	2/4/2020	E-094-2017	10,550,179	Fully Human Antibody Binders To Human Mesothelin For CAR-T Therapeutics Treatment
	2/4/2020	E-221-2015	10,548,987	Antibody-drug Conjugates M900PBD And M906PBD Targeting Neuroblastoma And Other CD56-positive Tumors
	2/4/2020	E-244-2015	10,550,164	Novel Recombinant Vector Compositions (non-yeast) Encoding A Brachyury Deletion Mutant
	2/11/2020	E-265-2015	10,556,940	T-cell Receptor Gene Therapy Against The KRASG120 Hotspot Mutation
	2/18/2020	E-243-2015	10,562,952	Chimeric Antigen Receptor (CAR) Targeting CD276
	2/25/2020	E-148-2011	10,570,214	A Chimeric Antigen Receptor Targeting The Tumor Antigen EGFRVIII
	3/3/2020	E-010-2008	10,577,397	Novel Protein Delivery System For Mammalian Cells
	3/3/2020	E-281-2016	10,577,349	Quinolinones As Inhibitors Of Translation Initiation Complex
	3/17/2020	E-190-2014	10,588,984	IR70/Papillomavirus Capsid Conjugates For Diagnosis And Treatment Of Tumors
	3/31/2020	E-053-2015	10,604,499	A New Class Of C-Myc G-quadruplex Stabilizing Small Molecules With Anticancer Activity
	3/31/2020	E-250-2014	10,604,582	Development Of Human Monoclonal Antibodies And Antibody Drug Conjugates Against CD276 As Cancer Diagnostics And Therapeutic Agents
	3/31/2020	E-750-2013	10,607,717	Molecular Diagnosis Of Lymphoma Subtypes Using Formalin-fixed, Paraffin-embedded Biopsy Specimens
	4/7/2020	E-175-2016	10,611,816	HLA-CWB -restricted T-cell Receptors Against The KRAs120 Mutation

IC	Issue Date	Reference No.	Patent No.	Technology Title
	4/7/2020	E-230-2012	10,611,815	MAGE Family Of Cancer/Testis Antigen MAGE-A3 Presented By HLA-DP Beta1*04
	4/28/2020	E-019-2012	10,633,447	Soluble Engineered Monomeric IgG 1 Fc
	4/28/2020	E-099-2014	10,633,441	Chimeric Antigen Receptors (CARs) Targeting Mesothelin For Therapy Of Mesothelin-positive Cancers And Other Diseases
	5/5/2020	E-130-2011	10,640,571	Human Single-domain Glypican-3 Monoclonal Antibody, HN3, Which Inhibits Hepatocellular Carcinoma Growth
	5/12/2020	E-033-2013	10,647,754	Stabilized Single Human CD4 Domains And Fusion Proteins As Exceptionally Potent HIV-1 Entry Inhibitors
	5/26/2020	E-240-2015	10,662,464	Use Of Massively Parallel Sequencing Methods With High Titer Viral Therapeutics And Vaccines For The Detection Of Micro-heterogeneity And Quantitation Of Low Frequency Sequence Variants
	6/9/2020	E-008-2014	10,676,528	Thymic Stromal Lymphopoietin Receptor (TSLPR) Chimeric Antigen Receptors
	6/16/2020	E-117-2011	10,683,362	Mechanisms That Increase The Activity Of An Immunotoxin That Kills Epithelial Cells Expressing Mesothelin
	6/23/2020	E-021-2015	10,689,456	Targeting Human CD70-Expressing Tumors Using A Retroviral Vector That Encodes A Receptor Using CD27 Fused With 41BB And CD3 Signaling Domains
	6/30/2020	E-108-2004	10,697,975	A CUSTOM DNA MICROARRAY FOR MOLECULAR DIAGNOSIS AND PROGNOSIS IN HUMAN LYMPHOID MALIGNANCIES
	7/7/2020	E-291-2012	10,703,816	High Activity Chimeric Antigen Receptor For CD22
	7/14/2020	E-025-2015	10,711,068	Development Of Rabbit Anti-CD133 Monoclonal Antibodies For Use In Immunoassays
	7/21/2020	E-085-2013	10,716,809	Selection Of CD8+ PD-1+ Or CD8+ TIM-3+ Cells From Peripheral Blood Of Cancer Patients Enriches For Tumor-Reactive Cells That Can Be Used For Adoptive Transfer In The Treatment Of Cancer
	8/4/2020	E-142-2014	10,730,941	Human Monoclonal Antibodies To CD56 (NCAM1) For Therapy Of Multiple Myeloma, Neuroblastoma, Lung Cancers And Other Diseases
	8/11/2020	E-040-2012	10,738,312	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	8/11/2020	E-040-2012	10,738,313	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	8/11/2020	E-106-2015	10,738,116	Chimeric Antigen Receptor (CAR) Targeting Both CD19 And CD22
	9/1/2020	E-215-2014	10,758,526	COMBINATION THERAPIES USING AGENTS THAT TARGET TUMOR ASSOCIATED STROMA OR TUMOR CELLS AND OTHER PATHWAYS



IC	Issue Date	Reference No.	Patent No.	Technology Title
	9/1/2020	E-215-2014	10,758,613	COMBINATION THERAPIES USING AGENTS THAT TARGET TUMOR ASSOCIATED STROMA OR TUMOR CELLS AND OTHER PATHWAYS
	9/1/2020	E-215-2014	10,758,614	COMBINATION THERAPIES TARGETING TUMOR-ASSOCIATED STROMA OR TUMOR CELLS AND TOPOISOMERASE
	9/8/2020	E-040-2012	10,767,184	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	10/20/2020	E-276-2014	10,809,268	ELISA Biosimulator Based On Gamma-H2AX To H2AX Ratios
	10/27/2020	E-001-2016	10,815,301	A Novel Fully-Human Anti-CD30 Chimeric Antigen Receptor For Treatment Of CD30+ Lymphoma
	10/27/2020	E-040-2012	10,815,487	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	10/27/2020	E-040-2012	10,815,488	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	10/27/2020	E-098-2015	10,813,993	A Versatile Nano-display Platform From Bacterial Spore Coat Proteins
	10/27/2020	E-186-2007	10,814,014	Papilloma Pseudovirus For Detection And Therapy Of Tumors
	11/3/2020	E-153-2009	10,822,588	Inactivation Of Cbl-b Can Obviate The Requirement For CD28 Costimulation Of T Cells In Tumor Rejection
	11/10/2020	E-040-2012	10,829,768	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	11/10/2020	E-040-2012	10,829,769	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	11/10/2020	E-209-2014	10,830,678	Photo-controlled Modification On Selected Proteins; For Chemical Analysis, Altering Pharmacokinetics, And Targeted Cancer Therapy
	11/17/2020	E-040-2012	10,837,019	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	12/15/2020	E-269-2010	10,864,252	Isolation And Analysis Of A Human TCR Recognizing Cancer Testis Antigen SSX2 And Use In Adaptive Immunotherapy
	12/22/2020	E-176-2014	10,870,687	T-cell Receptor Targeting An HLA-A2-restricted Epitope Of Human Papillomavirus-16 E7
	12/29/2020	E-040-2012	10,876,123	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	1/26/2021	E-040-2012	10,900,042	Chimeric Antigen Receptors Targeting B-cell Maturation Antigen
	2/2/2021	E-186-2015	10,905,769	Efficient Synthesis Of Orthogonally Protected (2S,3R) 2-amino-3-methyl-4-phosphonobutanoic Acid (Pmab): A Key Reagent For The Preparation Of Phosphatase-stable Plk1 Polo-box Domain-binding Peptides
	2/9/2021	E-495-2013	10,913,785	T Cell Receptor Targeting An HLA-A2 Restricted Epitope Of Human Papillomavirus-16 E6
	2/23/2021	E-010-2016	10,925,969	Development Of Anti-BCMA Immunotoxin For The Treatment Of Multiple Myeloma

IC	Issue Date	Reference No.	Patent No.	Technology Title
	2/23/2021	E-031-2014	10,925,938	A Virus-like Display Vaccine For Inducing Autoantibodies To A PCSK9 Peptide
	3/23/2021	E-267-2014	10,954,492	Novel Robust Production Process Of High Purity Polio Virus And Polio Virus Variants (PVS-RIPO)
	4/13/2021	E-229-2014	10,973,894	A Genomics-based Method For Developing Personalized Adoptive Cell Therapies For Cancer By Targeting Tumor-specific Mutations
NEI	6/4/2013	E-056-2008	8,455,454	Use Of Retinal Pigment Epithelia-enriched MicroRNAs To Prevent Cell-differentiation, Proliferation, And Migration In Neovascular Disease And Tumor Development
	4/15/2014	E-169-2008	8,697,046	Interferon Gamma Inhibits Human Retinal Pigment Epithelium Proliferation And Migration
	4/29/2014	E-056-2008	8,710,026	Use Of Retinal Pigment Epithelia-enriched MicroRNAs To Prevent Cell-differentiation, Proliferation, And Migration In Neovascular Disease And Tumor Development
	9/2/2014	E-113-2010	8,822,540	Nitisinone (NTBC) For Treatment Of Oculocutaneous/Ocular Albinism And For Cosmetic Tanning
	3/31/2015	E-092-2010	8,993,626	Use Of Sterculic Acid To Treat Choroidal Neovascularization.
	6/14/2016	E-113-2010	9,364,448	Nitisinone (NTBC) For Treatment Of Oculocutaneous/Ocular Albinism And For Cosmetic Tanning
	11/8/2016	E-169-2008	9,486,502	Interferon Gamma Inhibits Human Retinal Pigment Epithelium Proliferation And Migration
	4/25/2017	E-036-2012	9,629,897	Production Of Regulatory B (Breg) Cells By A Genetically Engineered Heterodimeric Interleukin-35 Cytokine:IL-35-induced Bregs As Immunotherapy For Autoimmune Diseases
	1/23/2018	E-284-2012	9,873,893	A Method For Treating X-linked Retinosis In Intravitreal Injection Of An AAV Retinoschisin Vector
	7/16/2019	E-164-2014	10,351,844	A Novel Gene Therapy Vector For Treating CEP290-associated Leber Congenital Amaurosis
	7/16/2019	E-284-2012	10,350,306	A Method For Treating X-linked Retinosis In Intravitreal Injection Of An AAV Retinoschisin Vector
	11/19/2019	E-251-2012	10,480,031	GENERATING RETINAL PIGMENT EPITHELIUM (RPE) CELLS FROM INDUCED PLURIPOTENT STEM CELLS (IPSCS)

