

# Keyword Index

- [<sup>3</sup>H]thymidine incorporation 625  
15d-PGJ<sub>2</sub> 1303  
16q 1763  
17β-oestradiol 136  
1q 1763  
2-(4-aminophenyl)benzothiazole 1348  
5-aminolaevulinic acid 989  
5-aza-2'-deoxycytidine 979  
5-fluoropyrimidine 1670  
5-fluorouracil 1028, 1162, 1677, 1871  
5-FU 222  
9-aminocamptothecin 1634  
  
α-foetoprotein 728  
α-particle emitter <sup>213</sup>Bi 1197  
α<sub>v</sub>-integrins 788  
accelerated hyperfractionation 517  
accelerated radiotherapy 1848  
actin cytoskeleton 1188  
actinomycin D 1174  
active specific immunotherapy (ASI) 1230  
acute lymphoblastic leukaemia 1727  
acute myeloid leukaemia 60, 1061  
adaptation 1540  
adenocarcinoma 1238  
adenocarcinoma of unknown primary 1884  
adenocortical tumours 1561  
adenovirus 436  
adhesion 1169  
adjuvant androgen deprivation 1843  
adjuvant chemotherapy 1578  
adjuvant treatment 1534  
adolescent weight 84  
adrenal cortex 1561  
adult body size 84  
advanced epithelial ovarian cancer 1385  
advanced oesophageal cancer 669  
adverse drug reaction 12  
aetiology 60, 350, 1061, 1070, 1745  
AF15Q14 1757  
affected and unaffected women 43  
agarose 947  
age 1061, 1373  
Akt 540, 1586  
ALA 837  
ALA derivatives 837  
alcohol 346  
ALL 356  
alternating therapy 692  
alternative splicing 737  
AMF 1914  
aminolaevulinic acid 1343  
aminolevulinic acid 837  
anaemia 1243  
anaplastic astrocytoma 501  
anaplastic thyroid carcinoma 1848  
androgen receptor 879  
androgens 879  
angiogenesis 123, 244, 301, 389, 417, 490, 558, 744, 761, 779, 788, 796, 864, 905, 993, 1391, 1465, 1566, 1597, 1622, 1803, 1813  
angiogenic factors 768, 1276  
angiopoietin 645  
anthracycline-resistant 1367  
anthracyclines 226, 811  
anthranoids 1494  
anti-angiogenesis 803, 1813  
antiangiogenesis 788  
anticancer drugs 1316  
antidepressive agents 92  
antioxidant activity 1645  
antisense 1328, 1957  
antivascular 1937  
Apaf-1 587  
Apaf-3 596  
Aplidine 1510  
apoptosis 130, 143, 443, 463, 587, 636, 737, 744, 828, 893, 963, 971, 1012, 1104, 1188, 1303, 1316, 1479, 1494, 1510, 1776, 1937, 1951, 1957, 1963  
aspirin 1501  
ATP 619  
autoantibodies 1824  
auto-immune disease 1078  
autologous melanoma vaccine 1534  
autologous tumour cell vaccines 1230  
avidin–biotin 207  
axillary node status 870  
  
β-catenin 1124  
β-glucuronidase 811  
β3-adrenoceptor 424  
β-carotene 698  
B cells 1336  
B lymphocytes 1776  
B16 F10 melanoma 803  
basic fibroblast growth factor 31, 123, 1770  
Bax 1117  
BAX 744  
Bayesian 843  
Bcl-1 143, 971, 1117, 1501, 1561  
BCL-2 886  
bcl-2 1899  
Bcl-2 phosphorylation 463  
BCR–ABL 1472  
benign thyroid disease 1745  
bereavement 1540  
beta 2-microglobulin 1943  
*Betaig-h3* 1923  
bile acids 1741  
birth length 89  
birth weight 84, 89, 728  
bisphosphonates 1479  
bladder cancer 1283, 1732  
bladder carcinoma 326  
bladder neoplasms 1276  
bleomycin 1658  
body surface area 1297  
bombesin receptor 1322  
bone marrow micrometastasis 1047  
bone marrow stroma 1136  
bone metastases 322, 1715  
brain cancer 1732  
brain tumour 14, 1414  
brain tumours 1070  
brain-specific angiogenesis inhibitor 1 490  
BRCA1 mutation 218  
BRCA2 mutation 218  
BRCA3 76  
breast 250, 905  
