



Keyword Index

Volume 4 1997

- AAL toxins 689
Actin 707
Actin filaments 140
Acute myeloid leukemia 497
Acylphosphatase 334
Ageing 242
AIDS 51, 699, 815
Alternaria alternata f. sp. *lycopersici* 689
Androgens 171, 304
Annexin V 311
Anti-oxidants 487
Antisense oligodeoxynucleotides 95
Aphidicolin 334
Apoptosis 4, 12, 21, 29, 34, 51, 59, 66, 76, 95, 105, 114, 125, 130, 150, 171, 180, 200, 209, 216, 224, 233, 242, 247, 263, 272, 276, 283, 289, 294, 304, 317, 365, 371, 378, 388, 403, 413, 429, 435, 457, 463, 473, 479, 526, 534, 548, 560, 590, 608, 617, 629, 639, 649, 684, 699, 707, 725, 733, 745, 756, 771, 787, 796, 806, 815, 824
Apoptosis, induced 51
Apoptosis, uninduced 51
ara-C 294
Arachidonic acid 479
ATP 429, 435
Atresia 180, 707
Autoantibodies 463
Autocrine growth control 824
Avian thymus 413
- B cell maturation 824
Bacillus thuringiensis 560
Bacteria 272
Baculovirus 733
Baculovirus p35 473
Bak 263
Bax 180
Bcl-2 29, 34, 82, 180, 429, 487, 526
bcl-2 294, 580
Bcl-2 family 263
Bcl-x 180, 745
Bcl-x_L 159, 526
Bcr-Abl 95, 548
Bcr-Abl translocation 806
BH-3 peptides 526
Biotrophic pathogens 671
Book reviews 166, 259
BPD-MA 623
Brown adipose tissue 771
Bryostatin 1 294
BSO 388
Butyrate 725
- Calcium 317
Calcium-binding proteins 325
Calcium-dependent potassium channels 756
Calcium/magnesium-dependent endonuclease 125
Calnexin 263
Calretinin-22k 325
CAL4-UAS system 371
Cardiomyocytes 608
Caspases 180, 378, 429, 570, 707
Caspase-4 473
Caspase-5 473
CD95 403
CED-3 378
ced-3 371
Ced-4 526
Ced-9 526
Cell cycles 304, 787
Cell death 4, 114, 188, 200, 224, 311, 396, 526
Cell differentiation 21
Cell selection 4
Cell shrinkage 756
Cell-free apoptosis 617
Ceramide 608
Chemoprevention 725
Chick 188
Chick embryo retina 209
CHX 276
Citrate phosphate buffer 276
c-jun 105
Clofibrate 224
Clonal deletion 159
Colon 725
Colon carcinoma 325
Compound eye 4
CPB 276
CPP32 34, 570, 590, 707
CPP32 protease 125
CPP32/apopain 39
CPP32/yama/apopain 623
CrmA 473
Cryptorchidism 171
Cyclin A-dependent kinase 276
Cycloheximide 276
Cysteine protease 473, 684
Cytokines 699
Cytosol 617
Cytosolic phospholipase A₂ 479
- Decidual cells 76
Development 12, 21, 209
Differential display 114, 365
Differential gene expression 365
Differentiation 4, 150, 325, 334, 713, 725, 787
1,25-Dihydroxyvitamin D3 497
1,3-Dipropyl-8-cyclopentylxanthine 639
Disease resistance 689
DNA binding proteins 497
DNA degradation 272
DNA fragmentation 95, 289, 304
- DNA-PK_{cs} 623
DNase 684
Doom 733
Drosophila 4, 371
Drosophila salivary glands 140
- E-cadherin 725
Embryo 188
Endometrium 76
Endonuclease 200, 506
Endotoxin 560
Erythroleukaemia 396
Erythropoietin 105
Excitotoxicity 317, 435
Eye 12
- Fas 130
Fibroblasts 388
Flupirtine 51
Fodrin 707
Follicles 707
Follicular atresia 59
Follicular dendritic cells 463
Fructose 555
Fruit ripening 662
Fumonisin 689
Fura-2 epifluorescence 59
Fusarium moniliforme 689
- Gas genes 247
Gastrulation 188
Genes 534
Gene expression 21
Germ cells 171
Glucose 555
Glutamate 435
Glutathione 388, 815
G2M apoptosis and mitosis 216
Go 247
Granulosa cells 59, 180, 707
Growth blockers 233
Growth factors 209
GRP78 283
- hCG 171
Hemin 334
Hepatoma cells 224
Herpes simplex virus 629
Hexose phosphorylation 555
HIV 51, 699, 815
HL-60 756
Host-selective toxins 689
HR 671
Humans 21, 403
Hyperoxia 600
- IAP 570
lap 733
IAP1 733
ICE 125, 180, 378, 570, 707

- ice* 371
 ICE-like proteases 39
 ICH-1 378
 IKB- α 130
 IKB- β 130
 Immune system 242
 Immunoglobulin light-chain rearrangement 580
 Immunology 699
 Integrins 713
 Interferon- γ 150, 713
 Interleukin-1 β -converting enzyme 125, 378, 570, 707
 Interphase chromosome condensation 796
 Intracellular free calcium 59
 Intracellular pH 125
 Ischemia 608

