

Keyword Index

Volume 9 2002

- ϵ (γ -glutamyl)lysine cross-links 873
2D electrophoresis 671
- $A\beta$ domain 199
Acetylcholinesterase 790
Actin cytoskeleton 493
Adenine nucleotide translocator 179, 1212
Adenovirus 287, 626
Adhesion 768
Aging 431, 651
Akt 1147
Alloimmune response 661
Alternative splicing 1334
Alzheimer 1294
Alzheimer's disease 199
Amastigote 53
Amphioxus 1078
Amphotericin B 53
Amyloid precursor protein 199
Amyotrophic lateral sclerosis 1294
Angiogenesis 1196
Annexin V 742
Anoikis 995
Antibodies 710
Apaf-1 832
Apaf-1 apoptosome 881
APO-1/Fas, apoptosis 1256
Apoptosis 6, 20, 27, 65, 82, 104, 113, 125, 138, 169, 179, 199, 209, 237, 246, 252, 274, 287, 301, 322, 329, 367, 405, 414, 421, 431, 439, 448, 457, 486, 505, 513, 538, 561, 598, 609, 616, 626, 636, 643, 651, 661, 671, 682, 710, 742, 750, 758, 768, 790, 818, 832, 856, 893, 915, 926, 934, 945, 956, 972, 981, 995, 1017, 1031, 1046, 1063, 1069, 1078, 1090, 1099, 1140, 1147, 1172, 1996, 1207, 1212, 1220, 1240, 1248, 1266, 1287, 1311, 1321, 1334, 1352
Apoptosis in undifferentiated cells 1007
Apoptosome 1031
- Arachidonic acid 1368
ARL1 158
Atopy 915
ATP 169
Autoimmune disease 274
Autoimmunity 457, 915
Autophagic death 158
Autophagy 581, 873
Axonal guidance 1279
Axotomy 1343
- B-myb 1232
Bacteria 367
Bacterial 394
Baculovirus 1311
Bad 113
BAD 1240
Bag1 405
Bax 65, 158, 750, 881, 1017
Bcl-2 82, 505, 750, 905, 1063
Bcl-2 family 145, 945, 1240
Bcl-x 1147
Bcl-x_L 856
Benzamide riboside 169
Betulinic acid 189
BH3 domain 1240
BH3-only proteins 505
Bid 145, 934, 963
Bipolar spindles 702
Blebbing 493
Blood pressure 219
Brain ischemia 818
- Calcium 561, 734, 818
Calpain 734
Cancer 179, 750, 1334
Cardiac rupture 1196
Caspase 20, 301, 486, 726, 926, 972, 981, 1031, 1046, 1207, 1266, 1311,
Caspase-1 1115
Caspase-2 832
Caspase-3 199, 322, 636, 682, 905, 1115
caspase-7 322, 1115
caspase-8 905, 945, 963, 1172, 1196
Caspase-9 82, 636, 832, 905, 945
Caspase-11 1115
Caspase-12 1108
Caspase-14 995
- Caspase-independent 1220, 1321
Caspase-independent cell death 807
Caspases 125, 818, 881, 915, 1063, 1078, 1287
Catalase 682
CD178/FasL gene 431
CD8⁺ T cells 651
CD95 881, 1256
CD95/Apo-1/Fas gene 431
CD95/Fas 598
Cell cycle 219, 1294
Cell cycle arrest 1352
Cell cycle genes 421
Cell death 65, 421, 734, 750, 1287, 1343, 1368
Cell differentiation 1185
Cell fate 842
Cell growth 448
Cell survival 915
Cell volume 643
Cellular activation 643
Central vacuole 158
Ceramide 574, 682
Cerebellar granule neurons 609
Cerulein 1017
c-FLIP 138
Chemotherapy 893
Chromatin condensation 671
Clearance 457
c-myc 513
CNS 145
Colon carcinoma 768
CSM 14.1 cells 405
Cyclic GMP 1248
Cyclin A 1232
Cyclin D1 1232
Cyclin-dependent-kinases 1294
Cyclobutane pyrimidine dimers 1099
Cyclophosphamide 421
Cysteine proteases 1126
Cysteine proteinase 65
Cytochrome c 65, 189, 538, 945, 1046
Cytomegalovirus 1212
Cytoskeleton 598, 1294
- Death effector domain 439
- Death inducing signaling complex 1266
Death receptor 5 274, 598, 926
Death receptors 287
Decoy receptor 274
DEDD 439
Defense responses 726
Demyelination 758
Development 145, 1063, 1279
Dexamethasone 6
Diabetes 457
Diablo 710
Differentiation 209, 842, 1232
Distribution 710
dIp2 158
DNA degradation 104
DNA digestion 956
DNA fragmentation 27, 65, 561, 1126
Drug resistance 287
dsRNA 981
- Ecdysone 581
EF-1 α 856
Embryo competition 1057
Embryo elimination 1057
Endometrial carcinoma cell lines 414
Endonuclease 956
Endoplasmic reticulum 734
Endothelin-1 219
Epithelial cells 995
ER 856
ER stress 1108
ERK 893, 963
ERK2 448
Eukaryotic apoptosis 394
Evolution 65, 367
Extracellular matrix 1360
- Fas 329, 574, 626, 1266
FAS 972
Fatty acid synthase 1017
Female gametophyte 1057
Fibroblasts 125
Fibronectin 219
FLAME-1 439
FLIP 439
Flower 309
Focal adhesion 1360
FTase 702