breast and ovarian cancer genetics 43  
breast cancer 84, 89, 218, 222, 362, 540, 580, 723, 728, 750, 870, 1041, 1367, 1373, 1436, 1440, 1457, 1479, 1705, 1786  
breast cancer predisposition 718  
breast cancer prognosis 1790  
breast cancer risk 718  
breast carcinoma 546  
breast feeding 1064  
breast neoplasm 1034  
breast neoplasms 92  
breast tumour 136  
butyrate transport 1262  
  
CA 15-3 1217  
CA19-9 1551  
cachexia 372, 424, 1628  
Caco2 1645  
calcium signalling 636  
caloric restriction 1615  
cancer 51, 636, 698, 1243, 1336, 1634, 1854, 1963  
cancer cachexia 612, 1012  
cancer chemotherapy 811, 983  
cancer in spouses 1737  
cancer metastasis 161  
cancer network 313  
cancer testis antigens 979  
cancer/testis (CT) 1757  
cancer therapy 130, 449, 652  
capecitabine 1367, 1670  
carbonic acid 1276  
carboplatin 1379, 1385  
carcinogenesis 1124, 1494  
carcinoma 893, 1444  
carcinoma of breast 396  
carcinoma of unknown primary site 1238  
cardiolipin peroxidation 1951  
cardiotoxicity 226, 534, 1697  
cardiovascular disease 698  
carnitine 1854  
case-control 350, 1721, 1751  
case-control studies 92, 1425, 1085  
case-control study 346, 712, 1436, 1745  
case-mix 331  
caspase 443  
caspase activity 971  
caspase-9 587  
caspase-independent 828  
caspases 143, 893, 1479  
caveolin-1 912  
C-cell hyperplasia 1929  
*CCND1* expression 580  
cdc25A 1909  
cdc25B 1909  
CD1a 546  
CD20 1336  
CD83 546  
CEA 1217  
cell adhesion 161  
cell cycle 443, 1501, 1510, 1645  
cell cycle markers 402  
cell hypoxia 1276  
cell line 98  
cell surface molecules 1776  
cell proliferating activity 1893  
cellular proliferation 1776  
cellular telephones 348  
census 350  
central nervous system tumours 1727  
central primitive neuro-ectodermal tumours 1117  
*c-erbB-2* 568  
cervical cancer 263, 1188  
cervical carcinoma 705  
cervical disease 269  
CGH 929  
change detection analysis 870  
chemoembolization 196  
chemo-immunotherapy 1230  
chemoprevention 218, 774  
chemoradiotherapy 552, 1551  
chemotaxis 993  
chemotherapy 19, 26, 179, 213, 336, 485, 501, 669, 744, 1546, 1555, 1670, 1677, 1684, 1854, 1905  
chemotherapy duration 1705  
childhood 356  
childhood/adolescence 362  
childhood cancer 63, 350, 1078, 1727

- childhood cancer risks 1721  
 childhood leukaemia 732,  
 1064, 1411, 1419  
 children 1070  
 CHK2 756  
 cholecystectomy 1081  
 chondrosarcoma 1303  
 choroid plexus 1592  
 chromatin 1817  
 chromosomal abnormalities  
 60, 1061  
 chromosome 12 1763  
 chronic myelogenous  
 leukaemia 1487  
 cimetidine 161, 630, 1257  
 CIN 376  
 ciprofloxacin 443  
 circadian 999  
 circulating tumour cells 110  
 cisplatin 19, 196, 213, 326,  
 342, 485, 530, 669, 819  
 cisplatin 1858  
*c-kit* (CD117) 1333  
 clodronate 1235  
 cluster analysis 1093  
 CMRF-44 546  
 CMRF-56 546  
 coagulation 389  
 cohort studies 70, 1430  
 cohort study 723  
 colon 1494  
 colon cancer 1230, 1262, 1501  
 colon carcinoma 409, 1871  
 Colon 38 tumour 1937  
 colonic cells 1316  
 colony stimulating factors 1316  
 colorectal 102  
 colorectal cancer 161, 203, 331,  
 443, 568, 574, 417, 1124,  
 1257, 1401, 1670, 1684,  
 1691, 1741, 1876, 1884  
 combination 534  
 combination therapy 819  
