Key Word Numbers

A

001 absorption
002 acetylcholine
003 acetylcholinesterase
004 acetyltransferase
005 acidosis
006 acquired immunodeficiency syndrome (AIDS)
007 actin
008 action potential
009 active oxygen
010 adaptation
011 addiction
012 adenine
013 adenine nucleotide
014 adenosine
015 adenosine receptor
016 adenylate cyclase
017 adhesion
018 adipocyte
019 adipose tissue
020 ADP-ribosylation
021 adrenal cortical hormone
022 adrenal gland
023 adrenaline (epinephrine)
024 adrenergic alpha receptor
025 adrenergic beta receptor
026 adrenergic blocker
027 adrenergic system
028 adrenoceptor
029 adrenocorticotropic hormone (ACTH: corticotropin)
030 affection (emotion)
031 afferent nerve
032 aggressive behavior
033 aging
034 agonist
035 air pollution
036 airway
037 albumin
038 alcohol dehydrogenase
039 aldehyde dehydrogenase
040 aldose reductase
041 alkaloid
042 allergy
043 alveoli
044 ammonia
045 amygdala
046 amylase
047 amyloid
048 amyloid beta-protein
049 analgesia
050 analgesic
051 anaphylaxis
052 androgen
053 anesthesia
054 anesthetic
055 angiotensin
056 angiotensin converting enzyme
057 angiotensin receptor
058 angiotensinogen
059 anion channel
060 antacid
061 antagonist
062 anthelmintic
063 antiallergic agent
064 antianginal agent
065 antiarrhythmic agent
066 antiasthmatic agent
067 antibiotic
068 antibody
069 antibody-dependent cell cytotoxicity
070 anticarcinogenic agent
071 anticholinergic agent
072 anticoagulant
073 anticonflict
074 anticonvulsant
075 antidepressant
076 antidiabetic
077 antidiarrheal
078 antidiuretic
079 antidiuretic hormone (ADH)
080 antiemetic
081 antifungal agent
082 antigen
083 antihyperlipidemic agent
084 antihypertensive agent
085 antiinfective agent
086 antiinflammatory agent
087 antineoplastic agent
088 antioxidant
089 antiparkinson agent
090 antipsychotic drug
091 antirheumatic agent
092 antisecretory agent
093 antisense
094 antispasmodic
095 antithrombin
096 antithyroid agent
097 antitussive
098 antiulcer agent
099 antiviral agent
100 anxiolytic
101 aorta
102 apolipoprotein
103 apoptosis
104 appetite
105 aprotinin
106 arachidonic acid
107 arginine
108 arrhythmia
109 artery
110 astrocyte
111 astrocytoma cell
112 ATP
113 ATPase
114 atrial natriuretic peptide (ANP)
115 autacoid
116 autoimmunity
117 automaticity
118 autonomic ganglion
119 autonomic nervous system
120 autoradiography
121 autoreceptor
122 avoidance
123 axon
124 axonal transport

B

125 B-cell
126 barbiturate
127 baroreceptor
128 basal ganglia
129 basilar artery
130 basophil
131 behavior
132 benzodiazepine receptor
133 benzodiazepine
134 bicarbonate ion
135 bile
136 bile acid
137 binding assay
138 bioavailability
139 biogenic amine
140 blood
141 blood pressure
142 blood-brain barrier
143 body temperature
144 bone
145 bone marrow
146 bone resorption
147 bradykinin
148 brain
149 brain stem
150 brain-derivative neurotrophic factor (BDNF)
151 bronchoconstrictor
152 bronchodilator
153 bronchus
154 brown adipocyte