IC	Issue Date	Reference No.	Patent No.	Technology Title
	12/24/2019	E-119-2017	10,512,671	Interleukin 24 Limits Expression Of Tissue Specific Autoimmune Disease By Controlling Th17 Lineage Cytokines
	5/12/2020	E-050-2015	10,646,588	Novel Gene Therapy Vectors For Treating X-linked Retinitis Pigmentosa Caused Bymutations In RPGR And/or RP2 Genes
NHGRI	1/1/2013	E-167-2001	8,343,479	Hematopoietic Stem Cells Regenerate Infarcted Myocardium
	10/13/2015	E-013-2011	9,157,125	Whole Genome Exome Sequencing In Melanoma Reveals A High Number Of Mutations And/or Recurring Mutations In 16 Genes Including TRRAP And GRIN2A
	5/3/2016	E-044-2013	9,326,992	Methods For Treating Progeroid Laminopathies Using Oligonucleotide Analogues Targeting Human Lamin A (LMNA)
	5/17/2016	E-056-2013	9,341,619	Biomarker For Diagnosis Of Hyposialylation Disorders And Prediction Of Treatment Efficacy
	8/1/2017	E-243-2012	9,719,080	A Synthetic Methylmalonyl-CoA Mutase Transgene For The Treatment Of Mut Class Methylmalonic Acidemia (MMA)
	12/5/2017	E-044-2013	9,833,468	Methods For Treating Progeroid Laminopathies Using Oligonucleotide Analogues Targeting Human Lamin A (LMNA)
	4/17/2018	E-243-2012	9,944,918	A Synthetic Methylmalonyl-CoA Mutase Transgene For The Treatment Of Mut Class Methylmalonic Acidemia (MMA)
	5/29/2018	E-060-2013	9,983,200	An Assay For Predicting The Time Of Onset Of Niemann-Pick Disease Type C (NPC)
	6/4/2019	E-243-2012	10,307,469	A Synthetic Methylmalonyl-CoA Mutase Transgene For The Treatment Of Mut Class Methylmalonic Acidemia (MMA)
	9/3/2019	E-044-2013	10,398,721	Methods For Treating Progeroid Laminopathies Using Oligonucleotide Analogues Targeting Human Lamin A (LMNA)
	12/3/2019	E-092-2014	10,493,087	Sialylation-increasing Therapies For Cardiac Impairment
	1/19/2021	E-243-2012	10,894,077	A Synthetic Methylmalonyl-CoA Mutase Transgene For The Treatment Of Mut Class Methylmalonic Acidemia (MMA)
	3/30/2021	E-177-2015	10,961,590	New Pan-Cancer Detection Methods
NHLBI	4/20/2004	E-325-2001	6,723,551	Production Of Adeno-Associated Virus In Insect Cells
	8/14/2007	E-320-2002	7,255,993	DETECTION OF MUTATIONAL FREQUENCY AND RELATED METHODS
	9/18/2007	E-325-2001	7,271,002	Production Of Adeno-Associated Virus In Insect Cells
	2/19/2008	E-211-2002	7,332,645	IL-21 Critically Regulates Immunoglobulin Production

IC	Issue Date	Reference No.	Patent No.	Technology Title
	5/27/2008	E-120-2003	7,378,276	IL-21 INDUCES TERMINAL DIFFERENTIATION OF HUMAN NAIVE AND MEMORY B CELLS INTO ANTIBODY SECRETING PLASMA CELLS
	5/27/2008	E-250-2001	7,378,274	Regulatory Nucleic Acid For The ABC1 Gene, Molecules Modifying Its Activity And Therapeutics Uses
	5/5/2009	E-008-2005	7,527,970	Discovery Of Acteylation Islands And Their Potential Application In Diagnosis And Therapy
	6/2/2009	E-160-2002	7,541,139	Tryptophan as a Functional Replacement for ADP-ribose-arginine in Recombinant Proteins
	8/11/2009	E-114-2004	7,572,771	Assay System And Composition Of Multi-domain Amphipathic Helical Peptides For The Treatment Of Atherosclerosis.
	10/6/2009	E-178-2004	7,598,071	Construction Of An Infectious Clone Of Human Parvovirus B19 And Its Application To Gene Therapy Targeting Of Human Hemapoietic Cells
	2/2/2010	E-208-2003	7,655,752	Identification Of An Endogenous TACE Inhibitory Peptide (eTIP)
	3/2/2010	E-347-2004	7,670,806	Alpha-NADase Activity Of ARH3 May Be Relevant To The Maintenance Of Alpha-NAD Levels In Ihe Mammalian Cell
	5/4/2010	E-037-2003	7,708,977	METHOD FOR THE DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE
	6/8/2010	E-104-2004	7,731,953	Thymic Stromal Lymphopoietin As A Regulator Of CD4+ T Cell Development That Can Partially Reconstitute The Immune System
	4/12/2011	E-160-2002	7,923,535	Tryptophan as a Functional Replacement for ADP-ribose-arginine in Recombinant Proteins
	8/9/2011	E-120-2003	7,993,919	IL-21 Is A Critical Regulator Of B-Cell Maturation, Memory Cell Development, And Terminal Differentiation
	8/16/2011	E-276-2004	7,998,682	FOS As A Novel Marker Of Atherosclerosis
	12/6/2011	E-114-2004	8,071,746	Assay System And Composition Of Multi-domain Amphipathic Helical Peptides For The Treatment Of Atherosclerosis.
	1/31/2012	E-080-2002	8,106,006	Modified Defensins And Their Use
	4/3/2012	E-114-2004	8,148,323	Assay System And Composition Of Multi-domain Amphipathic Helical Peptides For The Treatment Of Atherosclerosis.
	8/21/2012	E-120-2003	8,247,228	IL-21 INDUCES TERMINAL DIFFERENTIATION OF HUMAN NAIVE AND MEMORY B CELLS INTO ANTIBODY SECRETING PLASMA CELLS
	10/8/2013	E-259-2007	8,551,536	Nitrite And Nitrite-methemoglobin Therapy To Detoxify Stroma-free Hemoglobin Based Blood Substitutes"

IC	Issue Date	Reference No.	Patent No.	Technology Title
	12/10/2013	E-178-2004	8,603,784	Construction Of An Infectious Clone Of Human Parvovirus B19 And Its Application To Gene Therapy Targeting Of Human Hemapoietic Cells
	12/17/2013	E-080-2002	8,609,607	Modified Defensins And Their Use
	9/9/2014	E-243-2009	8,828,380	ADP-ribosylation Of Specific Arginines In Human Neutrophil Peptide-I (HNP-I)
	9/16/2014	E-114-2004	8,835,378	Assay System And Composition Of Multi-domain Amphipathic Helical Peptides For The Treatment Of Atherosclerosis.
	9/30/2014	E-037-2009	8,846,341	Novel Panel Of Biomarkers To Predict And Diagnosis Idiopathic Pulmonary Fibrosis
	12/30/2014	E-122-2006	8,921,050	The Discovery Of A Previously Uncharacterized Gene Whose Expression Is Restricted To Renal Cell Carcinoma (RCC) Cells
	1/20/2015	E-138-2008	8,936,787	Hypertriglyceridemia From ApoA-I And ApoA-I Mimetic Peptides
	3/17/2015	E-028-2008	8,980,871	Methods Of Treatment For Hemolysis
	1/2/2018	E-122-2006	9,856,453	The Discovery Of A Previously Uncharacterized Gene Whose Expression Is Restricted To Renal Cell Carcinoma (RCC) Cells
	7/31/2018	E-758-2013	10,035,848	Antibody Targeting Of Cell Surface Deposited Complement Protein C3d And Use Therof
	10/23/2018	E-133-2014	10,106,620	Daratumumab F(ab)2 To Protect NK Cells From Apoptosis
	12/11/2018	E-186-2014	10,150,802	Partial Agonists And Antagonists Of Interleukin-2; Tuning IL-2 Signaling Modulates Cell-type Specific Immune Responses
	2/12/2019	E-034-2016	10,201,591	TSLP Induces Neutrophil Mediated Killing Of Methicillin-resistant Staphylococcus Aureus
	2/26/2019	E-122-2006	10,214,726	The Discovery Of A Previously Uncharacterized Gene Whose Expression Is Restricted To Renal Cell Carcinoma (RCC) Cells
	8/20/2019	E-342-2013	10,385,313	Human iPSC-derived Vascular-related And Hematopoetic Cells For Therapies And Toxicology/drug Screenings
	1/28/2020	E-165-2014	10,543,257	Development Of A New Generation, Forward-oriented Therapeutic Vector For Hemoglobin Disorders
	2/11/2020	E-122-2006	10,557,118	The Discovery Of A Previously Uncharacterized Gene Whose Expression Is Restricted To Renal Cell Carcinoma (RCC) Cells
	5/19/2020	E-186-2014	10,654,905	Partial Agonists And Antagonists Of Interleukin-2; Tuning IL-2 Signaling Modulates Cell-type Specific Immune Responses

IC	Issue Date	Reference No.	Patent No.	Technology Title
	10/27/2020	E-036-2015	10,813,952	Transfection Of High-affinity CD16 Into Ex Vivo Expanded NK Cells To Augment Their Ability To Mediate Antibody Dependent Cellular Toxicity (ADCC) Against Tumors Treated With Monoclonal Antibodies
NIA	8/18/2009	E-049-2001	7,576,050	Long-Acting Insulinotropic Peptides And Uses Thereof
	10/18/2011	E-092-2004	8,038,997	Anti-Marinobufagenin Antibody (Clone 3EG) And Uses To Treat Hypertension, Pre-eclampsia, And Eclampsia
	9/4/2012	E-271-2006	8,258,278	DNA-based Strategy To Elicit Anti-tumor Responses Against Tumors Expressing Oncofetal Antigen/immature Laminin Receptor Protein
	10/2/2012	E-049-2001	8,278,272	Long-Acting Insulinotropic Peptides And Uses Thereof
	12/31/2013	E-088-2007	8,617,813	Trim43 Is Expressed In 4-cell To Morula Stage Embryos
	2/25/2014	E-140-2007	8,658,608	Modified Triple-helix Forming Oligonucleotides For Targeted Mutagenesis
	3/4/2014	E-089-2009	8,664,183	Sperm-derived SPANX-B Is A Clinically Relevant Tumor Antigen That Is Expressed In Human Tumors And Readily Recognized By Human CD4+ And CD8+ T Cells
	4/22/2014	E-051-2008	8,703,921	CHEMOARP -A SIMPLE AND EFFICIENT TECHNOLOGY FOR DELIVERING SIRNA
	5/20/2014	E-116-2004	8,728,526	Method For Avoiding Denaturation While Incorporating Proteins Or Virus In Biodegradable Microbeads
	6/3/2014	E-172-2009	8,741,649	ZScan4, Associated With Novel Transient State Of Embryonic Stem Cells, Is Involved In Telomere Regulation With Genome Stability
	8/5/2014	E-027-2005	8,795,674	Chemoattractant-based Toxins Which Deplete T Regulatory Cells To Improve Vaccine Immune Responses For Cancer And Other Clinically Relevant Diseases
	10/7/2014	E-049-2001	8,853,160	Long-Acting Insulinotropic Peptides And Uses Thereof
	4/21/2015	E-172-2009	9,012,223	ZScan4, Associated With Novel Transient State Of Embryonic Stem Cells, Is Involved In Telomere Regulation With Genome Stability
	11/3/2015	E-165-2011	9,175,062	High Potency Recombinant Human Soluble Receptor For Advanced Glycation End Products (sRAGE) As A Therapeutic Reagent For The Treatment Of Vascular Diseases, Injuries And Inflammation
	1/5/2016	E-101-2010	9,228,171	Cancer-induced Regulatory B Cells (tBregs) Are Efficient Suppressors Of Immune Cellular Responses
	1/19/2016	E-089-2009	9,238,684	Sperm-derived SPANX-B Is A Clinically Relevant Tumor Antigen That Is Expressed In Human Tumors And Readily Recognized By Human CD4+ And CD8+ T Cells