 combined treatment modality  
 1848  
 combretastatin A-4 1604  
 communication 51  
 communication skills 1057  
 comparative genomic  
 hybridisation 924  
 computer 51  
 computer-assisted cytology 382  
 conformal radiotherapy 1843  
*Congou* tea 346  
 cost and cost analyses 226  
 cost effectiveness analysis  
 1677  
 costs 1684  
 CPT-11 983  
 cryosurgery 1658  
 crystallization 196  
 CTLs 151  
 CXCL12 1250  
 CXCR4 1250  
 cyclin A 402  
 cyclin BI promoter 477  
 cyclin D1 402  
 cyclooxygenase-2 1150  
 cyclophosphamide 130, 534,  
 1705  
 CYP1A1 1348  
 CYP1B1 774  
 CYP26A1 605  
 cytarabine 1472  
 cytochrome *c* 893, 1479, 1951  
 cytochrome P450 630, 774  
 cytogenetics 60, 1061  
 cytokeratin-positive cells 1047  
 cytokeratin staining 1884  
 cytokine 449  
 cytokines 1310  
 D40 1757  
 daycare 1064, 1419  
 DC activation 546  
 declopramide 971  
 delayed exposure 1419  
 delayed type hypersensitivity  
 (DTH) 1534  
 dendritic cell 1257, 1529  
 dendritic cells 151, 546  
 deoxycholic acid 1741  
 deprivation 331  
 DFF 596  
 diabetes 1078  
 diagnosis 1444  
 diagnostic delay 1034  
 diet 712  
 dietary factors 1745  
 differentiation 117, 1006  
 diffusion 1639  
 disease-progression 31  
 divalent-Fab' maleimide 1401  
 DMXAA 1937  
 DNA breaks 130  
 DNA double-stranded breaks  
 1143  
 DNA fragmentation 1012  
 DNA methylation 282, 574,  
 1817, 1888  
 DNA mismatch repair 1130  
 DNA ploidy 1110  
 DNA repair 130, 1797  
 DNA sequencing 1117  
 DNA-PK 1143  
 do not attempt resuscitation  
 orders 1057  
 docetaxel 326, 692, 1385  
 dose calculation 1297  
 dose response 1235  
 dose-dense chemotherapy 1555  
 dose-finding study 1385  
 doxorubicin 1093, 1322, 1697,  
 1848  
 DPD 222, 1028  
 DPYD gene 1028  
 drug delivery 652  
 drug interactions 1162  
 drug resistance 1130, 1652  
 DS-sarcoma 1355  
 ductal carcinoma *in situ* 905  
 E-cadherin 98  
 E6 oncogene 269  
 early infections 1064  
 early life factors 356  
 EBERs 702  
 EGF receptor 456  
 EGFR 1518  
 EGFR-TKI 1157  
 endocrine treatment 540  
 endocytic vesicles 652  
 endogenous superantigen 828  
 endometrial cancer 1837  
 endometrial neoplasms 1430  
 endometrium 761  
 endothelial 1937  
 endothelial-cell 1597  
 endothelial cells 645, 779, 993,  
 1813  
 endothelial phenotype 905  
 endothelial proliferation index  
 761  
 energy metabolism 424, 1615  
 energy restriction 362  
 ependymoma 929  
 epidemiology 92, 348, 698,  
 1411, 1751  
 epidermal growth factor  
 receptor 1328  
 epirubicin 1385  
 epithelial ovarian cancer 879  
 Epstein-Barr virus 702  
 ER $\beta$  250  
 ErbB-2 540  
 ErbB2 1104  
 erythropoietin 1858  
 ethnicity 367  
 etoposide 12, 19, 485, 1472  
 etoposide phosphate 12  
 evidence-based medicine 313  
 Ewing tumours 1763  
 exercise 70  
 expression 917  
 expression cloning 1943  
 extracellular matrix 1639  
 Fab 954  
 familial breast cancer 233  
 familial cancer 718, 1737  
 family 1540  
 Fas 963  
 fatigue 1854  
 FEC 692  
 female serum 203  
 FHIT 376  
 fibrinogen 389  
 fibroblast growth factor 8 1097  
 FIGO stages 274  
 first line therapy 1677  
 FISH 1449  
 flavonoids 1645  
 Fluoro-desoxi-glucose uptake  
 1391  
 fluoropyrimidine 1367  