C

155 C-peptide
156 Ca^{2+} ATPase
157 Ca^{2+} channel
158 Ca^{2+} current
159 caffeine
160 calcification
161 calcitonin
162 calcitonin gene related peptide (CGRP)
163 calcium
164 calcium ionophore
165 calcium mobilization
166 calcium oscillation
167 calcium sensitivity
168 calcium-binding protein
169 calcium/calmodulin-dependent protein kinase
170 calmodulin
171 cancer
172 cannabinoid
173 capsaicin
174 carbohydrate
175 carbon dioxide
176 carbon monoxide
177 carboxylase
178 cardiac conduction system
179 cardiac glycoside
180 cardiac muscle
181 cardiac myocyte
182 cardiotonic agent
183 carotid artery
184 carrageenin
185 carrier protein
186 catalase
187 catalepsy
188 catechol-*O*-methyltransferase (COMT)
189 catecholamine
190 cathepsin
191 cation channel
192 caudate nucleus
193 cDNA
194 cell adhesion
195 cell aggregation
196 cell cycle
197 cell death
198 cell growth
199 cell injury
200 cell interaction
201 central nervous system
202 centrally acting muscle relaxant
203 cerebellum
204 cerebral artery
205 cerebral cortex
206 cerebral ischemia
207 cerebral metabolic enhancer
208 cerebral vasodilating agent
209 cerebrospinal fluid
210 cerebrum
211 chelating agent
212 chemiluminescence
213 chemoreceptor
214 chemoreceptor trigger zone (CTZ)
215 chemotactic factor
216 chemotaxis
217 chemotherapy
218 Chinese medicine
219 chloride
220 cholecystokinin
221 cholesterol
222 choline
223 choline acetyltransferase
224 cholinergic fiber
225 choroid plexus
226 chromaffin cell
227 chromosome
228 circadian rhythm
229 circular muscle
230 Cl^- channel
231 Cl^- pump
232 Cl^--current
233 clearance
234 clinical study
235 clinical trial
236 cloning
237 coagulant
238 coagulo-fibrinolytic system
239 coenzyme
240 collagen
241 colon
242 colony-stimulating factor (CSF)
243 complement
244 conditioned behavior
245 conditioned reflex
246 conjunctiva
247 contact hypersensitivity
248 contractile protein
249 convulsant
250 coronary artery
251 coronary circulation
252 cough
253 cross-talk
254 culture
255 cyclic ADP-ribose
256 cyclic AMP
257 cyclic AMP-dependent protein kinase
258 cyclic GMP
259 cyclic GMP-dependent protein kinase
260 cyclooxygenase
261 cytochrome P-450
262 cytokine
263 cytoprotection
264 cytoskeleton
265 cytosol

D

266 deficiency
267 degeneration
268 degranulation
269 dehydrogenase
270 delayed neuronal death
271 delayed-type hypersensitivity
272 dendrite
273 dentate gyrus
274 dependence
275 depolarization
276 depression
277 desensitization
278 detoxication
279 diacylglycerol
280 3,4-dihydroxyphenylacetic acid (DOPAC)
281 discrimination
282 disease
283 distribution
284 diuretic
285 DNA
286 DNA-binding protein
287 dopamine
288 dopamine receptor
289 dopaminergic system
290 dorsal root ganglion
291 down-regulation
292 drug delivery system (DDS)
293 drug efficacy
294 drug interaction
295 drug monitoring
296 duodenum
297 dura mater

E

298 ear
299 eicosanoid
300 elastase
301 electric spin resonance (ESR)
302 electrical stimulation
303 electrocardiography (ECG)
304 electroencephalography (EEG)
305 electron transport
306 embryo
307 endocardium
308 endocrine gland
309 endocrine system
310 endogenous factor
311 endometrium
312 endopeptidase
313 endoplasmic reticulum
314 endothelial cell
315 endothelin
316 endothelium

E

317 endothelium-derived relaxation
318 endothelium-derived relaxing factor
319 endotoxin
320 energy metabolism
321 enterohepatic circulation
322 enzyme induction
323 eosinophil
324 epidermal growth factor
325 epithelium
326 erythroblast
327 erythrocyte
328 erythropoietin
329 esophagus
330 estrous cycle
331 excitatory amino acid
332 excitatory postsynaptic potential (EPSP)
333 excretion
334 exocytosis
335 expectorant
336 expression
337 extracellular matrix
338 extravasation
339 eye

F

340 fatty acid
341 feeding
342 femoral artery
343 fetus
344 fibrinogen (factor I)
345 fibrinolytic agent
346 fibroblast
347 fibroblast growth factor
348 foam cell
349 follicle-stimulating hormone (FSH)
350 forced swimming
351 forebrain
352 free radical
353 free radical scavenger

G

354 GABA receptor
355 GABAergic system
356 gamma-aminobutyric acid (GABA)
357 gap junction
358 gastric acid
359 gastric gland
360 gastric mucin
361 gastric mucosa
362 gastric parietal cell
363 gastrin
364 gastrin receptor
365 gastrointestinal hormone
366 gelsolin
367 gene
368 gene expression
369 gene mapping
370 gerbil
371 gingiva
372 glial cell
373 glioma cell
374 globulin
375 glomerulus
376 glucagon
377 glucocorticoid
378 glucosamine
379 glucose
380 glucose-sodium transport system
381 glucuronyltransferase
382 glutamic acid
383 glutamic acid receptor
384 glutamine
385 glutamyltransferase
386 glutathione
387 glutathione S-transferase
388 glycine
389 glycolysis
390 glycoprotein
391 Golgi apparatus
392 gonadotropin
393 gonadotropin-releasing hormone
394 growth
395 growth factor receptor
396 GTP-binding protein (G-protein)
397 GTPase
398 GTPase activating protein (GAP)
399 guanylate cyclase

