Appendix C:
U.S. Patents Resulting From NCI-Funded Research on Breast Cancer, 1998-2003

Pending as of 2003[1]

Alpha-fetoprotein peptides and uses thereof	Serial No.: 20030170752
Basal cell markers in breast cancer and uses thereof	Serial No.: 20030086934
Beta-catenin is a strong and independent prognostic factor for cancer	Serial No.: 20030064384
Binding peptides specific for the extracellular domain of ErbB2 and uses thereof	Serial No.: 20030216309
Cancer gene therapy based on translational control of a suicide gene	Serial No.: 20030087852
Chemosensitizing with liposomes containing oligonucleotides	Serial No.: 20030215489
Chimeric antibody fusion proteins for the recruitment and stimulation of an antitumor immune response	Serial No.: 20030171551
Composition, formulations and method for prevention and treatment of diseases and conditions associated with bronchoconstriction, allergy(ies) and inflammation	Serial No.: 20030087845
Compositions, methods, and kits relating to resistin-like molecules	Serial No.: 20030138826
Compounds and methods for inducing apoptosis in proliferating cells	Serial No.: 20030236294
Enhancement of photodynamic therapy by anti-angiogenic treatment	Serial No.: 20020026945
Formulations comprising selective androgen receptor modulators	Serial No.: 20030162761
Halogenated selective androgen receptor modulators and methods of use thereof	Serial No.: 20040029913
Human preprotachykinin gene promoter	Serial No.: 20020146810
Id-1 and Id-2 genes and products as diagnostic and prognostic markers and therapeutic targets for treatment of breast cancer and other types of carcinoma	Serial No.: 20020137064
Lipophilin complexes for use in cancer diagnosis and therapy	Serial No.: 20030170346
Lysosomal pepstatin-insensitive proteinase as a novel biomarker for detecting and diagnosing breast cancer	Serial No.: 20030211554
Marker for diagnosing breast cancers and ovarian cancers	Serial No.: 20030186338
Met proto-oncogene and a method for predicting breast cancer progression[2]	Patent No.: 6,673,559
Method of analyzing ataxia-telangiectasia protein	Serial No.: 20040029198
Method of preventing or treating estrogen-dependent diseases and disorders	Serial No.: 20030232795
Method of using estrogen-related receptor alpha (ERRalpha) status to determine prognosis, treatment strategy and predisposition to breast cancer, and method of using ERRalpha as a therapeutic target for the treatment of breast cancer	Serial No.: 20030152959
Methods and compositions for detecting cancers	Serial No.: 20040053304
Methods and compositions for detection, diagnosis and prediction of antiestrogen-resistant breast cancer	Serial No.: 20020164663
Methods and compositions in breast cancer diagnosis, and therapeutics	Serial No.: 20030186313

1 The U.S. Patent database only includes data on published applications in accordance with the 18 month pre-grant publication rules. Pending patent applications where the applicant has elected to not publish prior to grant remain confidential.

2 These patents were granted in 2004.

Methods of detection and treatment of breast cancer	Serial No.: 20030181404
Methods, compositions, and kits for the detection and monitoring of breast cancer	Serial No.: 20030170631
Methods, compositions, and kits for the detection and monitoring of breast cancer	Serial No.: 20020009738
Modulators of antiestrogen pharmacology	Serial No.: 20020086361
MRI-guided interventional mammary procedures[2]	Patent No.: 6,675,037
N-bridged selective androgen receptor modulators and methods of use thereof	Serial No.: 20040067979
Neoglycan anticancer agents and uses thereof	Serial No.: 20020013264
Novel discalamide compounds and their use as anti-proliferative agents	Serial No.: 20020016357
Novel steroid hormone receptor interacting protein kinase	Serial No.: 20030166623
Novel transcription factor regulating TNF-alpha	Serial No.: 20030166159
Pin1 as a marker for abnormal cell growth	Serial No.: 20020025521
Pin1 as a marker for abnormal cell growth	Serial No.: 20030068626
Prognostic methods for breast cancer	Serial No.: 20030087235
Prognostic methods for prediction of progression of normal and hyperplastic mammary cells to carcinoma[2]	Patent No.: 6,686,146
Psoriasin expression by breast epithelial cells	Serial No.: 20030138833
Selective androgen receptor modulators and methods of use thereof	Serial No.: 20030232792
Selective androgen receptor modulators and methods of use thereof	Serial No.: 20030225040
Steroid hormone receptor interacting protein kinase[2]	Patent No.: 6,673,586
Suppressors of human breast cancer cell growth	Serial No.: 20020160497
Syntheses and methods of use of new antimitotic agents[1]	Patent No.: 6,673,937
Synthesis of selective androgen receptor modulators	Serial No.: 20040014975
Tumor tissue microarrays for rapid molecular profiling[2]	Patent No.: 6,699,710
Tumor tissue microarrays for rapid molecular profiling	Serial No.: 20030138827
Tumor tissue microarrays for rapid molecular profiling	Serial No.: 20020192702

