



Keyword Index

Volume 7 2000

- Acid sphingomyelinase 413
Acidic environment 729
Adenovirus 706, 815
Adhesion molecules 25
Adrenergic 773
Alpha smooth muscle actin 166
Alzheimer's disease 1075
Analogues 521
Angiogenesis 292
Annexin V 645, 911
Anoikia 25
Antisense 1263
AP-1 747, 1253
Apaf-1 402, 947
APL 447
Apoptosis 10, 17, 25, 37, 48, 59, 70, 89,
102, 118, 137, 177, 189, 197, 215,
227, 241, 250, 262, 272, 282, 302,
331, 338, 350, 374, 393, 425, 461,
470, 493, 521, 531, 548, 556, 566,
574, 589, 603, 616, 628, 637, 645,
666, 675, 685, 697, 706, 712, 729,
739, 747, 761, 773, 785, 795, 804,
815, 825, 834, 843, 868, 903, 911,
916, 925, 933, 939, 947, 955, 973,
984, 994, 1002, 1027, 1035, 1063,
1071, 1081, 1090, 1101, 1109, 1127,
1146, 1174, 1182, 1192, 1200, 1225,
1234, 1244
Apoptosome 402
ATP 477
ATRA 447
Autoantigen 616
Autophagy 1263
- B cells 262
B-cell 59
Bad 574
BAK 1166
Bak 439
Bax 102, 338, 384, 511, 531, 804, 868,
947, 966, 1155, 1182
BAX 1101, 1166
Bcl-2 37, 118, 227, 368, 374, 384, 402,
556, 574, 666, 747, 804, 947, 966,
973, 1081, 1119, 1146, 1155, 1174,
1182, 1263
Bcl-2 cleavage 574
Bcl-2 family 761
Bcl-x_L 350, 402, 574, 947, 1182
BHRF1 973
BID 556, 1101
BJAB cells 628
Brca1 360
- Breast cancer 350, 439
Burkitt lymphoma 59
- c-Jun* 747
c-jun 207
c-Fos 215
CAD 616
Calcium 903
Calpain 531
Calphostin C 511
cAMP-signalling 1081
Camptothecin 197, 1090
Canale-Smith-Syndrome 538
Carbohydrate 493
Cardiomyocytes 485, 773
Caspase 70, 197, 338, 447, 477, 556,
589, 616, 654, 761, 795, 804, 834,
868, 1045, 1218, 1234
Caspase 3 984
Caspase 6 984
Caspase activation 155, 189
Caspase prodomain 155
Caspase-2 155
Caspase-independent 282
Caspases 17, 227, 331, 402, 425, 538,
628, 825, 933, 1002, 1090
Caveolae 413
CD40 785
CD4⁺CD8⁺ thymocytes 1253
CD77 785
CD95 368, 933, 1119
CD95/Fas/Apo-1 538
CD95L 916
CED-4 947
Cell cycle 10, 112, 697, 880
Cell death 48, 425, 1192
Cell differentiation 1081
Cell fractionation 384
Cell proliferation 360
Cell-free 556
Cellular nucleus 384
CEM-C7H2 leukemia cells 834
Central nervous system 272
Ceramide 197, 262, 761
Cerebellar granule cells 984
Chromosomal DNA 616
CNS 815
Collagen I 166
Complement 48
Confocal immunofluorescence
microscopy 384
cre/loxP 485
Cripto-1 189
crmA 834
- Cyclin B1-Cdc2 kinase 729
Cyclin-D3 112
Cytochrome *c* 137, 227, 331, 338, 511,
556, 1090, 1174, 1192
Cytokines 350
Cytokinesis 145
Cytoprotectant 739
Cytoskeleton 25
- DAMM 1039
DCP-1 1039
Death adaptors 155
Death by neglect 241
DECAY 1039
Dendritic cell 933
Development 1057
Differentiation 112, 292, 548, 566, 795,
843, 939, 1218
Dithiothreitol 1002
DNA damage 368, 880
DNA fragmentation 48, 477
DNA repair 272, 393
DNA-damage 10
DNases 48
Drosophila 89, 1027, 1035, 1045, 1057,
1063, 1071
Double positive thymocytes 241
Down-regulation 531
DR-nm23 843
DREDD 1039
DRICE 1039
DRONC 1039
- E1A 177, 292, 1101
Ecdysone 89, 1057
ECM 302
eIF4G 628, 1234
Endonuclease 477
Endothelial cell 292
Engulfment 911
Epithelial 302
Erk 302
Estrogen receptor 439
Etoposide 102, 197
Excitotoxicity 868, 880
Extracellular matrix (ECM) 360
- Fas 37, 80, 262, 834, 1101
Fas-induced apoptosis 413
Fas-L 37
Fas-mediated cell death 721
FGF-2 292
Filaggrin 566
FLIP 939