 fluorouracil 819  
 fragments 1401  
 free PSA 203  
 frozen tissue 1658  
 functional genomics 1250  
 G0/G1 arrest 1150  
 gain Iq 929  
 galanin 117  
 gallstones 1081  
 gamma dose rate 1727  
 gastric adenocarcinoma 702  
 gastric cancer 564, 674, 1047,  
 1578, 1858, 1864  
 gastric carcinoma 1223  
 gelatinase activity assay 1876  
 gelatin zymography 1876  
 gemcitabine 190, 342, 843,  
 1551, 1701  
 gene amplification 1449  
 gene expression 274, 1093,  
 1262  
 gene expression patterns 1283  
 gene overexpression 899  
 gene therapy 436  
 genetic epidemiology 1737  
 genetic risk assessment 233  
 germ cell cancer 506  
 germ-cell tumours 1555  
 Glasgow osteosarcoma 999  
 Gleevec 1487  
 glioblastoma 1328  
 glioblastoma multiforme 501  
 glioma 14, 207, 587, 619,  
 1586, 1615  
 glioma c6 1006  
 Glivec 1487  
 glucose transport 1262  
 glucuronide 811, 1634  
 glutathione 1180  
 glycolysis 1615  
 glycan 3 1920  
 GM-CSF 292  
 Gompertz equation 947  
 grade 185  
 graft-vs-leukaemia 828  
 growth control 1023  
 H<sub>2</sub> receptor antagonist 1257  
 haem metabolism 630  
 haemoglobin 1243  
 hCG $\beta$  185  
 hDFM 1401  
 head and neck cancer 512, 517  
 head and neck cancer cell lines  
 819  
 head and neck neoplasms 196  
 health behaviour 1034  
 heparanase 1270  
 heparin 1803  
 hepatic artery infusion 436  
 hepatobiliary cancer 1732  
 hepatocarcinogenesis 630  
 hepatocellular carcinoma 98,  
 110, 524  
 HER-2/neu 1449  
 heredity 1737  
 heregulin  $\beta$  1540  
 hexyl-ALA 837  
 HIF-1 1914  
 high-dose chemotherapy 506  
 high-grade glioma 501, 1899  
 high-risk families 76  
 histological grade 396  
 histopathological  
 differentiation 1893  
 histone acetylation 1817

## Keyword index

- historical cohort 356  
 HLA class I 1336  
 HMG Co-A reductase inhibitors 1436  
*hMLH1* 574  
*hMLH1* 564  
 Hodgkin and Reed Sternberg cells 1333  
 hormone refractory 1715  
 hospital 331  
 HPV 263, 376  
 human 1444  
 human breast cancer 402, 1097  
 human bronchial epithelial cells 1923  
 human fusion protein 811  
 human granulocyte colony-stimulating factor 1858  
 human kallikrein 6 1790  
 human kallikrein 10 1790  
 human kallikrein 13 1457  
 human papillomavirus (HPV) 382, 705, 924  
 human papillomavirus 16 269  
 human squamous cervical cancer 274  
 humanised antibody 1401  
 hyaluronan 947  
 hypercalcaemia 680, 1235  
 hyperlipidaemia 1436  
 hypermethylation 564  
 hypersensitivity 12  
 hyperthermia 1597  
 hypoxia 136, 301, 1355, 1914  
 hypoxia markers 1831
- IAPs 737  
 ICAD 596  
*IL-1 $\beta$*  1396  
*IL-4* receptor 285  
*IL-6* 1396  
*IL-8* 301  
 image processing 1831  
 imaging 1401  
 imatinib 1487  
 immune activation 1691  
 immune infiltrate 1444  
 immune monitoring 168  
 immunofluorescence 285  
 immunohistochemistry 222, 568, 912, 1449, 1770, 1831, 1888, 1909  
 immunotherapy 336, 979, 1336  
 incidence rate 1061  
 individual 51  
 induction chemotherapy 530  
 infection 732, 1070, 1414  
 infiltrating lymphocytes 1465  
 inflammation 1615  
 infusional 5-FU 213  
 inhibition 768  
 inhibitor 605  
 inhibitor of apoptosis 886  
 insulin-like growth factor-binding protein-3 (IGFBP-3) 1963  
 integrin receptor 1923  
