

## PHARMACEUTICALS & BIOLOGICS

<b>FANC:</b> Potentiating Melphalan in Multiple Myeloma by Targeting the Fanconi Anemia/BRCA Resistance Pathway	03B097
<b>VEGF/PDGF:</b> Orally Bioavailable Small Molecule that Binds VEGF or PDGF for the Treatment of Cancer or Age-Related Macular Degeneration	03B114
<b>RhoB:</b> Variants for the Suppression of Malignancy	04B102
<b>STAT3:</b> Enhancing Immune Response to Tumor Cells	04B112
<b>MRP1:</b> Compounds for Treating Multidrug Resistance	04MA001
<b>Raf/Mek/P-Erk:</b> Inhibition of the Raf-1/Mek-1/Erk1/2 Pathway by the Beta-2-Adrenergic Receptor Agonist Pirbuterol	05B072
<b>Src, Abl:</b> Dasatinib on Drug-Eluting Stents for the Prevention and Treatment of Restenosis and Stenosis	05B111N
<b>Rb/Raf:</b> Orally active disruptors of the Rb/Raf-1 binding interaction	05B126
<b>Shp2:</b> Indoline Scaffold Protein Tyrosine Phosphatase Inhibitors	06A038
<b>BCR-ABL:</b> Vorinostat co-treatment enhances dasatanib efficacy in CML	06B078N
<b>Rho Kinase:</b> Inhibitors as Novel Anti-Cancer Agents	06B134
<b>Glut-1:</b> Glucose Transporter Inhibitor Antibodies	07B083
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<b>Topoisomerase II:</b> Inhibitors of Nuclear Export of Topoisomerase II Alpha	08MB014
<b>Aurora:</b> Aurora A Kinase Inhibitors	09MA037
<b>pH:</b> Inhibition of Metastasis with Systemic Non-volatile Buffers	09MB048
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<b>FT/GGT:</b> Farnesyltransferase/ Geranylgeranyltransferase Dual Inhibitor	10MB048
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<b>HDAC6:</b> Novel Small Molecule Histone Deacetylase 6 Inhibitor with a Substituted Aryl Urea Cap Group	12MA030
<b>Mcl-1/Bcl-xL:</b> Cyclic, Symmetrical and Asymmetrical Marinopyrroles as Anti-Cancer Agents	12MA035N
<b>CDC25C/PP2A/Lenalidomide:</b> Conjugate Therapeutic with CpG, siRNAs, and Lenalidomide to Treat non-del(5q) MDS	12MB075N
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<b>Anti-infectives:</b> Symmetrical Synthetic Marinopyrroles as anti-MRSA Therapeutics	12MB110
<b>BRD4 JAK2:</b> Novel BRD4/JAK2 Dual Inhibitors as Cancer Therapeutics	14MB069
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<b>WEE1:</b> Small molecule WEE1 inhibitor to treat cancer that inhibits WEE1 phosphorylation of H2B but not Cdc2	14MB092N
<b>Ras:</b> Inhibitors of the Binding of GTP to Oncogenic Mutant K-Ras	15MA011

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DIAGNOSTICS, VACCIINES,  
 CELL THERAPIES, DEVICES,  
 TOOLS, SOFTWARE

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## PHARMACEUTICALS & BIOLOGICS (cont.)

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<b>β-catenin/BCL-9:</b> Small molecule inhibitors of the interaction of β-catenin and BCL-9	17MA014
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<b>Vaccine:</b> Vaccines Using Synthetic Peptide-Poly IC Complexes that Elicit T-cell Responses Comparable to Live Vaccination	11MA013
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<b>TAG72:</b> CAR-T cell constructs (chimeric antigen receptors) that Recognize TAG72	16MB057
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<b>TIM3:</b> CAR-T cell constructs (chimeric antigen receptors) that Recognize TIM3 to treat AML	17MA008
<b>TILs:</b> Rapid method for culture of TILs from core needle biopsies of solid tumors	17MA012N
<b>CD33:</b> CAR-T cell constructs (chimeric antigen receptors) that Recognize CD33 to Treat AML	17MA030
<b>CD123:</b> CAR-T cell constructs (chimeric antigen receptors) that Recognize CD123 to Treat AML	17MA031