IC	Issue Date	Reference No.	Patent No.	Technology Title
	8/16/2016	E-051-2008	9,415,116	CHEMOARP -A SIMPLE AND EFFICIENT TECHNOLOGY FOR DELIVERING SIRNA
	11/29/2016	E-134-2009	9,506,032	Engineering Rhythmic And Responsive Biological Pacemakers Based On The Enhancement Of Cell Intracellular Signaling Targeting Both Ca Cycling And Sarcolemma
	3/28/2017	E-027-2005	9,605,044	Chemoattractant-based Toxins Which Deplete T Regulatory Cells To Improve Vaccine Immune Responses For Cancer And Other Clinically Relevant Diseases
	5/23/2017	E-101-2010	9,657,269	Cancer-induced Regulatory B Cells (tBregs) Are Efficient Suppressors Of Immune Cellular Responses
	2/20/2018	E-275-2011	9,896,729	A Hexonucleotide Repeat Expansion In C9orf72 Is The Cause Of Chromosome 9p21-linked Amyotrophic Lateral Sclerosis/Frontotemporal Dementia
	4/3/2018	E-103-2011	9,932,560	Zscan4 Increases The Efficiency Of Induced Pluripotent Stem (iPS) Cell Formation
	9/18/2018	E-271-2006	10,077,296	DNA-based Strategy To Elicit Anti-tumor Responses Against Tumors Expressing Oncofetal Antigen/immature Laminin Receptor Protein
	4/30/2019	E-008-2011	10,273,458	Identification Of Stem/Progenitor Cells In Adult Human Pancreas
	5/28/2019	E-027-2005	10,300,115	Chemoattractant-based Toxins Which Deplete T Regulatory Cells To Improve Vaccine Immune Responses For Cancer And Other Clinically Relevant Diseases
	6/11/2019	E-279-2013	10,316,287	Chemical Inhibitor For Selective Removal Of Pluripotent Stem Cells From Clinically Relevant Cell Populations
	11/12/2019	E-012-2012	10,471,142	Combined IVIG And C1 Inhibitor Therapy For Neurological Disorders
	9/8/2020	E-051-2008	10,765,694	CHEMOARP -A SIMPLE AND EFFICIENT TECHNOLOGY FOR DELIVERING SIRNA
NIAAA	8/23/2016	E-070-2012	9,422,308	Discovery Of Docosahexaenoylamide Derivatives That Promote The Growth And Development Of Neurons
	9/18/2018	E-103-2013	10,077,446	Selective, SiRNA-mediated Knockdown Of CB1 Receptors In Macrophages For The Treatment Of Diabetes
NIAID	6/14/2005	E-093-2000	6,905,822	Methods of Diagnosing Multidrug Resistant Tuberculosis
	7/18/2006	E-208-2000	7,078,508	Ixodes Scapularis Tissue Factor pathway Inhibitor
	8/22/2006	E-241-2001	7,094,598	Development of a Preventive Vaccine for Filovirus Infection in Primate
	5/22/2007	E-281-2001	7,220,718	Oral Treatment of Hemophilia



IC	Issue Date	Reference No.	Patent No.	Technology Title
	6/5/2007	E-120-2001	7,226,602	DEVELOPMENT OF MUTATIONS USEFUL FOR ATTENUATING DENGUE VIRUSES AND CHIMERIC DENGUE VIRUSES
	5/20/2008	E-227-2001	7,375,206	Brother of The Regulator of Imprinted Sites (Boris)
	6/17/2008	E-122-2001	7,388,089	Anti-Arthropod Vector Vaccines, Methods of Selecting and Uses Thereof
	10/14/2008	E-255-2000	7,435,801	Antibodies and Other Ligands Directed Against KIR2DL4 Receptor For Production of Interferon Gamma
	11/11/2008	E-090-2002	7,449,190	Assays For Assembly Of Ebola Virus Nucleocapsids
	2/3/2009	E-285-2002	7,485,306	Full-length cDNA Sequences CODing for Secreted Proteins from the Salivary Glands of Lutzomyia Longipalpis Sand Flies
	2/24/2009	E-355-2001	7,494,813	VAC-BAC Shuttle Vector System
	4/14/2009	E-089-2002	7,517,531	Dengue Tetravalent Vaccine Containing A Common 30 Nucleotide Deletion In The 3'-UTR Of Dengue Types 1,2,3, And 4, Or Antigenic Chimeric Dengue Viruses 1,2,3, And 4
	5/26/2009	E-233-2003	7,537,765	Inhibition Of HIV-1 Replication By Disruption Of The Processing Of The Viral Capsid-Spacer Peptide 1 Protein
	6/16/2009	E-093-2000	7,547,519	Methods of Diagnosing Multidrug Resistant Tuberculosis
	7/14/2009	E-120-2001	7,560,118	DEVELOPMENT OF MUTATIONS USEFUL FOR ATTENUATING DENGUE VIRUSES AND CHIMERIC DENGUE VIRUSES
	7/14/2009	E-168-2003	7,560,116	Protein Subunit Vaccine Against Orthopoxviruses
	9/8/2009	E-083-2005	7,585,667	Negative Strand RNA Virus Replicon
	11/17/2009	E-229-2003	7,618,632	GITR Ligand And Antibodies And Uses Thereof
	12/22/2009	E-241-2001	7,635,688	Development of a Preventive Vaccine for Filovirus Infection in Primate
	12/22/2009	E-317-2003	7,635,485	Accelerated Vaccination Strategies To Provide Protection Against Viral Infection
	2/23/2010	E-131-2002	7,666,411	Treatment Of Inflammatory Bowel Disease (IBD)using IL-13 Modulators And Inhibitors
	4/27/2010	E-280-2001	7,704,509	Recovery of Recombinant Human Parainfluenza Virus Type 1 (HPIV1) From cDNA and Use of Recombinant HPIV1 as Vaccines And Vectors to ...
	6/22/2010	E-130-2002	7,741,437	P. ARIASI POLYPEPTIDES AND P. PERNICIOSUS POLYPEPTIDES METHOD OF USE
	6/29/2010	E-225-2000	7,744,902	Respiratory Syncytial Virus Vaccines Expressing Protective Antigens From Promoter-proximal Genes

IC	Issue Date	Reference No.	Patent No.	Technology Title
	8/31/2010	E-241-2004	7,785,814	Cancer Diagnostics Based On The Detection Of Endogenous Antibodies To BORIS In Cancer Patients
	10/26/2010	E-092-2002	7,820,181	Complete Genomic Nucleotide Sequence Determination of HPIV2 Strain V94 and Generation of a Recombinant HPIV2/V94 From cDNA Useful For...
	1/11/2011	E-115-2001	7,867,982	MVA Expressing Modified HIV Envelope, Gag And Pol Genes
	1/11/2011	E-281-2001	7,867,974	Oral Treatment of Hemophilia
	3/22/2011	E-250-2005	7,910,105	IL-21 Receptor Deficiency Reduces Type-2 Immunity, Inflammation And Tissue Fibrosis
	3/29/2011	E-145-2004	7,914,788	Monoclonal Antibodies Against Orthopoxviruses
	4/5/2011	E-092-2002	7,919,301	Complete Genomic Nucleotide Sequence Determination of HPIV2 Strain V94 and Generation of a Recombinant HPIV2/V94 From cDNA Useful For...
	5/24/2011	E-059-2004	7,947,289	Exploiting The Multimeric Nature Of Certain Protein Toxins To Target Cells Having More Than One Identifying Characteristic
	6/21/2011	E-122-2001	7,964,576	Anti-Arthropod Vector Vaccines, Methods of Selecting and Uses Thereof
	9/13/2011	E-317-2003	8,017,130	Accelerated Vaccination Strategies To Provide Protection Against Viral Infection
	10/18/2011	E-120-2001	8,039,003	DEVELOPMENT OF MUTATIONS USEFUL FOR ATTENUATING DENGUE VIRUSES AND CHIMERIC DENGUE VIRUSES
	12/6/2011	E-123-2007	8,071,100	Chimpanzee Monoclonal Antibodies That Neutralize Lethal And Edema Factors Of Anthrax Toxin
	12/13/2011	E-089-2002	8,075,903	Dengue Tetravalent Vaccine Containing A Common 30 Nucleotide Deletion In The 3'-UTR Of Dengue Types 1,2,3, And 4, Or Antigenic Chimeric Dengue Viruses 1,2,3, And 4
	1/24/2012	E-319-2004	8,101,739	Optimized Vaccines To Provide Protection Against Ebola And Other Viruses
	1/31/2012	E-241-2001	8,106,026	Development of a Preventive Vaccine for Filovirus Infection in Primate
	1/31/2012	E-241-2001	8,106,027	Development of a Preventive Vaccine for Filovirus Infection in Primate
	2/28/2012	E-168-2003	8,124,105	Protein Subunit Vaccine Against Orthopoxviruses
	2/28/2012	E-241-2001	8,124,592	Development of a Preventive Vaccine for Filovirus Infection in Primate
	4/3/2012	E-218-2004	8,147,840	HIV Vaccine Immunogens And Immunization Strategies To Elicit Broadly Neutralizing Anti-HIV-1 Against The Membrane-Proximal Ectodomain Of HIV Gp41
	5/1/2012	E-066-2005	8,168,202	A Hexavalent Formulation Of A Bovine Or Rhesus Rotavirus-based Vaccine In A Schedule That May Eliminate Risk Of Intussusception