2003

AIB1, a novel steroid receptor co-activator	Patent No.: 6,562,589
Amplicon in the 20q13 region of human chromosome 20 and uses thereof	Patent No.: 6,664,057
Apparatus and method for mechanical imaging of breast	Patent No.: 6,620,115
Destruction of the epithelium of an exocrine gland in the prophylactic and therapeutic treatment of cancer	Patent No.: 6,559,130
Mammaglobin, a secreted mammary-specific breast cancer protein	Patent No.: 6,566,072
Predisposition to breast cancer by mutations at the ataxia-telangiectasia genetic locus	Patent No.: 6,617,104
Self-palpation device for examination of breast with 3-D positioning system	Patent No.: 6,595,933

2002

Methods for diagnosing cancer or precancer based upon hnRNP protein expression	Patent No.: 6,500,625
Non-steroidal estrogen-receptor antagonists	Patent No.: 6,340,774
Nucleosides with antiviral and anticancer activity	Patent No.: 6,475,985

2 These patents were granted in 2004.

2001

Amplifications of chromosomal region 20q13 as a prognostic indicator in breast cancer	Patent No.: 6,268,184
Breast cancer resistance protein (BCRP) and the DNA which encodes it	Patent No.: 6,313,277
Diagnosis and detection of breast cancer and other cancers	Patent No.: 6,197,532
Disease association by locus stratification	Patent No.: 6,248,524
Epithelial protein and DNA thereof for use in early cancer detection	Patent No.: 6,251,586
Method and system for the computerized assessment of breast cancer risk	Patent No.: 6,282,305
Method for detection of breast cancer	Patent No.: 6,235,486
Prophylactic and therapeutic treatment of the ductal epithelium for a mammary gland for cancer	Patent No.: 6,330,472
Retinoids and use thereof	Patent No.: 6,172,112
Retinyl ethers, derivatives, and analogues and inhibition of breast carcinogenesis	Patent No.: 6,281,250

2000

14 Kilobase deletion in the promoter region of BRCA1 in a breast cancer family	Patent No.: 6,150,514
Benzamide compounds containing a heterocyclic ring for tumor imaging and therapy	Patent No.: 6,015,543
Characterized BRCA1 and BRCA2 proteins and screening and therapeutic methods based on characterized BRCA1 and BRCA2 proteins	Patent No.: 6,149,903
Destruction of the epithelium of an exocrine gland in the prophylactic and therapeutic treatment of cancer	Patent No.: 6,153,184
Detection of melanoma or breast metastasis with a multiple marker assay	Patent No.: 6,057,105
Discodermolide compounds and methods of use	Patent No.: 6,127,406
Materials and methods for improved radiography	Patent No.: 6,158,888
Method for detecting the presence of malignant cells using a multi-protein DNA replication complex	Patent No.: 6,093,543
Method for diagnosis of cancer	Patent No.: 6,150,117
Method of inhibiting cancer growth	Patent No.: 6,100,248
Tissue-specific adenovirus vectors for breast cancer treatment	Patent No.: 6,096,718
Treatment of estrogen-receptor positive breast cancer and estrogen-receptor negative breast cancer with retinoid with CH_2 OH at the side chain terminal position	Patent No.: 6,150,421

1999

Benzamide compounds for cancer imaging and therapy	Patent No.: 5,993,777
Characterized BRCA1 and BRCA2 proteins and screening and therapeutic methods based on characterized BRCA1 and BRCA2 proteins	Patent No.: 5,891,857
Epithelial protein and DNA thereof for use in early cancer detection	Patent No.: 5,994,062
Method for prognosis of prostate cancer	Patent No.: 5,858,681
Methods for cancer imaging and therapy using benzamine compounds	Patent No.: 5,911,970
Methods for detecting predisposition to cancer at the MTS gene	Patent No.: 5,989,815
Pharmaco-gene delivery in human breast cancer cells	Patent No.: 5,962,667

1998

17Q-linked breast and ovarian cancer susceptibility gene	Patent No.: 5,747,282
Amplifications of chromosomal region 20q13 as a prognostic indicator in breast cancer	Patent No.: 5,801,021
Antibodies to human cripto protein	Patent No.: 5,792,616
Destruction of the epithelium of an exocrine gland in the prophylactic and therapeutic treatment of cancer	Patent No.: 5,763,415
DNA encoding Mat-8	Patent No.: 5,728,579
Genetic markers for breast, ovarian, and prostatic cancer	Patent No.: 5,821,328
HME1 nucleic acids and probes	Patent No.: 5,776,676
Immunohistochemical detection assay for carcinoma proliferative status	Patent No.: 5,846,739
Isolation and structure of the human cancer cell growth inhibitory cyclic octapeptides phakellistatin 10 and 11	Patent No.: 5,801,222
Method of inhibiting cancer growth	Patent No.: 5,837,696
Methods for identifying genes amplified in cancer cells	Patent No.: 5,776,683
Quantitative measurement of tissue protein identified by immunohistochemistry and standardized protein determination	Patent No.: 5,846,749
Targets for breast cancer diagnosis and treatment	Patent No.: 5,759,776
Treatment of tumors of the central nervous system with immunotoxins	Patent No.: 5,728,383
Uses of 9-cis-retinoic acids and derivatives thereof alone or in combination with antineoplastic agents in the prevention or treatment of cancer	Patent No.: 5,821,254