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<b>Protein Signature:</b> Discriminating Common Adenocarcinomas	05A014
<b>Genetic Signature:</b> Metastatic Melanoma Stage Identification	06B073
<b>Plasma Protein Biomarker:</b> Diagnosis of Ovarian Cancer	06B098
<b>Protein Biomarker:</b> Predicting Response to Immunosuppression in MDS	07A056
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<b>Protein Biomarker/Genetic Signature:</b> Diagnostic for the Classification of Carcinomas of Unknown Primary Site (CUP)	10MA009
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<b>Molecular Imaging Probe:</b> Non-invasive Detection of Breast Cancer in Lymph Nodes	10MA024
<b>Molecular Imaging Probe:</b> Fluorescent and MRI Targeted Probes for the Melanocortin Receptor 1 on Melanomas, and Micelle Complexes for Drug Delivery	10MB069N

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## DIAGNOSTICS (cont.)

<b>Genetic Signature:</b> CREB Pathway Gene Signature to Determine which Ovarian Cancer Patients would have a Survival Benefit from Optimal Surgical Debulking	11MA006
<b>Protein Diagnostic:</b> Protein-Protein Interaction (PPI) Biomarkers	11MA014
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<b>Genetic Signature:</b> Method of Detecting MDS Using hTERT Activity	11MB061N
<b>Molecular Imaging Probe:</b> Intraoperative Detection of Pancreatic Cancer Using Targeted Fluorescent Probes	11MB064
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<b>Protein Signature:</b> Method of Diagnosing Chronic Lymphocytic Leukemia	11MB072N
<b>Protein Diagnostic:</b> Mass Spectrometry Diagnostic for BRAF and Heat Shock Proteins	11MB087N
<b>Genetic Signature:</b> Five Gene Signature Predicts Overall and Recurrence-Free Survival in NSCLC	12MA023N
<b>Genetic Signature:</b> TGF $\beta$ response Signature in Non-Small Cell Lung Carcinoma	12MA029N
<b>Genetic Signature:</b> O-glycan Pathway Gene Signature to Determine which Ovarian Cancer Patients would have a Survival Benefit from Optimal Surgical Debulking	12MA034
<b>Genetic Signature:</b> Determining Prostate Cancer Recurrence Using Polymorphisms In Angiogenesis Genes	12MA045
<b>Molecular Imaging Probe:</b> Probes for Lung Cancer Intraoperative Guidance	12MA050N
<b>Genetic Signature:</b> E2F/Rb pathway signature to predict patient benefit from adjuvant chemo in NSCLC	12MA069
<b>Molecular Imaging Probe:</b> A Novel $^{18}\text{F}$ Scaffold for Preparing Targeted PET Imaging Probes	12MB104
<b>Protein Diagnostic:</b> Phosphorylated STAT3 Protein as a Biomarker of Graft Versus Host Disease	13MA002
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<b>Genetic Signature:</b> Predicting Recurrence and Benefit From Adjuvant Chemotherapy in Colorectal Cancer	13MA036
<b>Cell Imaging:</b> Apparatus and Method for Selecting Cancer Treatment Regimens for Multiple Myeloma	13MB048N
<b>Molecular Imaging:</b> Texture Feature Analysis of Low-Dose CT Images for Pulmonary Nodule Diagnosis	13MB054
<b>Molecular Imaging:</b> Novel Imaging Software Diagnostic to Determine Survival in Glioblastoma	13MB055
<b>Molecular Imaging:</b> Novel PET Probes of Radiofluorinated Carboximidamides for IDO-Targeted Imaging	13MB056N
<b>miRNA Diagnostic:</b> Blood Based microRNA Assay to Detect Malignant Intraductal Papillary Mucinous Neoplasms (IPMNs)	13MB078
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<b>Genetic Signature:</b> Predicting Distant Metastasis in Stage I Lung Cancer Patients Treated with Surgery	14MA008
<b>Genetic Signature:</b> Predicting Loco-regional Recurrence in Stage I-II Lung Cancer Following Surgery	14MA014N
<b>Genetic Signature:</b> Microarray-based Gene Expression Profiling to Predict Tumor Sensitivity to Radiotherapy	14MA052N
<b>Molecular Imaging:</b> Monoacylated TLR2 Ligand Fluorescent Probe for Detection and Tumor Removal in Pancreatic Cancer Patients	15MA015

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## DIAGNOSTICS (cont.)