IC	Issue Date	Reference No.	Patent No.	Technology Title
	5/8/2012	E-131-2002	8,173,123	Treatment Of Inflammatory Bowel Disease (IBD)using IL-13 Modulators And Inhibitors
	6/26/2012	E-117-2006	8,206,933	Multiple BORIS Alternate Splice Forms As A Tool For Cancer Diagnostics And Treatment
	7/3/2012	E-239-2007	8,211,445	PMS GenePeptides As Vaccine Targets Against Methicillin-Resistant Staphlococcus Aureus
	8/28/2012	E-263-2005	8,252,550	Poly-gamma-DL-glutamate Capsule Of Staphylococcus Edidermis
	11/27/2012	E-233-2003	8,318,425	Inhibition Of HIV-1 Replication By Disruption Of The Processing Of The Viral Capsid-Spacer Peptide 1 Protein
	12/25/2012	E-139-2006	8,337,860	Development Of Dengue Virus Type 3 Vaccine Candidates Containing Either 1) Nucleotide Deletions In The 3'-UTR Of The Genome Consisting Of More Than 30 Contiguous Nucleotides In One Or Multiple Regions, Or 2) A 3'-UTR Derived From DEN4 And Containing The Delta30 Deletion
	1/1/2013	E-122-2001	8,343,499	Anti-Arthropod Vector Vaccines,Methods of Selecting and Uses Thereof
	2/5/2013	E-092-2002	8,367,074	Complete Genomic Nucleotide Sequence Determination of HPIV2 Strain V94 and Generation of a Recombinant HPIV2/V94 From cDNA Useful For...
	2/26/2013	E-172-2007	8,383,589	Collagen-platelet Aggregation Inhibitor From Mosquito Salivary Glands
	3/5/2013	E-059-2004	8,388,933	Exploiting The Multimeric Nature Of Certain Protein Toxins To Target Cells Having More Than One Identifying Characteristic
	3/26/2013	E-145-2004	8,404,818	Monoclonal Antibodies Against Orthopoxviruses
	5/14/2013	E-117-2006	8,440,415	Multiple BORIS Alternate Splice Forms As A Tool For Cancer Diagnostics And Treatment
	8/6/2013	E-125-2008	8,501,182	Chimpanzee/Human Chimeric Monoclonal Antibodies That React With The Capsule Of Bacillus Anthracis And Kill The Organism By Opsonophagocytosis.
	8/13/2013	E-142-2008	8,506,961	Humanized Monoclonal Antibodies Derived From Chimpanezee Fabs Efficient For Neutralization Of Japanese Virus (JEV) In Vitro And Protection Against JEV Infection In Mice
	10/29/2013	E-078-2009	8,568,739	Development Of Antigenic Chimeric Tick-borne Encephalitis Virus/dengue Virus Type 4 Recombinant Viruses (TBEV/DEN4) As Vaccine Candidates For The Prevention Of Disease Caused By TBEV
	11/5/2013	E-123-2007	8,574,853	Chimpanzee Monoclonal Antibodies That Neutralize Lethal And Edema Factors Of Anthrax Toxin

IC	Issue Date	Reference No.	Patent No.	Technology Title
	12/10/2013	E-110-2006	8,603,978	Adminstration Of Muramyl Dipeptide (MDP) For The Treatment Of Inflammatory Bowel Disease (IBD)
	1/7/2014	E-263-2005	8,623,371	Poly-gamma-DL-glutamate Capsule Of Staphylococcus Edidermis
	1/14/2014	E-122-2001	8,629,260	Anti-Arthropod Vector Vaccines,Methods of Selecting and Uses Thereof
	1/14/2014	E-285-2002	8,628,780	Full-length cDNA Sequences COding for Secreted Proteins from the Salivary Glands of Lutzomyia Longipalpis Sand Flies
	1/21/2014	E-120-2001	8,632,782	DEVELOPMENT OF MUTATIONS USEFUL FOR ATTENUATING DENGUE VIRUSES AND CHIMERIC DENGUE VIRUSES
	1/28/2014	E-055-2009	8,637,310	Use Of The ROCK Inhibitor, Y-27632, To Sustain Primary Human Keratinocytes In A Proliferative State To Study Long-term Replication, The Persistence And The Complete Life-cycle Of Papillomaviruses. Maintenance Of Primary Human Keratinocytes. In An Extended Proliferative State For Human Skin Grafting And Research Studies.
	1/28/2014	E-178-2008	8,637,234	Molecular Scaffolds For HIV-1 Epitopes
	1/28/2014	E-300-2009	8,637,036	Isolation Of Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-Specific Glycoprotein Probes To Identity HIV-1 Specific B-Cells (VRC03) Isolation Of Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-I Using Epitope-Specific Glycoprotein Probes To Identity HIV-1 Specific B-Cells (VRC03)
	2/11/2014	E-022-2008	8,647,818	MOLECULAR SCAFFOLDS FOR HIV-1 IMMUNOGENS
	4/1/2014	E-146-2004	8,685,396	Chimpaneze Monoclonal Antibody That Neutralizes Anthrax Protective Antigen (PA) Toxin
	7/8/2014	E-148-2009	8,772,238	Use Of Ixolaris, A Tissue Factor (anticoagulant) Inhibitor, For The Treatment Of Cancer
	7/8/2014	E-326-2006	8,772,256	Use Of Codon-modified Respiratory Syncytial Gene (RSV) Sequences For Vaccine Development
	7/15/2014	E-120-2001	RE45016	DEVELOPMENT OF MUTATIONS USEFUL FOR ATTENUATING DENGUE VIRUSES AND CHIMERIC DENGUE VIRUSES
	7/15/2014	E-357-2001	8,778,671	West Nile Virus And Dengue Virus Chimeras For Use In A Live Virus Vaccine
	7/29/2014	E-120-2001	RE045053	DEVELOPMENT OF MUTATIONS USEFUL FOR ATTENUATING DENGUE VIRUSES AND CHIMERIC DENGUE VIRUSES
	9/2/2014	E-131-2002	8,821,866	Treatment Of Inflammatory Bowel Disease (IBD)using IL-13 Modulators And Inhibitors

IC	Issue Date	Reference No.	Patent No.	Technology Title
	9/9/2014	E-120-2001	RE45,123	DEVELOPMENT OF MUTATIONS USEFUL FOR ATTENUATING DENGUE VIRUSES AND CHIMERIC DENGUE VIRUSES
	12/23/2014	E-217-2004	8,916,175	A Varicella-Zoster Vaccine Mutant Impaired For Latency But Not For Replication
	12/23/2014	E-275-2008	8,916,596	Use Of Mono-Anine Oxidase Inhibitors To Prevent Herpes Simplex Virus Infection And Reactivation From Latency
	12/30/2014	E-263-2005	8,921,071	Poly-gamma-DL-glutamate Capsule Of Staphylococcus Edidermis
	2/3/2015	E-043-2010	8,946,398	Hepatitis C Virus (HCV) Genotype 3a (Strain S52) And Genotype 4a (Strain ED43) Full-Length Infectious Consensus CDNA Clones That, Following Intra-Hepatic Transfection Into Chimpanzees, Produce Viruses, And Uses Thereof In Basic Research, Drug Development And Vaccine Development
	2/10/2015	E-312-2008	8,951,793	Selective Expression Of Latency Associated Peptide (LAP) And CD121b (IL-1 Receptor Type 2) On Activated Human FOXP3+ Regulatory T Cells Allows For Their Purification For Use In Expansion Cultures To Generate Sufficient Numbers Of Cells For Cell-Based Immunotherapy
	2/24/2015	E-123-2007	8,961,975	Chimpanzee Monoclonal Antibodies That Neutralize Lethal And Edema Factors Of Anthrax Toxin
	3/17/2015	E-172-2007	8,980,859	Collagen-platelet Aggregation Inhibitor From Mosquito Salivary Glands
	4/7/2015	E-145-2004	8,999,336	Monoclonal Antibodies Against Orthopoxviruses
	4/21/2015	E-319-2004	9,012,618	Optimized Vaccines To Provide Protection Against Ebola And Other Viruses
	5/19/2015	E-295-2004	9,034,343	Separated Overlapping Reading Frames Of The P/V Gene HPIV2 To Generate A Recombinant HPIV2 (rHPIV2) And Identification Of A Novel Cis-acting Mutation In HPIV2.
	6/9/2015	E-005-2009	9,052,321	A Novel Flavivirus-based System For Production Of Hepatitis C Virus (HCV): Production Of Infectious Virions And Development Of A Novel Reporter System For Studying HCV Virion Entry.
	6/9/2015	E-083-2006	9,051,573	A Newly Discovered Bacterium In The Family Acetobacteraceae
	6/16/2015	E-084-2010	9,056,068	S. Stercoralis Immunoreactive Antigen (SsIR) As A Vaccine For Protection Against Strongyloides Stercoralis Infection
	6/30/2015	E-281-2010	9,068,993	Wuchereria Bancrofti Specific Molecule For The Immunodiagnosis Of Bancroftian Filariasis And For Surveillance Following Successful Control Programs

IC	Issue Date	Reference No.	Patent No.	Technology Title
	7/7/2015	E-003-2005	9,072,716	Treatment And Prevention Of Inflammatory Bowel Disease (IBD) Using Mutant And Chimeric IL-13 Molecules
	7/28/2015	E-139-2006	9,090,873	Development Of Dengue Virus Type 3 Vaccine Candidates Containing Either 1) Nucleotide Deletions In The 3'-UTR Of The Genome Consisting Of More Than 30 Contiguous Nucleotides In One Or Multiple Regions, Or 2) A 3'-UTR Derived From DEN4 And Containing The Delta30 Deletion
	9/1/2015	E-285-2002	9,120,867	Full-length cDNA Sequences Coding for Secreted Proteins from the Salivary Glands of Lutzomyia Longipalpis Sand Flies
	9/15/2015	E-018-2010	9,133,480	Plasmid Shuttle Vector For Insertion Of Foreign Genes Into Del III Site Of Modified Vaccinia Virus Ankara (MVA) To Increase Stability Of Foreign Gene Expression In This Site
	9/15/2015	E-248-2006	9,133,478	A Shuttle Plasmid, Recombinant MVA/HIV1 Clinical Vaccine Constructs And A Mechanism For Enhanced Stability Of Foreign Gene Inserts By Codon Alteration And For Insertion Of Foreign Gene Between Two Vaccinia Virus Essential Genes
	11/3/2015	E-300-2009	9,175,070	Isolation Of Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-Specific Glycoprotein Probes To Identify HIV-1 Specific B-Cells (VRC03) Isolation Of Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-Specific Glycoprotein Probes To Identify HIV-1 Specific B-Cells (VRC03)
	11/10/2015	E-074-2011	9,181,530	A Wild-type Strain Of Genotype 3 Hepatitis E Virus, Its Cell Culture Adapted Progeny, Infectious cDNA Clones Of Each And A Cell Culture System Suitable For Studying Zoonotic Spread Of Hepatitis E
	11/24/2015	E-055-2007	9,193,790	Antagonists Of The Direct Interaction Between HIV Gp120 And Integrin
	1/19/2016	E-078-2009	9,238,799	Development Of Antigenic Chimeric Tick-borne Encephalitis Virus/dengue Virus Type 4 Recombinant Viruses (TBEV/DEN4) As Vaccine Candidates For The Prevention Of Disease Caused By TBEV
	2/9/2016	E-158-2007	9,255,252	Genome Sequence Analysis Of La Crosse Virus And In Vitro And In Vivo Phenotypes
	2/16/2016	E-031-2006	9,259,463	Vaccine Against Chlamydia Trachomatis Sexually Transmitted Diseases And Blinding Trachoma
	3/1/2016	E-125-2008	9,273,124	Chimpanzee/Human Chimeric Monoclonal Antibodies That React With The Capsule Of Bacillus Anthracis And Kill The Organism By Opsonophagocytosis.