H

400 hair
401 heart
402 heart atrium
403 heart rate
404 heart ventricle
405 heat-shock protein
406 heavy metal
407 hemodynamics
408 hemostasis
409 heparin
410 hepatic first-pass effect
411 hepatocyte
412 herbal medicine
413 hippocampus
414 histamine
415 histamine receptor
416 histaminergic system
417 histidine decarboxylase
418 HMG CoA reductase
419 homovanillic acid (HVA)
420 hydrogen peroxide
421 hydrolase
422 γ-hydroxybutyric acid
423 hyperactivity
424 hypercholesterolemia
425 hyperglycemia
426 hyperlipoproteinemia
427 hyperpolarization
428 hypersensitivity
429 hypertension
430 hypertrophy
431 hypnotic
432 hypotension
433 hypothalamus
434 hypoxia

I

435 ileum
436 immune system
437 immune tolerance
438 immunodeficiency
439 immunoglobulin
440 immunomodulatory agent
441 immunoreactivity
442 immunosuppresive agent
443 immunosuppression
444 influx
445 informed consent
446 inhibition
447 inhibitor
448 inhibitory neurotransmitter
449 inhibitory postsynaptic potential (IPSP)
450 inositol 1,4,5-triphosphate (IP_3)
451 inositol phosphate
452 inotropic agent
453 insulin
454 insulin receptor
455 insulin-like growth factor
456 integrin
457 interferon
458 interleukin
459 intestine
460 intracellular localization
461 intracellular pH
462 inverse agonist
463 inward current
464 ion channel
465 ion exchange
466 ion influx
467 iontophoresis
468 IP_3 receptor
469 iris
470 iron
471 ischemia

I

472 ischemia-reperfusion injury
473 isozyme
474 itching

K

475 K^+ channel
476 K^+-channel opener
477 K^+-current
478 kallikrein
479 kidney
480 kidney cortex
481 kinase
482 kinin
483 kininase
484 kininogen

L

485 LDL lipoprotein
486 learning
487 lectin
488 leukocyte
489 leukotriene
490 life span
491 limbic system
492 lipase
493 lipid
494 lipid metabolism
495 lipid peroxidation
496 lipolysis
497 lipopolysaccharide
498 lipoprotein
499 lipoprotein lipase
500 liposome
501 lipoxygenase
502 lithium
503 liver
504 locomotor activity
505 locus coeruleus
506 long-term potentiation
507 longitudinal muscle
508 loop of Henle
509 low molecular weight GTP-binding protein
510 lung
511 luteinizing hormone (LH)
512 lymphocyte
513 lymphokine
514 lysolecithin
515 lysophospholipase
516 lysophospholipid

M

517 macrophage
518 magnesium
519 mammary gland
520 mast cell
521 mast cell degranulating peptide
522 maze
523 mechanoreceptor
524 medial septum
525 medical ethics
526 medulla oblongata
527 megakaryocyte
528 melanin
529 melanocyte
530 membrane fusion
531 memory
532 mesangium
533 mesencephalon
534 mesenteric artery
535 metabolism
536 metabotropic glutamic acid receptor
537 metabotropic receptor
538 metal
539 metallothionein
540 methamphetamine
541 methicillin resistance
542 Mg^{2+}-ATPase
543 microcirculation
544 microdialysis
545 microglia
546 microinjection
547 microsomal drug-metabolizing system
548 microsome
549 microtubule-associated protein (MAP)
550 microtubule-associated protein kinase
551 micturition
552 mitochondria
553 mitogen
554 monoamine
555 monoamine oxidase (MAO)
556 monoclonal antibody
557 monocrotaline
558 monocyte
559 mood stabilizer
560 morphine
561 motion
562 motor neuron
563 mRNA
564 mucin
565 mucous membrane
566 mucus
567 muricide
568 muscarinic receptor
569 muscle
570 muscle cell
571 mutagenesis
572 mutant mouse
573 mutation
574 myelin
575 myelin basic protein
576 myeloperoxidase
577 myocyte
578 myofibril
579 myosin
580 myosin light chain kinase