- FTIs 702
 Fungal elicitor 726
 Fura Dextran 561
- Galectin-1 661
 Ganglioside 758
 GD3 609
 Gene duplication 1078
 Glucocorticosteroid 6
 Glutamyl-polyamines 309
 Glycolysis 1147
 GPI 329
 Growth factor 856
 Growth suppression 414
 GSH 252
 GSH/GSSG ratio and apoptosis 1007
- Heat shock 1140
 Hemorrhage 1196
 Hepatocyte 626
 Histones 27
 HIV 1172
 HIV-1 protease 1172
 Host-parasite interaction 1126
 HSP25 448
 HtrA2 20
 Human immunodeficiency virus 1212
 Huntingtin 873
 Hypoxia/reoxygenation (H/R) 717
- IGF-IR 768
 IL-1 β 1115
 Infectious pancreatic necrosis virus 113
 Inflammation 643
 Inflammatory cytokine 274
 Influenza virus 651
 Inhibition of cell death 448
 Insulin-like growth factor-1 682
 Interferon 981
 Interferon gamma 274
 Intermediate filament 486
 Ischaemia 1140
- Jagged 842
 JNK/SAPKs 574
 Jurkat cells 574
- Keratin 486
 Keratinocytes 549, 995
 Kinase 893
 Kupffer cells 626
 Kynurenines 1069
- LEDGF/p75 915
- Leishmania major* 65
Leishmania 53, 1126
 Leukemia 6
 Leukemia cells 513
 Light 1220
 Lung cancer 893
 Lymphoma 6
 Lysosomes 934
- Macrophages 104, 643
 MALDI-PSD 301
 MAP kinases 1090
 MCF-7 322, 527, 905
 MEK 963
 Membrane traffic 158
 Metamorphosis 581
 Microdomains 329
 Microglia 758, 801
 Misfold protein 264
 Mitochondria 20, 65, 82, 179, 189, 252, 301, 750, 758, 926, 1031, 1207
 Mitochondrial apoptosis signaling 1007
 Mitochondrial membrane potential 963
 Mitochondrial permeability transition pore complex, cytochrome c 1172
 Mitochondrial ROS and permeability Transition pore 1007
 Mitomycin C 905
 Mitosis 702
 Monoclonal antibody 832
 Mouse brain development 405
 MT1-MMP 1360
 Mutants 1279
 Myeloid cells 1185
 Myosin light chain 493
- NAD(P)H oxidase 717
 Necrosis 169, 538, 981, 1126, 1321
 Neuroblastoma 246, 1232
 Neurodegeneration 264, 873, 1294
 Neurodevelopment 1294
 Neurogenesis 1279
 Neurokinin-1 receptor 807
 Neuronal apoptosis 145
 Neuronal cultures 609
 Neuronal death 807
 Neuronal differentiation 405
 Neuroprotection 405
 Neurotoxicity 801
 NF- κ B 527, 972, 1090, 1256
Nicotiana tabacum 309, 726
 Nitric oxide 643, 1248
- NK- κ B 842
 Non-apoptotic programmed cell death 807
 Noncholinergic 790
 Notch 842
 Npe6 934
 NUC-1 956
 Nuclear inclusions 873
 Nuclear scaffold 671
- Olfactory epithelium 1279
 Olfactory neurons 1343
 Oligodendrocyte 758
 Oligonucleotide microarrays 1185
 Omi 20
 Oncogene 237
 Oncosis 734
 Osteopetrotic mouse 801
 Ovarian carcinoma 287, 636
 Oxidants 616
 Oxidative stress 682