IC	Issue Date	Reference No.	Patent No.	Technology Title
	3/1/2016	E-142-2008	9,273,121	Humanized Monoclonal Antibodies Derived From Chimpanzee Fabs Efficient For Neutralization Of Japanese Virus (JEV) In Vitro And Protection Against JEV Infection In Mice
	3/1/2016	E-148-2009	9,272,023	Use Of Ixolaris, A Tissue Factor (anticoagulant) Inhibitor, For The Treatment Of Cancer
	4/26/2016	E-242-2014	9,321,834	A Monoclonal Antibody Against The N-terminal Portion Of The Circumsporozoite Protein Of Plasmodium Falciparum
	5/31/2016	E-004-2009	9,353,353	Use Of Viral Like Particles (VLPs) In The Development Of A Preventive Vaccine Against Chikungunya
	6/14/2016	E-252-2012	9,365,626	Kunitz Inhibitor Of Proteases
	6/28/2016	E-139-2006	RE046042	Development Of Dengue Virus Type 3 Vaccine Candidates Containing Either 1) Nucleotide Deletions In The 3'-UTR Of The Genome Consisting Of More Than 30 Contiguous Nucleotides In One Or Multiple Regions, Or 2) A 3'-UTR Derived From DEN4 And Containing The Delta30 Deletion
	6/28/2016	E-283-2009	9,375,424	Discovery Of Potential Antimalarial Drugs
	7/5/2016	E-285-2002	9,382,302	Full-length cDNA Sequences Coding for Secreted Proteins from the Salivary Glands of Lutzomyia Longipalpis Sand Flies
	7/5/2016	E-292-2010	9,382,311	Isolation Of VRC-PG-04 And VRC-PG-05, Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-specific Glycoprotein Probes To Identify HIV-1 Specific B-cells
	8/2/2016	E-240-2012	9,403,763	CD-4 Mimetic Inhibitors Of HIV Entry And Methods Of Use Thereof
	9/13/2016	E-055-2007	9,441,041	Antagonists Of The Direct Interaction Between HIV Gp120 And Integrin
	9/13/2016	E-172-2007	9,441,022	Collagen-platelet Aggregation Inhibitor From Mosquito Salivary Glands
	9/13/2016	E-293-2011	9,441,019	Development Of Self-Assembling Ferritin Nanoparticles Expressing Hemagglutinin As An Influenza Vaccine
	9/27/2016	E-337-2004	9,453,239	Recombinant MVA Viruses Expressing Clade A/G And Clade B Modified HIV Env, Gag, And Pol Genes
	10/25/2016	E-253-2011	9,475,862	Method For Isolating And Producing Neutralizing Monoclonal Antibodies Without Prior Knowledge Of Specificity
	11/1/2016	E-279-2011	9,481,866	Stabilization Of Helios-expressing Foxp3+ Human Regulatory T Cells Using Random-sequenced Oligonucleotides
	11/8/2016	E-057-2011	9,487,563	Virus Like Particles (VLPs) And Method Of Use



IC	Issue Date	Reference No.	Patent No.	Technology Title
	11/22/2016	E-275-2008	9,499,821	Use Of Mono-Anine Oxidase Inhibitors To Prevent Herpes Simplex Virus Infection And Reactivation From Latency
	12/27/2016	E-154-2010	9,526,777	Filovirus Vaccines Based On Chimpanzee Adenoviral Vectors
	1/3/2017	E-226-2011	9,534,041	Chimpanzee/Human Chimeric Monoclonal Antibodies That Neutralize Norwalk Virus
	1/31/2017	E-202-2011	9,555,064	Improved Bacterial Host For Production Of Anthrax Toxin Proteins And Vaccines - Bacillus Anthracis, BH460
	3/14/2017	E-219-2014	9,593,136	Compounds For Inhibiting 1-Deoxy-D-Xylulose-5-Phosphate Reductoisomerase
	4/18/2017	E-135-2010	9,624,475	Genetically Stable Live Attenuated Vaccine For Respiratory Syncytial Virus (RSV) With An Attenuation And Temperature Sensitive Phenotype Conferred By An Amino Acid Deletion
	6/20/2017	E-043-2010	9,683,269	Hepatitis C Virus (HCV) Genotype 3a (Strain S52) And Genotype 4a (Strain ED43) Full-Length Infectious Consensus CDNA Clones That, Following Intra-Hepatic Transfection Into Chimpanzees, Produce Viruses, And Uses Thereof In Basic Research, Drug Development And Vaccine Development
	7/4/2017	E-051-2012	9,695,230	Further Modifications To HIV Neutralizing Antibodies To Improve Function
	7/11/2017	E-043-2011	9,701,718	Adenovirus Serotype 26/ Adenovirus Serotype 35 Prime Boost Filovirus Vaccine
	7/18/2017	E-120-2001	9,707,287	DEVELOPMENT OF MUTATIONS USEFUL FOR ATTENUATING DENGUE VIRUSES AND CHIMERIC DENGUE VIRUSES
	7/18/2017	E-145-2004	9,708,392	Monoclonal Antibodies Against Orthopoxviruses
	8/15/2017	E-246-2012	9,730,993	Engineered Complementary Anthrax Toxin Protective Antigen Variants That Exclusively Form Octamers
	8/22/2017	E-081-2013	9,738,689	Structure-based Stabilization Of The RSV F Glycoprotein In Its Prefusion Conformation
	8/22/2017	E-300-2009	9,738,703	Isolation Of Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-Specific Glycoprotein Probes To Identity HIV-1 Specific B-Cells (VRC03) Isolation Of Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-Specific Glycoprotein Probes To Identity HIV-1 Specific B-Cells (VRC03)
	9/26/2017	E-007-2015	9,771,428	CD47-targeted Therapies For The Treatment Of Infectious Disease

IC	Issue Date	Reference No.	Patent No.	Technology Title
	10/3/2017	E-067-2012	9,775,895	Peptide And Mimics That Inhibit The Interaction Between The HIV Envelope Protein GP120 (at V2-loop) And The HIV Receptor, CD4
	10/10/2017	E-089-2002	9,783,787	Dengue Tetravalent Vaccine Containing A Common 30 Nucleotide Deletion In The 3'-UTR Of Dengue Types 1,2,3, And 4, Or Antigenic Chimeric Dengue Viruses 1,2,3, And 4
	10/10/2017	E-142-2008	9,783,596	Humanized Monoclonal Antibodies Derived From Chimpanzee Fabs Efficient For Neutralization Of Japanese Virus (JEV) In Vitro And Protection Against JEV Infection In Mice
	10/10/2017	E-253-2011	9,783,595	Method For Isolating And Producing Neutralizing Monoclonal Antibodies Without Prior Knowledge Of Specificity
	10/24/2017	E-066-2013	9,795,662	Vaccination With AMA1-RON2 Complex Provides Protection Against Lethal Plasmodium Challenge
	10/24/2017	E-292-2010	9,796,774	Isolation Of VRC-PG-04 And VRC-PG-05, Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-specific Glycoprotein Probes To Identify HIV-1 Specific B-cells
	11/14/2017	E-226-2011	9,815,887	Chimpanzee/Human Chimeric Monoclonal Antibodies That Neutralize Norwalk Virus
	12/12/2017	E-089-2002	RE46,631	Dengue Tetravalent Vaccine Containing A Common 30 Nucleotide Deletion In The 3'-UTR Of Dengue Types 1,2,3, And 4, Or Antigenic Chimeric Dengue Viruses 1,2,3, And 4
	12/19/2017	E-089-2002	RE46641	Dengue Tetravalent Vaccine Containing A Common 30 Nucleotide Deletion In The 3'-UTR Of Dengue Types 1,2,3, And 4, Or Antigenic Chimeric Dengue Viruses 1,2,3, And 4
	12/19/2017	E-125-2008	9,845,350	Chimpanzee/Human Chimeric Monoclonal Antibodies That React With The Capsule Of Bacillus Anthracis And Kill The Organism By Opsonophagocytosis.
	12/26/2017	E-074-2011	9,850,468	A Wild-type Strain Of Genotype 3 Hepatitis E Virus, Its Cell Culture Adapted Progeny, Infectious cDNA Clones Of Each And A Cell Culture System Suitable For Studying Zoonotic Spread Of Hepatitis E
	1/2/2018	E-117-2013	9,856,313	A Monoclonal Antibody (5C4) With Potent Neutralizing Activity Against RSV Is Specific For A Structurally-defined Antigenic Site Uniquely Present On The RSV Prefusion F Protein

IC	Issue Date	Reference No.	Patent No.	Technology Title
	1/30/2018	E-018-2010	9,879,231	Plasmid Shuttle Vector For Insertion Of Foreign Genes Into Del LII Site Of Modified Vaccinia Virus Ankara (MVA) To Increase Stability Of Foreign Gene Expression In This Site
	2/6/2018	E-158-2007	9,884,104	Genome Sequence Analysis Of La Crosse Virus And In Vitro And In Vivo Phenotypes
	2/6/2018	E-285-2002	9,884,100	Full-length cDNA Sequences Coding for Secreted Proteins from the Salivary Glands of Lutzomyia Longipalpis Sand Flies
	2/13/2018	E-120-2013	9,890,369	Efficient Tumor Therapy By Anthrax Toxin Fusion Proteins That Contain Cytolethal Distending Toxin B
	2/20/2018	E-055-2007	9,896,509	Antagonists Of The Direct Interaction Between HIV Gp120 And Integrin
	4/10/2018	E-019-2018	9,937,196	Complete Sequence Of The Genome Of Avian Parayxovirus Type 2
	5/1/2018	E-080-2013	9,957,486	Genetically Stable Live Attenuated Vaccine For Respiratory Syncytial Virus (RSV) With Codon Pair Deoptimized And Codon Pair Optimized Elements
	5/15/2018	E-449-2013	9,968,693	Small Molecule Imaging Of Fungi By PET Scanning
	6/19/2018	E-136-2013	10,000,556	Norovirus Specific Nanobodies For Diagnostic And Therapeutic
	6/26/2018	E-103-2014	10,004,800	Antibody Evolution Immunogens
	7/10/2018	E-081-2013	10,017,543	Structure-based Stabilization Of The RSV F Glycoprotein In Its Prefusion Conformation
	7/31/2018	E-051-2012	10,035,844	Further Modifications To HIV Neutralizing Antibodies To Improve Function
	7/31/2018	E-300-2009	10,035,845	Isolation Of Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-Specific Glycoprotein Probes To Identify HIV-1 Specific B-Cells (VRC03) Isolation Of Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-Specific Glycoprotein Probes To Identify HIV-1 Specific B-Cells (VRC03)
	8/14/2018	E-253-2011	10,047,147	Method For Isolating And Producing Neutralizing Monoclonal Antibodies Without Prior Knowledge Of Specificity
	8/14/2018	E-253-2011	10,047,148	Method For Isolating And Producing Neutralizing Monoclonal Antibodies Without Prior Knowledge Of Specificity
	8/21/2018	E-123-2007	10,053,503	Chimpanzee Monoclonal Antibodies That Neutralize Lethal And Edema Factors Of Anthrax Toxin
	8/28/2018	E-070-2014	10,058,559	Use Of LRRK2 Inhibitor To Treat Ulcerative Colitis And Crohn's Disease
	8/28/2018	E-357-2001	10,058,602	West Nile Virus And Dengue Virus Chimeras For Use In A Live Virus Vaccine