 JAK2 105
 Jurkat T cells 39

 K562 233
 K562 cell line 334

 L929 cells 779
 L-type channels 317
 Lamins 435
 LDH 463
 Lectins 365
 Lens 21
 Leukemia 639, 806
 Leukotriene B₄ 396
 Lineage switch 580
 Lipxygenase 396
 5-Lipxygenase 479
 LMPCR 66
 Long-term non-progressors 815
 LT-SV40 247
 Lymph nodes 463
 Lymphocytes 51
 Lymphocyte differentiation 580

 Mch 3, 590
 Mammary gland 114
 MAP kinases 82, 105
 Matrix 506
 Melanoma 396
 Methionine synthase 233
 Mice programmed cell death 21
 Micrococcal nuclease 796
 Microtubules 140
 Mimosine 304
 Mitochondria 429, 435
 Mitochondrial transmembrane potential 443
 Mitotic apoptosis 216
 Mitotic catastrophe 796
Mod(mdg4) 733
 Monoclonal antibodies 617
 Monocytic differentiation 497
 Monocytoid cells 629
 Mosquitos 560
 Mouse embryos 311
 Mouse mammary tumour virus 283
 Multi-drug resistance 806
 Mycophenolic acid 787

 Nafenopin 224
 Necrosis 224, 429, 600, 684
 Necrotrophic pathogens 671
 Nedd-2 570
 Nerve growth factor 82
 Neuritogenesis 713
 Neuroblastoma 150, 396, 713
 Neurons 51
 NF- κ B 130
 Non-progressors, long-term 815
 Noradrenaline 771
 Nuclear translocation 325
 Nuclease assays 200
 Nucleosomal ladders 66

 Oleic acid 600
 Oligonucleosomes 506
 Oncogenes 548
 Oocytes 180
 Organ senescence 662
 Oxidative bursts 671
 Oxidative stress 216

 p35 473, 570
 p53 180, 247, 289
 PARP 29, 623
 PBS 276
 PDT 623
 Permeability transition 443
 Peroxisome proliferators 224
 Phagocytosis 311
 Phosphate-buffered saline 276
 Phosphatidylinositol-3-kinase 548
 Phospholipids 311, 608
 Phosphomono-hydrolase 334
 Photodynamic therapy 623
 Plants 272, 649
 PMA 334
 Poly(ADP ribose) polymerase 34
 Polymerase chain reactions 771
 Population suicide 216
 Potassium 756
 Pre-B cells 580
 Prepuberty 171
 Progesterone 76
 Programmed cell death 12, 140, 171, 263, 365, 371, 443, 457, 600, 649, 684, 699
 Proliferation 325
 Promoters 534
 Prostate gland 114, 304
 Proteases 29, 443, 457, 590, 649
 Protease activation 378
 Protein kinase C 294
 14-3-3 protein 272
 Proteolysis 707

 Radiation 242, 276
 Ras 745
 Rats 21
 Rb 125
 Rel/NF- κ B 413
 Reperfusion 608
 Resistance 671
 Retina 21
 Retinitis pigmentosa 21
 Retinoic acid 713

 Retinoids 534
 Ribosome 289
 rRNA cleavage 289
 RU-486 76

Saccharomyces cerevisiae 555
 SAPK/JNK 745
Schizosaccharomyces pombe 263
 Serum adhesive proteins 779
 SH2- and SH3-containing adaptor proteins 82
 SICD 555
 Signal transduction 403
 Sodium 756
 Sodium/potassium-ATPase 756
 Spermatogenesis 171
 Staurosporine 34
 Sugar-induced cell death 555
 Superantigens 159
 Suppression and negation of plant defences 671
 Survivorship 662

 T cell receptors 403
 T lymphocytes 403, 639, 699
 Targets of proteases 457
 Terminal differentiation 824
 Testosterone 171
 TGF- β 779
 TGF- β , 725
 Therapy 639
 THP.1 cells 590
 Thymocytes 39, 159, 506
 Tissue transglutaminase 534
 TNF 479, 487, 779
 TNF- α 130, 188, 463, 771
N-Tosyl-L-phenylalanyl chloromethyl ketone (TPCK) 590
 TPEN 39
 Tracheary element differentiation 684
 Transcobalamin 233
 Transcriptional factors 413, 497
 Transforming growth factor- β and - β ₁ 725, 779
 Transgenes 534
 Transgenic mice 159
 TrkA receptor tyrosine kinase 82
Trypanosoma brucei rhodesiense 365
 Tumour necrosis factor 479, 487, 779
 Tumour necrosis factor- α 130, 188, 463, 771
 Tyrosine kinase inhibitors 779
 Tyrosine phosphorylation 403

 U1-70K ribonucleoprotein 34
 U937 479, 617
 Uncoupling proteins 771
 Uterus 76

 Vanadyl(4) 216
 Viral envelope glycoprotein precursors 283
 Viral infection 629
 Vitamin D receptors 497
 Vitamin D3 325
 VP-16 487

 Zinc 39, 125