<b>Diagnostic:</b> Intracellular S100A9 Alone or NLRP3 Inflammasome Activation May Be Specific Biomarkers for MDS	15MA021N
<b>Diagnostic:</b> S100A9 Serum Concentration Levels Predict Lenalidomide Response Duration	15MA031N
<b>Diagnostic:</b> 18F-FDG in Red Blood Cells as an Alternative to the MUGA Scan	15MB042N
<b>Protein Biomarker:</b> Diagnostic for Progression of MDS to AML Using PD-1 or PD-L1 Expression	15MB065
<b>Genetic Signature:</b> Diagnostic to Distinguish Lung Carcinoma from Metastatic Head & Neck Carcinoma	16MB040
<b>Diagnostic:</b> Measuring MRE11 in Muscle-Invasive Bladder Cancer to Predict Chemoradiation Response Using AQUA	16MB041
<b>Protein Biomarker:</b> Predicting Restoration of Sensitivity to Erythropoietin in MDS Patients treated with Lenalidomide	16MB042
<b>Molecular Imaging Probe:</b> Novel IDO1-Targeting Cancer Diagnostic PET Imaging Agent	16MB044
<b>miRNA Diagnostic:</b> Signature to Predict Progression of Barrett's Esophagus to Esophageal Dysplasia or Adenocarcinoma	16MB066

## DEVICES, TOOLS & SOFTWARE

<b>Med Device:</b> Objective Imaging Reference Standards	07A049
<b>Med Device:</b> Ventana Inline Dispenser Float Mechanism	09MB053
<b>Med Device:</b> Handheld Radioisotope Identification Device (RIID)	10MB054
<b>Med Device:</b> Muscle Stapler	10MB065N
<b>Med Device:</b> Pump-assisted High Flow Rate Isolated Limb Infusion for Regional Cancer Treatment	11MB017N
<b>Med Device:</b> Minimally Invasive Spinal Fusion Using a Transdiscal Screw System	11MA021
<b>Med Device:</b> Vascular Stent for Anastomosis	12MA054N
<b>Med Device:</b> Arterial Line Catheter Modification	12MA067
<b>Med Device:</b> Improved Enteral Feeding Tube and Retention Disc to Reduce Dislodgement, Infection and Complications	13MA001
<b>Med Device:</b> Improved Orogastric Tube Guide	13MA030
<b>Med Device:</b> Improved Pigtail Drainage Catheter for Percutaneous Fluid Aspiration	15MA034
<b>Med Device:</b> Safety Catheter with Needle and Blood Exposure Prevention Systems	15MB064
<b>Med Device:</b> Novel Endotracheal Tube Intubating Stylet	16MA021
<b>Med Device:</b> Anesthesia Intra-oral Monitoring System (AIMS) (Replacement for the Nasal Cannula)	16MB046
<b>Research Tool:</b> Novel Electroporation Buffer Formulation for Enhanced Efficiency and Viability	05B141
<b>Software:</b> Method for Improved Detection of Lung Function and Management of Lung Cancer Radio Therapy	10MA037N
<b>Software:</b> Method for Improving the Accuracy of Charged Particle Beam Radiotherapy	12MB072
<b>Software:</b> Automated Technique for Generating BIRADS Scores from Mammograms	13MA025
<b>Software:</b> A Quantitative Framework to Identify Radiation Targets for Cancer Treatment that Synergize with Immunotherapy (Abscopal Effect)	14MA022
<b>Software:</b> Negative Information Storage Model for Genomic Data	15MA033