- Flow cytometry 739
Follicular atresia 331
- G2/M arrest 729
Galectin-1 747
GATA 113
Gene expression 360
Gene therapy 706
Genetics 1075
Germline 1071
Geodia cydonium 461
Glioma 761
Glucocorticoids 994
Granulosa 331
Granzyme 973
Granzyme B 17
Green fluorescent protein 697
Growth arrest 955
GRP78 314
- Hepatocyte 739
Hepatoma 739
Hepatotoxin 739
Hid 1045
HIV-1 25, 37
HL-60 939
HL-60 cells 1002
HL60 1263
Hypertrophy 773
Hypoxia 485
- IAP 1045
ICAD 616
IGF 1244
IGF-II 1109
IGF-IR 654
IL-2 538
IL-6 1244
Immunogenicity 911
Immunogold method 1210
Inhibitor of apoptosis 1045
Initiation factors 628
Interleukin-2 966
Interleukin-7 966
Interleukin-15 966
Intracellular ATP 721
Intracellular Ca^{2+} 925
Invertebrates 461
Ionizing radiation 227
Ipr 80
Ischaemia 880
Ischemia 773
- Keratinocyte 566, 1218
Kinase 589
Leukaemia 548
Lethal(2)giant larvae gene 89
LTB4 12-hydroxy-dehydrogenase 461
Lymphokine withdrawal 538
Lymphoma 80, 785
- Maduca sexta* 1210
Macrophage 59, 1027
Macrophages 645
Mammary epithelial cells 189, 360
Mannitol 654
MAPK 916
MAPK pathway 955
MAPK/ERK 825
MAR/SAR 425
Mass spectrometry 137
Matrix metalloproteinase 292
Max 697
Mdm2 675
Mdx 1109
Membrane asymmetry 645
Membrane microdomains 413
Membrane permeability 1192
Metabotropic glutamate receptor 470
Metamorphosis 1057
Metastasis 350
MHC class II 933
Micro-environment 59
Mitochondria 137, 227, 338, 511, 654, 666, 721, 804, 1002, 1090, 1101, 1146, 1155, 1166, 1174, 1182, 1192
Mitochondrion 973
Mitosis 145
Mitotic chromosomes 384
Molecular chaperones 1075
Multiple sclerosis 637
Muscarinic 825
Muscle degradation 1210
Muscular dystrophy 1109
Myc 80, 697
Myeloid leukaemia 1081
Myeloma 1244
- NAD 314
NAD(P)H oxidase 925
Necrosis 470
Neuroblastoma 843
Neurodegeneration 880
Neurogenesis 272
Neuronal 675
Neuronal apoptosis 207, 880
Neuronal cell death 868
Neuronal death 250, 470
Neurotrophins 880
Neutrophil 493
NF- κ B 314, 1253
Nicotinamide 314
Nicotinic acid 314
Nitric oxide 118
Nuclear matrix 425, 439
Nuclear translocation 17
Nur77 262
Nurse cell 1071
- Oligodendrocytes 712
Oligomerization 155, 1166
- Oncogene 697
Outer mitochondrial membrane 1182
Oxidative stress 207, 880, 903
- p16^{INK4A} 706
p300 177, 215
p35 485
p38 MAPK 302
p53 10, 215, 241, 368, 675, 712, 729, 880, 1035
p73 10, 880
Parkinson's disease 1075
PARP 314
Patterning 1063
PC12 cells 666
PD 98059 302
Peripheral blood lymphocytes 197
Permeability transition 137, 1146
pH 1155
Phagocytes 645
Phosphatidylserine 645
PI3-kinase 112, 825
PKA 721
PKB/Akt 825
PKC 521
PKC ϵ 1253
PLA₂ 916
Polyglutamine 1075
Potential proapoptotic molecule DD2 461
Prion protein 889
Procaspase 3/p21 complex 721
Programmed cell death 250, 272, 331, 804, 1109, 1210
Proteasome 477
Proteasome regulatory ATPase subunit 1210
Protection 118
Protein kinase C 795, 1200
Protein sequencing 628
Protein synthesis 603
Protein synthesis inhibition 1234
Protein-only hypothesis 889
Proteomics 137
PrP^C 889
PrP^{Sc} 889
Psoriasis 1218
Pyridine nucleotides 903
- Radiation 712
RAIDD 155
ras/Mek 1253
Rat brains 666
RB 177
Reactive oxygen species 282, 925
Reaper 1045
Redox signals 118
Renal cell carcinoma 1127
Resveratrol 834
Retina 282, 815

- Retinitis pigmentosa 282
Retinoids 447
Reverse signalling 916
RFX1 10
Ribosomes 994
RNA degradation 994
- Salivary acinar cells 1200
Salivary glands 89
SATB1 425
SB 203580 302
SCID 37
Scrapie 889
Serine protease 477
Serum starvation 166
SHEP 654
Signal transduction 531, 603, 1119
Signaling 589
Sjögren's syndrome 1119
Skin 1218
SMN 374
Smooth endoplasmic reticulum 666
Spinal muscular atrophy 374
Sponges 461
STAT5 955
Staurosporine 102, 250, 521
Steroid 1057
STRICA 1039
Subependyma 712
- Superoxide 118
Surface molecules 493
Survival factor 1109
Sympathetic neurons 250
Systemic lupus erythematosus 966
- T cell differentiation 37
T cell receptor-induced proliferation 413
T lymphocytes 637, 645
T-cell 80
Tamoxifen 925
Taxol (paclitaxel) 574
tBID 1166
Terminal differentiation 145
tet-ON 1263
Thiotepa 574
Thrombospondin-1 166
Thymic death 1253
Thymic epithelial cells 241
Thymus 80
Time-lapse videomicroscopy 145
TNF 1101
TNF signal crosstalk 955
Tobacco hornworm 1210
Topoisomerase I inhibitor 1127
Topotecan 1127
TRAIL 637, 1127
TRAIL receptor 939
- TRAIL/Apo2L 939
Transcription factor 215
Transformation 177, 685
Transgene mouse 1225
Transglutaminase promoter 1225
Translation initiation factor 1234
Translational control 603
Transmissible spongiform encephalopathies 889
Trophic support withdrawal 984
Tumor suppressor protein 241
Tumour cells 1081
Tyrosine kinase activation 10
- U1 snRNA 70
U1 snRNP 70
U1-70K 70
Ubiquitin 675
Ultraviolet 531
- v-Src 685
VDAC 1174
Verotoxin 785
- XIAP 815
- zVADfmk 984