 interferon  $\alpha$  179
- interleukin-2 179  
 interleukin-6 389  
 intermediate ploidy 929  
 internal ribosome entry sites (IRES) 1023  
 International Germ-Cell Cancer Consensus Group 1555  
 International Neuroblastoma Pathology Classification (INPC) 1110  
 International Neuroblastoma Staging System (INSS) 1110  
 interventional radiology 524  
 intradermal 336  
 intramuscular administration 63  
 intra-pleural 336  
 intratumour injection 429  
 intravenous infusions 1670  
 invasive carcinoma 905  
 Ip deletion 596, 1110  
*Iressa* 456, 1157  
 irinotecan 530, 999, 1677  
 irradiation 1487  
 isolated limb perfusion 1174  
 isolated liver perfusion 436  
*in vitro* cell model 1283
- Jak 449  
 JNK 1188
- kallikreins 1457  
*Ki-67* 1561  
 kidney 768  
 kidney cancer 1250  
 kidney neoplasms 1425  
 Kuwait 1745
- lactation 1097  
 laminin 1169  
 landfills 1732  
 larynx 239, 1751  
 late rectal toxicity 1843  
 leukaemia 63, 143, 292, 1414, 1721, 1732  
 Li Fraumeni 1592  
 light dose fractionation 989  
 lipid mobilizing factor 424, 612  
 liposomal doxorubicin 1379  
 liposomes 837  
 liquid-based cytology 382  
 liver cancer 625  
 liver cirrhosis 1290  
 liver metastases of colorectal cancer 524  
 liver metastasis 436  
 locally advanced NSCLC 190  
 locoregional chemotherapy 524  
 long control region 269  
 losoxantrone 534  
 loss 22 929  
 loss of heterozygosity 574  
 LoVo xenograft 1157  
 LMR-12 1943  
 LRP 954  
*Lsm1* 940  
 lung 1751
- lung adenocarcinoma 1884  
 lung cancer 36, 244, 1449, 1757, 1893  
 lymphoma 1414
- MAGE transcript 110  
 male genital tract 705  
 malignant pleural mesothelioma 342  
 malignant progression 1355  
 MAPK 1518  
 marimastat 1864  
 mathematical model 14  
 matrix metalloproteinase 1136, 1876  
 matrix metalloproteinase inhibitors 1864  
*MCF* 1238  
*MDM2* 1290  
 medical audit 313  
 medical practice 313  
 medulloblastoma 285  
 melanoma 102, 179, 301, 1085, 1529, 1957  
 menopause 1430  
 mesothelioma 979  
 metabolism 605  
 metastasis 123, 301, 389, 409, 744, 803, 1136, 1169, 1604, 1803, 1914  
 metastatic breast cancer 692, 1905  
 metastatic colorectal cancer 1677  
 metastatic gastric cancer 213  
 methotrexate and fluorouracil (CMF) 1705  
 methylating agents 1797  
 methylation 979  
 metoclopramide 971  
*MGMT* 1797  
*MHC* class I 1943  
 microarray 1093  
 microcirculation 1604  
 microenvironment 1615  
 micrometastases 396  
 microvessel count 1770  
 microvessel density 1391, 1566, 1905  
 migration 1169  
 minimal-disease 102  
 mitochondria 619, 1951  
*Mitomycin C* 470  
*MMAC1* 257  
 MMPs 993  
*MO7e* 292  
 molecular cytogenetics 1763  
 molecular diagnosis marker 274  
 monoclonal 250  
 monocytes 1310  
 motility 1914  
*MRS* 963  
*m-THPC* 1130  
 multidrug resistance 292, 954, 1494, 1943  
 multidrug resistance-associated protein 1 1578
- multiple cancer 564  
 multiple comparisons 1093  
 multiple gated acquisition scan 226  
 multiple myeloma 796  
 multivariate analysis 1217, 1899  
 muscle 372  
 mutation 1028, 1920  
*MVD* 796  
*MVP* 954  
*Mxi1* 477  
*MYCN* amplification 1110  
*myo-inositol* 1180  
 myotubes 1628
- N-(4-hydroxyphenyl)retinamide 1951  
*NASBA* 102  
 nasopharyngeal carcinoma 843  