IC	Issue Date	Reference No.	Patent No.	Technology Title
	10/16/2018	E-043-2010	10,100,346	Hepatitis C Virus (HCV) Genotype 3a (Strain S52) And Genotype 4a (Strain ED43) Full-Length Infectious Consensus CDNA Clones That, Following Intra-Hepatic Transfection Into Chimpanzees, Produce Viruses, And Uses Thereof In Basic Research, Drug Development And Vaccine Development
	11/20/2018	E-195-2014	10,130,700	Development Of A Polyvalent Viral Like Particle Vaccine To Provide Broad Protection Against Influenza A Viruses Of Different Subtypes
	11/27/2018	E-057-2011	10,138,277	Virus Like Particles (VLPs) And Method Of Use
	11/27/2018	E-145-2015	10,137,107	Substituted Phenylpyrrolicarboxamides With Therapeutic Activity In HIV
	11/27/2018	E-293-2011	10,137,190	Development Of Self-Assembling Ferritin Nanoparticles Expressing Hemagglutinin As An Influenza Vaccine
	12/25/2018	E-045-2015	10,160,795	Novel Monoclonal Antibodies To Ebolavirus Glycoprotein
	12/25/2018	E-139-2006	10,160,957	Development Of Dengue Virus Type 3 Vaccine Candidates Containing Either 1) Nucleotide Deletions In The 3'-UTR Of The Genome Consisting Of More Than 30 Contiguous Nucleotides In One Or Multiple Regions, Or 2) A 3'-UTR Derived From DEN4 And Containing The Delta30 Deletion
	12/25/2018	E-242-2014	10,160,802	A Monoclonal Antibody Against The N-terminal Portion Of The Circumsporozoite Protein Of Plasmodium Falciparum
	1/1/2019	E-029-2007	10,166,285	A Varicella-zoster Virus Mutant That Is Markedly Impaired For Latent Infection
	1/22/2019	E-007-2015	10,184,004	CD47-targeted Therapies For The Treatment Of Infectious Disease
	2/5/2019	E-099-2016	10,195,236	Use Of Roseomonas Species To Treat Eczematous Skin Disease
	2/19/2019	E-099-2016	10,206,957	Use Of Roseomonas Species To Treat Eczematous Skin Disease
	2/19/2019	E-158-2007	10,206,995	Genome Sequence Analysis Of La Crosse Virus And In Vitro And In Vivo Phenotypes
	3/12/2019	E-146-2004	10,227,395	Chimpanzee Monoclonal Antibody That Neutralizes Anthrax Protective Antigen (PA) Toxin
	4/2/2019	E-170-2013	10,246,505	Chimeric Antigen Receptor To Control HIV Infection: A Novel CD4-Based Env-Targeting Moiety With Enhanced Potency And No Potential To Confer Infection Permissiveness To Genetically Modified CDS T Cells
	4/16/2019	E-133-2012	10,258,682	Live -Attenuated Vaccine Against Multiple Sexually Transmitted Diseases
	4/30/2019	E-045-2015	10,273,288	Novel Monoclonal Antibodies To Ebolavirus Glycoprotein
	4/30/2019	E-202-2011	10,273,548	Improved Bacterial Host For Production Of Anthrax Toxin Proteins And Vaccines - Bacillus Anthracis, BH460

IC	Issue Date	Reference No.	Patent No.	Technology Title
	4/30/2019	E-242-2011	10,273,291	Isolation Of Novel Broadly Neutralizing Monoclonal Antibodies Against HIV-1 Using Epitope-specific Glycoprotein Probes To Identify HIV-1 Specific B-cells
	5/21/2019	E-099-2016	10,293,005	USE OF GRAM NEGATIVE SPECIES TO TREAT ATOPIC DERMATITIS
	5/28/2019	E-239-2014	10,301,377	Novel Vaccines And Monoclonal Antibodies Against Middle East Respiratory Syndrome Coronavirus (MERS-CoV)
	6/4/2019	E-135-2010	10,307,476	Genetically Stable Live Attenuated Vaccine For Respiratory Syncytial Virus (RSV) With An Attenuation And Temperature Sensitive Phenotype Conferred By An Amino Acid Deletion
	6/11/2019	E-285-2002	10,314,900	Full-length cDNA Sequences COding for Secreted Proteins from the Salivary Glands of Lutzomyia Longipalpis Sand Flies
	7/30/2019	E-066-2014	10,363,301	Development Of Modified Hemagglutinin Stem Nanoparticles To Elicit Broad Immune Response To Influenza
	8/6/2019	E-004-2009	10,369,208	Use Of Viral Like Particles (VLPs) In The Development Of A Preventive Vaccine Against Chikungunya
	8/20/2019	E-449-2013	10,383,960	Small Molecule Imaging Of Fungi By PET Scanning
	9/3/2019	E-178-2014	10,400,015	Self-Assembling Bi-component Nanoparticles For Display Of Co-assembled Trimeric Antigens
	9/17/2019	E-145-2015	10,413,527	Substituted Phenylpyrrolecarboxamides With Therapeutic Activity In HIV
	9/24/2019	E-031-2006	10,420,829	Vaccine Against Chlamydia Trachomatis Sexually Transmitted Diseases And Blinding Trachoma
	9/24/2019	E-248-2006	10,421,978	A Shuttle Plasmid, Recombinant MVA/HIV1 Clinical Vaccine Constructs And A Mechanism For Enhanced Stability Of Foreign Gene Inserts By Codon Alteration And For Insertion Of Foreign Gene Between Two Vaccinia Virus Essential Genes
	9/24/2019	E-260-2014	10,420,834	Structure-based Design Of A Fusion Glycoprotein Vaccine For Metapneumovirus
	10/8/2019	E-153-2015	10,434,116	Identification Of FDA Approved Molecules For The Treatment Of Middle East Respiratory Syndrome (MERS) Coronavirus (CoV)
	10/29/2019	E-357-2001	10,456,461	West Nile Virus And Dengue Virus Chimeras For Use In A Live Virus Vaccine
	12/10/2019	E-099-2016	10,500,238	USE OF GRAM NEGATIVE SPECIES TO TREAT ATOPIC DERMATITIS
	12/10/2019	E-120-2001	10,500,264	DEVELOPMENT OF MUTATIONS USEFUL FOR ATTENUATING DENGUE VIRUSES AND CHIMERIC DENGUE VIRUSES

IC	Issue Date	Reference No.	Patent No.	Technology Title
	12/10/2019	E-209-2016	10,501,528	Domain Antibody Against RSV F Protein
	12/10/2019	E-242-2014	10,501,534	A Monoclonal Antibody Against The N-terminal Portion Of The Circumsporozoite Protein Of Plasmodium Falciparum
	12/31/2019	E-147-2015	10,519,222	BROADLY NEUTRALIZING, CROSS REACTIVE ANTIBODIES TO HIV-1
	2/18/2020	E-131-2015	10,562,960	N6, A Novel, Broad, Highly Potent HIV-specific Antibody
	2/18/2020	E-158-2007	10,561,724	Genome Sequence Analysis Of La Crosse Virus And In Vitro And In Vivo Phenotypes
	3/3/2020	E-145-2015	10,576,059	Substituted Phenylpyrrolecarboxamides With Therapeutic Activity In HIV
	3/10/2020	E-154-2010	10,584,355	Filovirus Vaccines Based On Chimpanzee Adenoviral Vectors
	3/24/2020	E-140-2015	10,598,655	Antigens For Use In Loa Loa Microfilariae Diagnostics
	5/19/2020	E-099-2016	10,653,727	USE OF GRAM NEGATIVE SPECIES TO TREAT ATOPIC DERMATITIS
	5/19/2020	E-216-2014	10,655,109	Versions Of Respiratory Syncytial Virus (RSV) Vaccine Candidate LID Delta M2-2 With Increased Attenuation
	5/19/2020	E-241-2014	10,654,898	Improved RSV F Protein For Expression From A Heterologous Vector
	5/26/2020	E-136-2013	10,662,238	Norovirus Specific Nanobodies For Diagnostic And Therapeutic
	6/2/2020	E-099-2016	10,668,114	USE OF GRAM NEGATIVE SPECIES TO TREAT ATOPIC DERMATITIS
	6/16/2020	E-099-2016	10,682,379	Use Of Roseomonas Species To Treat Eczematous Skin Disease
	6/16/2020	E-281-2011	10,683,316	Synthetic Catalase/Superoxide Dismutase Mimetics For Viral Infections
	7/28/2020	E-007-2015	10,723,803	CD47-targeted Therapies For The Treatment Of Infectious Disease
	7/28/2020	E-139-2006	10,724,007	Development Of Dengue Virus Type 3 Vaccine Candidates Containing Either 1) Nucleotide Deletions In The 3'-UTR Of The Genome Consisting Of More Than 30 Contiguous Nucleotides In One Or Multiple Regions, Or 2) A 3'-UTR Derived From DEN4 And Containing The Delta30 Deletion
	8/18/2020	E-531-2013	10,744,199	Development Of Nanoparticle-based Epstein-Barr Virus Vaccines
	9/1/2020	E-064-2015	10,759,838	Therapeutic Multivalent Toleragen MPMt (MMPt) For Treatment Multiple Sclerosis Disease
	9/1/2020	E-239-2014	10,759,846	Novel Vaccines And Monoclonal Antibodies Against Middle East Respiratory Syndrome Coronavirus (MERS-CoV)
	10/13/2020	E-185-2015	10,799,580	Adjuvant Pro-drug Platform For Gene Delivery And Spatiotemporal Control Over Immune Activation
	10/20/2020	E-102-2016	10,808,011	A New Method To Produce Stabilized HIV-1 Envelope Immunogens In A Fully Closed Native Conformation

IC	Issue Date	Reference No.	Patent No.	Technology Title
	10/20/2020	E-297-2016	10,808,012	Improved Codon-pair-deoptimized Vaccine Candidates For Human Respiratory Syncytial Virus
	10/27/2020	E-051-2012	10,815,295	Further Modifications To HIV Neutralizing Antibodies To Improve Function
	11/17/2020	E-089-2002	10,837,003	Dengue Tetravalent Vaccine Containing A Common 30 Nucleotide Deletion In The 3'-UTR Of Dengue Types 1,2,3, And 4, Or Antigenic Chimeric Dengue Viruses 1,2,3, And 4
	11/17/2020	E-256-2015	10,835,593	Tumor Targeting Toxin Variants Having Specificity For The Tumor Vasculature Marker CMG2
	12/1/2020	E-032-2011	10,849,975	Live-Attenuated Or Inactivated Bivalent Vaccines That Confer Dual Protection Against Rabies And Ebola Viruses
	12/1/2020	E-103-2014	10,849,970	Antibody Evolution Immunogens
	12/8/2020	E-081-2013	10,858,400	Structure-based Stabilization Of The RSV F Glycoprotein In Its Prefusion Conformation
	12/22/2020	E-145-2015	10,869,856	Substituted Phenylpyrrolecarboxamides With Therapeutic Activity In HIV
	12/22/2020	E-357-2001	10,869,920	West Nile Virus And Dengue Virus Chimeras For Use In A Live Virus Vaccine
	1/26/2021	E-181-2016	10,899	Development Of Gene-based And Viral Like Particle (VLP) Zika Virus(ZIKV) Vaccines
	3/16/2021	E-099-2016	10,946,048	Use Of Roseomonas Species To Treat Eczematous Skin Disease
	3/16/2021	E-099-2016	10,946,049	Use Of Roseomonas Species To Treat Eczematous Skin Disease
	3/23/2021	E-037-2016	10,953,083	Attenuated RSV Vaccine Strains In Which The NS1 And/or NS2 Genes Have Been Shifted To Promoter-distal Positions
	3/30/2021	E-234-2016	10,960,070	Stabilized Coronavirus Proteins For Vaccination
	3/30/2021	E-270-2015	10,961,283	Self-assembling Bi-component Nanoparticles For Display Of Coassembled Trimeric Antigens
	4/20/2021	E-135-2010	10,980,872	Genetically Stable Live Attenuated Vaccine For Respiratory Syncytial Virus (RSV) With An Attenuation And Temperature Sensitive Phenotype Conferred By An Amino Acid Deletion
NIAMS	6/12/2007	E-353-2001	7,229,963	Methods Of Using Deacetylase Inhibitors As Tools To Promote Cell Differentiation And Regeneration
	9/14/2010	E-353-2001	7,795,208	Methods Of Using Deacetylase Inhibitors As Tools To Promote Cell Differentiation And Regeneration