N

581 N-methyl-D-aspartate (NMDA)
582 N-methyl-D-aspartate (NMDA) receptor
583 Na^+-H^+ exchange
584 Na^+-K^+ ATPase
585 neocortex
586 neonate
587 neoplasm
588 nerve ending
589 nerve growth factor
590 neurite
591 neurite outgrowth
592 neurite outgrowth factor
593 neuroblastoma cell
594 neurodegeneration
595 neuroeffector junction
596 neuroendocrine system
597 neurokinin
598 neuromodulator
599 neuromuscular blocking agent
600 neuromuscular junction
601 neuron
602 neuronal death
603 neuronal plasticity
604 neuropeptidase
605 neuropeptide
606 neuropeptide Y
607 neurosteroid
608 neurotensin
609 neurotoxin
610 neurotransmitter
611 neurotransmitter turnover
612 neurotransmitter uptake inhibitor
613 neutrophil
614 nicotine
615 nicotinic receptor
616 Nissl body
617 nitric oxide (NO)
618 nitric oxide synthase
619 nitroglycerin
620 nociception
621 non-adrenergic non-cholinergic (NANC) inhibitory nerve
622 non-NMDA receptor
623 non-steroidal antiinflammatory agent
624 nootropic agent

783 serum
784 serum-free culture medium
785 sex difference
786 sex hormone
787 shock
788 sigma receptor
789 signal transduction
790 skeletal muscle
791 skin
792 skin reaction
793 skinned fiber
794 slow-reacting substance
795 smoking
796 smooth muscle
797 snake venom
798 sodium channel
799 somatostatin
800 spasm
801 spatial cognition
802 species difference
803 sperm
804 sphingolipid
805 sphingosine
806 spinal cord
807 spinothalamic tract
808 splanchnic nerve
809 spleen
810 spontaneous activity
811 spontaneously hypertensive rat (SHR)
812 stereospecificity
813 stereotyped behavior
814 steroid hormone
815 steroid hormone receptor
816 stomach
817 streptozotocin
818 stress
819 striatum
820 stroke-prone SHR (SHR-SP)
821 structure-activity relationship
822 submucosal plexus
823 substance P
824 substantia nigra
825 subtype
826 subunit
827 sulfhydryl reagent
828 sulfonamide
829 superoxide
830 superoxide dismutase
831 supersensitivity
832 suprachiasmatic nucleus
833 surfactant
834 swelling
835 sympathetic nervous system
836 sympatholytic
837 synapse
838 synapsin
839 synaptic membrane
840 synaptic transmission
841 synaptic vesicle
842 synaptosome
843 synergism
844 synovial membrane

T

845 T-cell
846 tachykinin
847 tachyphylaxis
848 taenia caecum
849 tau protein
850 tegmental area
851 tegmentum mesencephali
852 teratogen
853 teratogenicity
854 tetrahydrobiopterin
855 tetrodotoxin (TTX)
856 thrombin
857 thrombolytic
858 thromboxane
859 thromboxane receptor
860 thymocyte
861 thymus
862 thyroid gland
863 thyroid hormone
864 thyroid-stimulating hormone (thyrotropin: TSH)
865 thyrotropin receptor
866 thyrotropin-releasing hormone (protirelin)
867 tolerance
868 toxicity
869 toxin
870 trachea
871 transcription
872 transcription factor
873 transducin
874 transforming growth factor
875 transgenic animal
876 translation
877 transplantation
878 transport
879 transporter
880 tricyclic antidepressant
881 trigeminal nucleus
882 triglyceride
883 trypsin
884 tumor marker
885 tumor necrosis factor (TNF)
886 tumor promotor
887 tyrosine hydroxylase
888 tyrosine kinase
889 tyrosine phosphatase

U

890 unsaturated fatty acid
891 uptake inhibitor
892 uptake system
893 ureter
894 uric acid
895 uricosuric agent
896 urinary bladder
897 urinary tract
898 urine
899 uterus

V

900 vagus nerve
901 vas deferens
902 vascular bed
903 vascular endothelial cell
904 vascular permeability
905 vascular smooth muscle
906 vasoactive intestinal peptide (VIP)
907 vasoconstrictor
908 vasodilator
909 vasomotor system
910 vasopressin
911 vein
912 vena cava
913 vestibular nucleus
914 virus
915 visual cortex
916 vitamin
917 voltage clamp
918 vomiting
919 vomiting center

W

920 water-electrolyte balance
921 whole cell recording
922 withdrawal syndrome

X

923 xanthine derivative
924 xanthine oxidase
925 *Xenopus* oocyte
926 xerostomia