 natural compound 1510  
*NDGA* 1188  
 neoadjuvant androgen deprivation 686  
 neoadjuvant chemotherapy 190, 750, 1041  
 neoplasias 917  
 neoplasm 768, 924  
 neoplasm staging 1034  
 nested polymerase chain reaction 110  
 neuroblastic tumour 117  
 neuroblastoma 117, 485, 596, 1110  
 neuroectodermal 596  
 nipple aspirate fluid 1440  
 nitric oxide 1310  
 nitric oxide synthase 136  
 nitric oxide synthase II 1310  
 nitrosoureas 1797  
*NMR* 1180  
 non-anticoagulant heparin-carrying polystyrene (NAC-HCPS) 1803  
 non-Hodgkin's lymphoma 1414, 1727, 1770  
 non-seminomatous germ-cell tumours 1555  
 non-small cell lung cancer 530, 1701  
 normal 1963  
*NS-398* 1150, 1501  
*NSCLC* 858  
*NUCB2* 1824  
 nutrient deprivation 1343
- O<sup>6</sup>-methylguanine-DNA methyltransferase* 1888  
 occult metastases 396  
 occupational physical activity 70  
 ocular melanoma 348  
 oesophageal cancer 346, 552  
 oesophageal carcinoma 1223  
 oesophagectomy 851  
 oesophagus 1751  
 oestradiol 728  
 oestrogen receptor 250, 282

- oestrogens 367, 1430  
 omega-3 fatty acids 983  
 oncogene overexpression 1449  
*ONYX-015* 5  
 OPS 1622  
 oral 1670, 1751  
 oral cavity 239  
 oral contraceptives 1085  
 organometallic arene complexes 1652  
 osteosarcoma 864  
 ovarian cancer 19, 282, 456, 712, 1180, 1379  
 ovarian surface epithelium 879  
 ovarian xenografts 1652  
 ovulation 367  
 oxaliplatin 999, 1162, 1871  
 oxidative stress 630, 779
- P14ARF* 1290  
*p21* 1150  
*p21<sup>WAF1/CIP1</sup>* 625  
*p53* 5, 490, 587, 744, 750, 756, 886, 1104, 1518, 1561, 1592  
*p53* proteins 1117  
*p73* 263  
*p9Ka* 409  
 paclitaxel 669, 1367, 1379, 1858  
 palliative chemotherapy 1858  
 pancreas 257, 893  
 pancreatic cancer 680, 1081, 1188, 1551  
 pancreatic ductal adenocarcinoma 1270  
 pancreatic neoplasms 886  
 Pap smear 382  
 parathyroid hormone-related peptide 322  
 parity 1425  
 participation 350  
 paternal occupational contacts 732  
 pathological response 1041  
 pathology 674  
 PC3 cell line 1197  
 PCR-RFLP 568  
*p*-dimethylaminoazobenzene 630  
 PDT 837  
 peptide 1169, 1529  
 perforin 828  
 pericyte 645  
 periodate-treated 1803  
 peripheral blood 1715  
 peripheral blood stem cell support 1715  
 PET 506, 1391  
 P-glycoprotein 1578  
 phage display 954  
 pharmacogenetics 1028  
 pharynx 239  
 phase I study 1701  
 phase I/II trial 1401  
 Phase II clinical trial 843  
 phase II study 342
- phosphorylated tyrosine-containing proteins 1893  
 phosphorothioate oligonucleotides 1143  
 photochemical 652  
 photodynamic therapy 837, 989, 1130, 1343  
 piceatannol 774  
 pimonidazole 429  
 PKB 540, 1586  
 placenta weight 89  
 plasminogen activator inhibitor type 2 1197  
 plasminogen activator inhibitor type-1 1355  
 pleiotrophin 858  
 Polygenes 76  
 polymorphism 568, 1929  
 polypoid tumour 1124  
 pooled analysis 1085  
 poor prognosis 1893  
 population mixing 1411  
 population studies 76  
 population study 1837  
 porphobilinogen deaminase 1006  
 positron emission tomography (PET) 512, 1052  
 postoperative radiotherapy 517  
 postoperative survival 1270  
*PPAR $\gamma$*  1303  
 predictive factor 1905  
 pre-eclampsia 728  
 Pre-phase I 1052  
