

ATTACHMENT 2

LIST OF KEYWORDS

Adenovirus	Cell differentiation and/or differentiation therapy
Adjuvant therapy	Cell migration, motility and/or invasion
Aging and cancer	Cell polarity
Androgen and/or receptors	Cell signaling
Aneuploidy	Cervix or endometrial ca.
Angiogenesis and/or vasculogenesis	Chemistry
Animal models	Chemoimmunotherapy
Anti-angiogenic therapy	Chemokines
Antibody/mAb therapy	Chemotherapy
Apoptosis	Chromatin remodeling
Aromatase and/or inhibitors	Chronic Lymphocytic Leukemia (CLL)
ATM pathway	Chronic Myeloid Leukemia (CML)
ATR pathway	Circulating tumor cells
Autoimmunity/Autoantibodies	Clinical practice guidelines
Autophagy	Clinical trials
B cells	Colorectal and/or Intestinal ca.
bcl2 family	Combination therapy
Biochemistry	Computer Tomography (CT Scan)
Bioinformatics	Costimulatory molecules
Biomarkers	COX2
Biomolecular modelling	Crosstalk
Biophysics	Cyclic AMP
Bladder tumor	Cyclins and/or inhibitors
Body mass index (BMI) and/or obesity	Cytogenetics
Bone disease	Cytokines/Interleukins
BRAF/RAF kinases	Cytotoxic T Lymphocytes (CTL)
Brain and/or nervous system tumors	Dendritic cells
BRCA	Diagnosis
Breast ca.	Diet
Burkitt lymphoma	DNA damage
Cachexia	DNA methylation
Cadherins	DNA recombination
Cancer evolution	DNA repair
Cancer stem cells	DNA replication
Carcinogenesis	Docking
Caspases	Drug delivery
Caveolin	Drug discovery and/or development
CD133/Stem cell markers	Drug response and/or resistance
Cell adhesion and/or cell adhesion molecules	Drug toxicity
Cell cycle	EGF and/or receptors
Cell cycle checkpoint	Endocytosis
Cell cycle checkpoint	

Endoplasmic reticulum (ER)
Endothelial cells
Epidemiology
Epigenetics
Epithelial mesenchyme transition (EMT)
Epstein-Barr Virus (EBV)
Estrogens and/or receptors
Exosomes and/or endogenous microvesicles
Extracellular Matrix (ECM)/Stroma
Fas and/or FasL
Fatty acids
FGF and/or receptor
Flow cytometry
Fluorescence in situ hybridization (FISH)
Folate and/or receptor
Functional genomics
Functional validation of target genes
Fusion genes
Gastric ca.
Gene alteration/gain or loss
Gene expression and/or profile
Gene regulation
Gene therapy
Genetics
Genome wide screening/GWAS
Genomic imprinting
Genomic/Genetic instability
Genomics
Glioma and/or glioblastoma
Glucocorticoids and/or receptors
Glucose metabolism and/or Warburg effect
Glycoproteins and/or glycosylation
G-proteins and/or GPCR
Granulocytes
Growth factors and/or receptors
Growth induction and/or growth arrest
GVHD and/or Graft versus Tumor
Gynecological tumors
Head and neck ca.
Heat shock proteins (HSP)
Hematologic malignancies
Hematopoiesis
Hematopoietic stem cells
Hepatitis B virus (HBV)
Hepatitis C virus (HCV)
Hepatocellular carcinoma (HCC)
HER1-2-3-4
Hereditary tumors

High Mobility Group Proteins (HMG)
HLA/Major Histocompatibility Complex (MHC)
Hodgkin's lymphoma
Homologous recombination
Hormones
Human Papilloma Virus (HPV)
Hypoxia/Hypoxia-inducible Factors (HIF-1)
Immune escape
Immunization
Immunoconjugates
Immuno-editing
Immunohistochemistry
Immunosuppression and/or suppressor cells
Immunotherapy
In vitro imaging and/or live cell imaging
In vivo imaging
Infection
Inflammation and/or inflammatory cytokines
Inhibitor of apoptosis proteins (IAPs)
Innate immunity
Insulin
Insulin-like growth factor (IGF) and/or receptors
Integrins and/or Integrin-linked kinase (ILK)
Interferons
Ion channels
Jak/Stat pathway
Kidney ca.
Kinase/Kinome
Lentivirus
Leukaemia
Lipid metabolism
Lipidic mediators
Lipoxygenases
Liquid biopsy
Loss of heterozygosity (LOH)
Lung ca.
Lymphatics and/or lymphangiogenesis
Lymphocyte differentiation
Lymphomas
Macrophages and/or monocytes
Magnetic resonance imaging (MRI)
MAP Kinases
Mass spectrometry
Mathematical modeling
Matrix metalloproteases (MMP) and/or inhibitors
MDM2