IC	Issue Date	Reference No.	Patent No.	Technology Title
	9/17/2013	E-210-2009	8,536,148	Disabling Autophagy By Genetic Inactivation In Skeletal Muscle Permits Near Complete Clearance B Enzyme Replacement Therapy (ERT) Of Stored Glycogen From Skeletal Muscle In A Mouse Model Of The Lysosomal Storage Disease, Acid A-glycosidase Deficiency (Pompe Disease)
	2/18/2014	E-224-2010	8,652,458	A Nanofibrous Conduit Seeded With Muscle-derived Mesenchymal Progenitor Cells As Trophic Mediators For Peripheral Nerve Regeneration.
	4/29/2014	E-042-2005	8,709,793	Mechanoactive Microfluidic Imaging Bioreactor
	6/30/2015	E-073-2011	9,068,003	Monoclonal Anti-mouse And Anti-human TL1A Antibodies For Diagnostic And Therapeutic Uses
	5/23/2017	E-216-2010	9,657,292	Autoreactive IgE Antibodies Are Pathological In Lupus Nephritis: Potential Use Of Anti-IgE In Treatment Of Lupus Nephritis
	2/20/2018	E-073-2011	9,896,511	Monoclonal Anti-mouse And Anti-human TL1A Antibodies For Diagnostic And Therapeutic Uses
	7/10/2018	E-216-2010	10,017,762	Autoreactive IgE Antibodies Are Pathological In Lupus Nephritis: Potential Use Of Anti-IgE In Treatment Of Lupus Nephritis
	3/17/2020	E-073-2011	10,590,201	Monoclonal Anti-mouse And Anti-human TL1A Antibodies For Diagnostic And Therapeutic Uses
NICHD	6/2/2009	E-020-2004	7,541,182	In Vitro Test To Detect Risk Of Pre-eclampsia
	12/1/2009	E-040-2005	7,625,736	Additional Methods For Preparing Conjugates Of Poly-gamma-D-glutamate Acid (PGA) From Bacillus Anthracis Or Synthetic PGA Peptides Bound To Proteins
	7/27/2010	E-023-2002	7,763,451	Methods for Preparing Bacillus Anthracis Protective Antigen For Use In Vaccines (including use of BH445)
	9/7/2010	E-155-2009	7,790,463	PREGNANCY BIOMARKER PROFILES, METHODS AND COMPOSITIONS RELATED THERETO
	9/28/2010	E-343-2002	7,803,386	Poly-Y-D-Glutamic Acid Capsule (PGA)-Bacillus Anthracis Protective Antigen Conjugate Vaccine, Poly-y-D-Glutamic Acid Capsule (PGA)...
	12/7/2010	E-027-2006	7,847,078	Identification Of Inactivating Mutations Of The PDE11A Gene In A Form Of Micronodular Adrenocortical Hperplasia, An Inherited Form Of Cushing Syndrome
	10/25/2011	E-023-2002	8,044,189	Methods for Preparing Bacillus Anthracis Protective Antigen For Use In Vaccines (including use of BH445)

IC	Issue Date	Reference No.	Patent No.	Technology Title
	7/9/2013	E-040-2005	8,481,048	Additional Methods For Preparing Conjugates Of Poly-gamma-D-glumate Acid (PGA) From Bacillus Anthracis Or Synthetic PGA Peptides Bound To Proteins
	7/30/2013	E-098-2008	8,497,122	Plasma Oxysterols As A Biomarker For Niemann-Pick Disease, Type C
	4/22/2014	E-023-2002	8,703,150	Methods for Preparing Bacillus Anthracis Protective Antigen For Use In Vaccines (including use of BH445)
	8/5/2014	E-183-2005	8,795,680	New Methods For Conjugation Of Bacterial Lipoligosaccharides To Protein Carriers Through Oxime And Hydrazone Linkages
	3/24/2015	E-167-2009	8,987,246	Cholesterol Therapy For Autistic Spectrum Disorder
	4/21/2015	E-098-2008	9,012,216	Plasma Oxysterols As A Biomarker For Niemann-Pick Disease, Type C
	3/15/2016	E-120-2015	9,283,233	Method For On-demand Contraception
	4/11/2017	E-120-2015	9,616,073	Method For On-demand Contraception
	4/25/2017	E-157-2011	9,629,816	Small Molecules (Derivatives Of Hydroxylamine) As Therapeutic Agents For Disorders Caused By Thioesterase Deficiency
	5/9/2017	E-552-2013	9,644,216	The Enhancer Elements Upstream Of The Human G6PC Minimal Promoter Are Necessary For Efficient Hepatic G6PC Expression
	5/23/2017	E-016-2013	9,658,233	Use Of High-sensitivity Assay To Measure Midkine Levels In Tissue From A Fine Needle Biopsy In Order To Distinguish Benign From Malignant Thyroid Nodules
	5/30/2017	E-016-2013	9,664,682	Use Of High-sensitivity Assay To Measure Midkine Levels In Tissue From A Fine Needle Biopsy In Order To Distinguish Benign From Malignant Thyroid Nodules
	10/30/2018	E-552-2013	10,113,183	The Enhancer Elements Upstream Of The Human G6PC Minimal Promoter Are Necessary For Efficient Hepatic G6PC Expression
	12/25/2018	E-120-2015	10,159,681	Method For On-demand Contraception
	6/18/2019	E-003-2014	10,323,083	Human Monoclonal Antibody Fragments For Targeting Therapeutics To Growth Plate Cartilage
	7/16/2019	E-039-2016	10,350,273	Method For Treatment Of Disorders Of Growth, Puberty And Appetite Regulation Using Antagonists And Agonists Of The Orphan G-protein Coupled Receptor (GPCR), GPR101
	9/17/2019	E-039-2015	10,415,044	Evaluation Of The Efficacy Of Human G6PC Constructs
	3/23/2021	E-003-2014	10,954,291	Human Monoclonal Antibody Fragments For Targeting Therapeutics To Growth Plate Cartilage

IC	Issue Date	Reference No.	Patent No.	Technology Title
	4/27/2021	E-062-2015	10,988,778	Codon-optimized Reduced-size ATP7A Complementary DNA For Treatment Of Menkes Disease And Related Copper Transport Disorders
NIDA	6/16/2009	E-134-2006	7,547,712	A Vaccine That Reduces The Potential For Nicotine Toxicity To The (Human) Fetus During Pregnancy
	4/7/2015	E-044-2012	8,999,927	Novel GDNF Isoforms And Cis-antisense GDNFOS Gene
	11/24/2015	E-286-2015	9,193,739	Induction Of Highly Specific Antibodies To A Hapten But Not To A Carrier Peptide By Immunization
NIDCD	1/1/2008	E-169-2001	7,314,725	Phenylthiocarbamide (PTC) Taste Receptor
	4/7/2009	E-344-2002	7,514,529	Development of Peptide Minotopes of Lipoligosaccharide From Nontypeable Haemophilus Influenza As Vaccine Candidates
	8/25/2009	E-222-2003	7,579,453	Human Bitter Taste Receptor Variants
	2/9/2010	E-168-2001	7,659,115	Transduction-1 And Transductin-2 And Applications to Hereditary Deafness
	2/23/2010	E-169-2001	7,666,601	Phenylthiocarbamide (PTC) Taste Receptor
	4/3/2012	E-169-2001	8,148,082	Phenylthiocarbamide (PTC) Taste Receptor
	11/13/2012	E-222-2003	8,309,701	Human Bitter Taste Receptor Variants
	9/10/2013	E-084-2009	8,530,167	Diagnostic And Therapeutic Uses Of GNPTAB, GNPTG, And NAGPA In Stuttering
	8/5/2014	E-099-2005	8,796,441	Human Sweet And Umami Taste Receptor Variants
	10/10/2017	E-222-2003	9,783,590	Human Bitter Taste Receptor Variants
NIDCR	8/28/2007	E-268-2002	7,261,900	Creation of a Stable Recombinant Protective Antigen (rPA) Molecule By Deletions of the Chymotrypsin-Sensitive Loop and the Furin-Cleavage...
	7/22/2008	E-015-2002	7,402,400	Mammals Sweet Taste receptors
	12/2/2008	E-229-2004	7,459,277	Mammalian T1R3 Sweet Taste Receptors
	3/24/2009	E-015-2002	7,507,793	Mammals Sweet Taste receptors
	9/15/2009	E-015-2002	7,588,900	Mammals Sweet Taste receptors
	11/30/2010	E-015-2002	7,842,786	Mammals Sweet Taste receptors
	5/10/2011	E-229-2004	7,939,279	Mammalian T1R3 Sweet Taste Receptors
	7/12/2011	E-015-2002	7,977,060	Mammals Sweet Taste receptors
	6/12/2012	E-015-2002	8,198,048	Mammals Sweet Taste receptors
	10/9/2012	E-179-2005	8,283,151	Isolation, Cloning, And Characterization Of Novel Adeno-associated Virus Serotypes
	3/12/2013	E-268-2002	8,394,387	Creation of a Stable Recombinant Protective Antigen (rPA) Molecule By Deletions of the Chymotrypsin-Sensitive Loop and the Furin-Cleavage...