 predictive factors 517, 1705  
 predictive genetic testing 1209  
 pregnancy 1425  
 pregnancy choriocarcinoma 26  
 primary breast cancer 1217  
 probability mapping 870  
 prodrug 1348, 1634  
 prognosis 185, 222, 402, 417, 568, 1047, 1217, 1578  
 prognostic and predictive markers 1457  
 prognostic factor 1041  
 prognostic factors 674, 686  
 prognostic indicators 1797  
 prognostic markers 1763  
 prognostic value 580  
 proliferation 443, 636, 1957, 1963  
 proliferation kinetics 517  
 prospective cohort study 1081  
 prostate 102  
 prostate cancer 168, 322, 686, 940, 1136, 1197, 1715  
 prostate carcinoma 1465, 1843  
 prostate epithelia 1136  
 prostate specific antigen 1465  
 prostatic neoplasms 70  
 proteolysis-inducing factor (PIF) 1628  
 proteomics 1440  
 protoporphyrin 1006  
 PSA 168, 203  
 PSA control 1540  
 psychological 1540
- psychological distress 43  
 psychological impact 233  
*PTEN* 1586  
 pulmonary metastasis 864  
 purinergic receptor 636  
 quality of life 51, 1243, 1691  
 quantitative PCR 1457  
 quantitative RT-PCR 580
- R116010 605  
*RA* 605  
 radiation 819, 1929  
 radiation response 136  
 radiation sensitivity 1143  
 radioimmunotherapy 207  
 radiolabelled anti-PEM 870  
 radiolabelled humanised monoclonal antibody imaging 870  
 radionuclide therapy 1715  
 radionuclide ventriculography 1697  
 radiopharmaceutical 1052  
 radiotherapy 470, 686, 744, 1157  
 radon 1721  
 radon interactions 1727  
*raltitrexed* 1871  
*Ras* 1479  
*ras* oncogene 436  
 rat aortic ring assay 796  
 rats 1174  
 reactive oxygen species 1951  
 real-time PCR detection 580  
 real-time RT-PCR 899  
 receiver operator characteristic curve 899  
 receptor 117  
 receptor signalling 1250  
 rectal cancer 744  
 recurrence 1223  
 referral patterns 36  
 relapse 26  
 renal cell carcinoma 185, 1396  
 reperfusion injury 989  
 replication-selective adenoviruses 5  
 repopulation 470  
 reproducibility 1741  
 reproductive factors 723  
 residence 362  
 response monitoring 506  
 response to treatment 1790  
 resuscitation 1057  
*resveratrol* 774  
*RET* 1929  
*RET/PTC* 1929  
 RGD-peptides 788  
 rhenium-186 HEDT 1715  
 ribosomal protein S12 274  
 risk factors 70, 712, 723, 1064, 1081, 1373, 1425  
 risk management 1209  
 risk perceptions 43  
 RT-PCR 102, 737, 1322  
*ruthenium* 993  
*ruthenium(II)* 1652
- S100A4 409  
 salvage regimen 1871  
*SCLC* 858  
 Scotland 1837  
 seasonal variation 1070  
 secondary lung cancer 1391  
 secondary malignancy 239  
 segregation analysis 76  
 sequential therapy 692  
 SEREX 1824  
 serine proteases 1457  
 serous papillary uterine cancer 151  
 service delivery 233  
 sexual function 1546  
 sexual habits 705  
*sialyl Lewis antigens* 161  
 side effects 1546  
 signal transduction pathway 449  
*SIR2* 917  
 skeletal muscle 1012  
 small cell lung cancer 558  
 smoking 1430, 1757  
 smooth muscle 645  
*Snail* 98  
 socio-demographic factors 1034  
*SOD-1* 779  
 solid stress 947  
 solid tumours 1566  
 sorbitol 1180  
 space-time clustering 1070  
 spheroid 947  
 spheroids 1639  
 squamous cell cancer 239  
 squamous cell carcinoma 470, 512, 924, 1150  
*SR 25989* 803  
*ST1571* 1487  
 stage 185  