Medulloblastoma	Palliative care
Melanoma	Pancreas ca.
Membrane biology	Pathology
Mesothelioma	Patient-derived xenografts (PDX)
MET/HGF	Patient risk stratification
Metabolism/Metabolomics	PDGF and/or receptors
Metallo-drugs	Pediatric tumors
Metastasis	Peptides
Microarrays	Peroxisome proliferator-activated receptor (PPAR)
Microbiome	PET
Microenvironment	Phage display
microRNA	Phagocytes and/or phagocytosis
Microscopy	Pharmacogenetics/Pharmacogenomics
Minimal Residual Disease (MRD)	Pharmacokinetics
Mitochondria	Pharmacology
Monoclonal antibodies (mAbs)	Phosphatases
Mouse models	Phospholipids
mRNA processing	Phosphorylation
mRNA translation	PI3K/Akt/PTEN/mTOR pathway
Multidrug resistance (MDR)	Polymorphisms/SNPs
Mutation (somatic and/or germline)	Post-translational modification
Myc	Precancerous lesions
Myeloma	Preclinical studies
Nanotechnology/Nanoparticles	Prevention and/or chemoprevention
Neuroblastoma	Prognosis
Neuroendocrine tumors	Prostaglandins
Next generation sequencing	Prostate ca.
NF-kB family	Proteasome
Nitric oxide	Protein microarrays
NK and/or NKT cells	Proteomics
NMR spectroscopy	Radionuclide therapy
Non apoptotic cell death	Radiosensitivity and/or resistance
Non melanoma skin tumors	Radiotherapy
Notch pathway	Radiotoxicity
Nuclear medicine	RAS/RAS inhibitors
Nuclear receptor	Rb/Rb family
Nuclear structures	Response and/or resistance to therapy
Nucleophosmin (NPM)	RET
Oncogenes	Retinoblastoma
Oncogenic virus	Retinoic acid and/or receptors
Organic compounds	Retrospective studies
Osteopontin	Risk factors
Osteosarcoma	RNA binding proteins
Ovarian ca.	RNA splicing
Oxidative stress and/or Reactive Oxygen Species (ROS)	Sarcoma
p21 - activated kinases (PAK)	Screening
p53, p63, p73	Senescence

Side effects	Wilms' Tumor Gene (WT1)
Signal transduction inhibitors	Wnt/beta-catenin pathway
siRNA and/or non coding RNA	Yeast
Small molecule inhibitors	
Smoking	
Soft tissue tumors	
Solid tumors	
Spheroids/3D cultures	
Src family	
Staging	
Statistics	
Stem cells	
Stress response	
Surgery	
Survival analysis	
T cells/TCR	
T helpers	
Target therapy	
Telomere and/or telomerase	
Testis ca.	
TGF and/or receptors	
Thymoma	
Thyroid ca.	
Thyroid hormone	
Tissue microarrays (TMA)	
TNF and/or receptors	
Tolerance	
Toll-like receptors (TLR)	
TRAIL	
Transcription	
Transcription factors	
Transformation assays	
Transgenic mice	
Translocation	
Transplantation	
Treg cells	
Triple negative breast ca.	
Tumor-associated antigen	
Tumor-infiltrating Lymphocytes (TIL)	
Tumor suppressor genes	
Tumor-stroma interaction	
Tyrosine kinase receptors (TKR)	
Ubiquitin and/or ubiquitination	
Ultrasound	
Vaccine	
VEGF and/or receptor	
Virology	
Von Hippel-Lindau (VHL)	