IC	Issue Date	Reference No.	Patent No.	Technology Title
	6/25/2013	E-015-2002	8,470,970	Mammalians Sweet Taste receptors
	10/1/2013	E-233-2007	8,545,888	Identification, Preparation And Utilization Of Tendon Stem/progenitor Cells And The Use Of Small Leucine-rich Proteoglycans To Control Their Fate
	7/22/2014	E-018-2009	8,785,414	Differentially Expressed MicroRNAs From Minor Salivary Glands
	8/19/2014	E-194-2010	8,808,684	Identification Of EGFR As A Receptor For AAV6 Transduction
	1/6/2015	E-036-2010	8,926,989	Simple, Quantitative, And Highly Sensitive Antibody Detection For Lyme Disease
	1/6/2015	E-105-2003	8,927,269	Cloning And Characterization Of An Avian Adeno-Associated Virus And Uses Thereof
	2/10/2015	E-063-2009	8,951,723	Serological Screening For HHV-8 Infection Using Antigen Mixtures
	10/6/2015	E-300-2008	9,151,762	Identification Of DSG3 As A Biomarker For The Detection Of Occult Metastasis In Sentinel Lymph Nodes
	11/3/2015	E-018-2003	9,175,264	Isolation Of Multipotent Post-Natal Stem Cells From Exfoliated Human Primary (Baby) Teeth
	12/15/2015	E-033-2004	9,210,925	Multipotent Postnatal Stem Cells From Human Periodontal Ligament
	1/19/2016	E-105-2003	9,238,800	Cloning And Characterization Of An Avian Adeno-Associated Virus And Uses Thereof
	4/12/2016	E-036-2010	9,310,367	Simple, Quantitative, And Highly Sensitive Antibody Detection For Lyme Disease
	5/24/2016	E-015-2002	9,347,935	Mammalians Sweet Taste receptors
	9/13/2016	E-194-2010	9,439,979	Identification Of EGFR As A Receptor For AAV6 Transduction
	12/6/2016	E-142-2011	9,511,103	Treatment Of Diabetes By Expression Of A Novel NGF/exendin-4 Fusion Protein From The Salivary Gland Epithelia
	6/20/2017	E-018-2003	9,682,107	Isolation Of Multipotent Post-Natal Stem Cells From Exfoliated Human Primary (Baby) Teeth
	12/5/2017	E-232-2011	9,833,519	Diagnosis And Treatment Of Sjogren's Syndrome By Detection And Alteration Of BMP6 Levels Of Expression Locally In The Salivary Gland
	6/5/2018	E-485-2013	9,987,330	Nppb Is A Transmitter Of Itch Sensation
	8/14/2018	E-033-2004	10,046,012	Multipotent Postnatal Stem Cells From Human Periodontal Ligament
	9/25/2018	E-097-2015	10,081,659	Genetically Engineered AAV5 Vectors For Enhanced Transduction And Reduced Antibody Neutralization
	1/1/2019	E-139-2011	10,166,299	Treatment Of Autoimmune Xerostomia By AAV2 Mediated Gene Transfer Of Aquaporin 1 To Salivary Gland Epithelia

IC	Issue Date	Reference No.	Patent No.	Technology Title
	1/8/2019	E-619-2013	10,172,911	Use Of A Specific AVPR1B Agonist To Stimulate (or Antagonists To Inhibit) Erythropoiesis In Humans In Case Of Anaemia Or Polycythemia
	5/28/2019	E-142-2011	10,300,095	Treatment Of Diabetes By Expression Of A Novel NGF/exendin-4 Fusion Protein From The Salivary Gland Epithelia
	2/18/2020	E-190-2015	10,564,152	Methods Of Using Neodymium Magnet For Rapid Diagnosis Of Infectious And Autoimmune Diseases
	3/10/2020	E-485-2013	10,583,173	Nppb Is A Transmitter Of Itch Sensation
	3/10/2020	E-736-2013	10,584,387	Hepatitis Delta Virus Detected In Sjogren's Syndrome Salivary Glands
	12/15/2020	E-232-2011	10,864,285	Diagnosis And Treatment Of Sjogren's Syndrome By Detection And Alteration Of BMP6 Levels Of Expression Locally In The Salivary Gland
	3/9/2021	E-152-2017	10,940,241	Generation Of Stable Hyaline Cartilage In Vivo By Transplantation Of Human Bone Marrow Stromal Cells With Fibrin Microbeads
NIDDK	2/27/2007	E-064-2004	7,183,254	The Use Of Leptin For Treating Human Lipotrophy
	7/7/2009	E-166-2001	7,557,196	HGC-1 A Gene Encoding a Member of The Olfactomedin-Related Protein Family
	8/9/2011	E-141-2003	7,993,647	Monoclonal Antibody-based Methodologies For The Detection And Quantification Of The HIV-1 Accessory Protein Vpr In Biological Samples
	11/27/2012	E-064-2004	8,318,666	The Use Of Leptin For Treating Human Lipotrophy
	4/28/2015	E-125-2010	9,018,227	Phantasmidine As A Nicotinic Receptor Agonist With Altered Selectivity Relative To Epibatidine
	6/21/2016	E-109-2009	9,371,357	Peptide Inhibitor Of HIV-1 Integrase
	2/27/2018	E-125-2010	9,902,734	Phantasmidine As A Nicotinic Receptor Agonist With Altered Selectivity Relative To Epibatidine
NIEHS	11/28/2006	E-170-2000	7,141,661	A Non-Steroidal Anti-Inflammatory Drug Related Gene (NAG-1) And Secreted Protein That Has Anti-Tumorigenic Properties
	8/30/2011	E-163-2002	8,008,463	Compositions And Methods For Diagnostics And Therapeutics For Hydrocephalus
	1/3/2012	E-130-2004	8,088,787	The Discovery And Identification For New Therapeutics Indications, Novel Compounds With Ultra-low Dose (femto-molar) For The Treatment And Prevention Of Neurodegenerative Or Inflammation-associated Diseases.
	11/13/2012	E-057-2005	8,309,313	Novel Glycated Peptides And Proteins To Serve As Biomarkers For Diabetes Control

IC	Issue Date	Reference No.	Patent No.	Technology Title
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	12/15/2015	E-012-2011	9,211,302	Lrch4 As A Therapeutic Target For Sepsis And Inflammatory Diseases
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	8/1/2017	E-080-2012	9,717,752	Use Of Antagonists Of Hyaluronan Signaling For Treatment Of Airway Inflammation And Hyperresponsiveness
NIMH	7/15/2008	E-002-2004	7,399,753	Trans-Splicing Mediated Photodynamic Therapy
	9/14/2010	E-034-2008	7,795,033	METHODS TO PREDICT THE OUTCOME OF TREATMENT WITH ANTIDEPRESSANT MEDICATION
	2/22/2011	E-043-1997	7,892,786	Complex Media And Low Temperature Are Essential For Production Of Bivalent Immunotoxin In Pichia Pastoris
	10/1/2013	E-294-2005	8,548,786	A Neuronal Avalanche Size (NAS) Assay To Screen For Cognitive Enhancers And Anti-Epileptics
	12/30/2014	E-043-1997	8,921,097	Complex Media And Low Temperature Are Essential For Production Of Bivalent Immunotoxin In Pichia Pastoris
	3/24/2015	E-044-1997	8,987,426	NOVEL IMMUNOTOXINS AND METHODS OF INDUCING IMMUNE TOLERANCE
	4/26/2016	E-274-2015	9,321,820	DT390-EGF Fusion Protein For Treatment Of EGF Receptor Positive Cancers
	6/14/2016	E-268-2007	9,364,557	A Fold-back Diabody Format For Diptheria Toxin Based Immunotoxins That Can Increase Binding And Potency With Particular Application To An Anti-prostratic Cancer Immunotoxin A-dmDT390scfbDb(591)
	10/31/2017	E-448-2013	9,804,171	Antineuronal Antibodies In Pediatric Acute Neurologic Syndrome For Diagnosis And Treatment
	3/12/2019	E-448-2013	10,228,376	Antineuronal Antibodies In Pediatric Acute Neurologic Syndrome For Diagnosis And Treatment
	11/3/2020	E-345-2013	10,820,817	Monitoring The Effects Of Sleep Deprivation Using Neuronal Avalanches
NINDS	8/21/2007	E-143-2002	7,258,859	Zenapax (Humanized Antibody Against The IL-2 Receptor Alpha Chain) As A Novel Treatment For Multiple Sclerosis
	5/13/2008	E-202-2002	7,371,225	METHOD FOR CONVECTION ENHANCED DELIVERY OF THERAPEUTIC AGENTS
	8/18/2009	E-143-2002	7,575,742	Zenapax (Humanized Antibody Against The IL-2 Receptor Alpha Chain) As A Novel Treatment For Multiple Sclerosis

IC	Issue Date	Reference No.	Patent No.	Technology Title
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	12/14/2010	E-014-2006	7,851,143	In-vitro Assay To Screen For Enhancement Of Mutated Alpha-galactosidase A (GLA) By Small Molecules Chaperones For Fabry Disease
	10/30/2012	E-143-2002	8,298,525	Zenapax (Humanized Antibody Against The IL-2 Receptor Alpha Chain) As A Novel Treatment For Multiple Sclerosis
	6/4/2013	E-143-2002	8,454,965	Zenapax (Humanized Antibody Against The IL-2 Receptor Alpha Chain) As A Novel Treatment For Multiple Sclerosis
	12/3/2013	E-144-2010	8,597,660	Therapeutic Approach To Neurodegenerative Disorders Using A TFP5-peptide
	1/28/2014	E-143-2002	8,636,997	Zenapax (Humanized Antibody Against The IL-2 Receptor Alpha Chain) As A Novel Treatment For Multiple Sclerosis
	4/7/2015	E-014-2006	9,000,011	In-vitro Assay To Screen For Enhancement Of Mutated Alpha-galactosidase A (GLA) By Small Molecules Chaperones For Fabry Disease
	4/25/2017	E-088-2012	9,631,243	Multiplex Polymerase Chain Reaction That Detects Presence Of Viral DNA And Distinguishes Pathogenic From Non-pathogenic Genotypes
	7/31/2018	E-547-2013	10,036,020	Anti-JC Virus Antisense Cocktail
	4/16/2019	E-235-2014	10,261,098	Immune Cell Biomarkers For Diagnosis And Management Of Neuro-immunological Diseases
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NINR	12/3/2013	E-280-2010	8,597,883	Fatigue Polymerase Chain Reaction Chip
	12/1/2015	E-023-2010	9,200,322	A Gene Expression Biomarker Panel For Diagnosis Of Acute Ischemic Stroke
	6/20/2017	E-349-2013	9,683,263	Altered Expressions Of Micro Ribonucleic Acid (miRNA) And Messenger RNA Species For Phenotype Identification And Therapy In Digestive And Liver Disorders
NLM	8/25/2015	E-107-2010	9,115,386	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
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	11/14/2017	E-107-2010	9,816,986	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	7/24/2018	E-107-2010	10,031,131	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	8/7/2018	E-107-2010	10,041,938	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	6/18/2019	E-107-2010	10,323,269	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	7/2/2019	E-107-2010	10,337,053	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	10/15/2019	E-107-2010	10,443,091	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS



<b>IC</b>	<b>Issue Date</b>	<b>Reference No.</b>	<b>Patent No.</b>	<b>Technology Title</b>
	11/5/2019	E-107-2010	10,465,234	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	12/17/2019	E-107-2010	10,508,301	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	1/14/2020	E-107-2010	10,533,213	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	4/7/2020	E-107-2010	10,612,076	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	8/4/2020	E-107-2010	10,731,204	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	9/8/2020	E-107-2010	10,767,216	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	9/15/2020	E-107-2010	10,774,373	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS
	10/6/2020	E-107-2010	10,793,899	SELECTIVE OXIDATION OF 5-METHYLCYTOSINE BY TET -FAMILY PROTEINS