 Stage A chronic lymphocytic leukaemia 31  
 staging 1837  
 statins 1436  
 statistical methods 1093  
*STI571* 1333, 1472  
 stomach neoplasms 1888  
 stromal cells 1639  
 structure activity relationships 1652  
 subunit composition 285  
*suramin* 1143  
 surgery 1848  
 surgical treatment 1223  
 surveillance 239  
 survival 331, 512, 674, 737, 1790  
 survival analysis 1837, 1888  
 suspensions 196  
 Sweden 732  
*SYBR Green I* 899  
 sympathetic nervous system 117  
 symptom control 1540  
 symptoms 1373  
 synergy 485  
 systematic review 501

**Keyword index**

- TACCI 1824  
 tamoxifen 218, 402, 761, 1546  
 tamoxifen therapy 1790  
 TAP 1943  
 targeted  $\alpha$  therapy 1197  
 taxotere (docetaxel) 463  
 Tbdn-I 1824  
 Tc-99m hHMFG1 870  
 T-cell functions 168  
 tegafur 1670  
 telomerase 917, 1328  
 temozolamide 501  
 terminal care 1540  
 testis 1757  
 TGF- $\beta$  1963  
 TGF beta 257  
 theoretical model 14  
 thienopyridine 803  
 thiram 779  
 thrombosis 1813  
 thymidine phosphorylase 552,  
     1465  
 thymidylate synthase 1578  
 thyroid 917  
 thyroid cancer 1745  
 thyroid carcinoma 912  
 thyroid tumour 1909  
 thyroid tumours 1929  
 timing of surgery 1786  
 T-lymphocytes 409  
 TNF $\alpha$  1012, 1396  
 tobacco 346  
 tobacco smoke 60  
 topoisomerase 1 1634  
 topoisomerase inhibitors 1501  
 toxicity 1634  
 toxicology 1052  
 transfection 1586  
 transformation 257, 1444  
 translation 1023  
 translation control 1957  
 translation initiation factor  
     (eIFs) 1023  
 treatment by specialist 36  
 treatment preference 851  
 treatment response 552  
 triacylglycerols 963  
 trophoblastic disease 26  
 tryptophan 1691  
 tumour 26, 257, 490, 645, 788  
 tumour antigens 1824  
 tumour-associated  
     macrophages 1465  
 tumour blood flow 1604  
 tumour cells 1310  
 tumour growth 1803, 1813  
 tumour hypoxia 429, 619  
 tumour infiltrating eosinophils  
     674  
 tumour lysate 151  
 tumour markers 506, 1217  
 tumour metastasis 1597  
 tumour microcirculation 1622  
 tumour necrosis factor  $\alpha$  1174  
 tumour oxygenation 1831  
 tumour progression 940  
 tumours 1639  
 tumour size 396  
 tumour-specific marker 110  
 tumour suppression 1923  
 tumour suppressor 447  
 tumour suppressor gene 1586  
 tumour targeting 1322  
 tumour vascularity 123  
 tumour vessel 1604  
 tyrosine kinase 1472  
 tyrosine kinase inhibitor 456,  
     1518  
 ubiquitin-proteasome  
     proteolysis 1628  
 UFT 1670, 1701  
 ulcerative tumour 1124  
 uncoupling proteins 372, 612  
 under-dose 1297  
 urokinase plasminogen  
     activator 1136, 1197, 1355  
 urothelial cancer 326  
 utilities 851  
 vaccination 168  
 vaccine 336, 1529  
 vaccines 1336  
 vascular density 761  
 vascular endothelial growth  
     factor 31, 389, 552, 744  
 vascular hot spots 301  
 vascular phenotype 244  
 vasculature 645  
 VEGF 301, 417, 558, 858, 864,  
     1597, 1786  
 vinflunine 143  
 viral variant 269  
 virtual Northern blot 899  
 vitamin D 680  
 vitamin K 63  
 v-Src 463  
 vulva 924  
 vulval cancer 756  
 Waf-1 1117  
 waiting times 36  
 WiDr cell line 1162  
 Wilm's tumour 1920  
 woman 203  
 worry 1209  
 xenograft 470  
 yeast assay 750  
 ZD 1839 456, 819, 1157, 1518