- p35 1311
 p49 1311
 p53 237, 527, 702, 1017
 p53 activation 527
 p53 phosphorylation 1352
 p73 237, 246
 PA28 γ 322
 Paracrine 1343
 Parthenolide 1256
 Pentostam 53
 Permeability transition 82
 Peroxynitrite 1368
 P-glycoprotein 1266
 Phagocytosis 493, 616, 742, 956
 Phosphatidylinositol-3 kinase 682
 Phosphatidylserine 616
 Phospholipase A₂ 1368
 Phosphorylation 1240
 Phosphorylation 27
 Photodynamic therapy (PDT) 934
 Photoreactivation 1099
 Photoreceptor 1220
 PI3-kinase 1147
 Piriform cortex 1279
 PKC 40
 Plant 189
 Plant seed 1057
 Platinum complex 1352
 Polyembryony 1057
 Polyglutamine 264
 Polymorphism 431
 Postmitotic neurons 199
 PPAR γ 513
 PPAR 842
- Primary human and rat hepatocytes 945
 Probiotic 179
 Prognostic factors 246
 Programmed cell death 53, 189, 309, 367, 505, 549, 1057, 1063, 1126
 Promastigote 53
 Propionibacteria 179
 Prostate 561
 Protein accumulation 264
 Protein kinase C 40
 Psoriasis 549
 PTEN gene 414
 PUVA therapy 549
- Rac 493
 Rac1 717
 Radiosensitivity 963
 Ras 209, 702
 Reactive oxygen species (ROS) 252, 717, 981
 Redox 252
 Redox factor-1 (ref-1) 717
 Redox imbalance 1007
 Renal proximal tubule 734
 Reovirus 926
 Retinitis pigmentosa 1220
 Retinoblastoma 1063
 Reversed-caspase-7 322
 Rho 493
 RNA transcription 1099
 ROCK 493
- Senescence 309
 Serine protease 20, 972
 Serine protease 972
 Short-chain fatty acid 179
 Signal transduction 505
 Single-celled eukaryotes 367
 Skeletal myoblast 209
 Skin 842
 Smac 710
 Smac/DIABLO 881
 Spermatogenesis 742
 Spermene 309
 Sphingomyelinases 1248
 Starvation 574
 STAT-1 1140
 Staurosporine 414
 Steroid hormone 581
 Subcellular localisation 832
 Substance P 807
 Survivin 1334
 Symbiosis 367
 Systemic autoimmunity 538
- T cells 1069, 1256
 Taxol 636

- tBid 20, 301
Tcf-4 513
tert-butylhydroperoxide 1007
ter94/VCP 264
TFIIIC 439
Th1/Th2 cells 1069
Thymus 104
TIMP2 1360
Tissue 710
Tissue plasminogen activator 801
- TNF 138, 486, 768, 1321
TNF α 527, 626, 972, 1090
Tolerance 661
Tracheary element 189
TRAF-2 138
Transcriptional control 1140
Transcriptional regulation 581, 995
Transfection 414
Tryptophan catabolism 1069
Tumor 750
- Tumor suppressor 237
Tumour necrosis factor- α 1248
Tunicamycin 1108
Type II cell death 158
Tyrosine kinase 113
- Ultraviolet 40
Unicellular eukaryote 65
UV 40
UV radiation 598
- Vascular remodelling 219
Virus replication 113
- Whole-embryo culture 1196
Whole-mount TUNEL 1078
- XIAP 881
- Yeast 158
Yeast two-hybrid 322