

Appendix: Screenshots from Olfaction Keyword (MeSH) Database (2010)

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From Corpus/Phylogenetic Analysis Olfactory Receptor & GPCR Families (Primate & Xenopus)

<http://www.nabslab.com/mcnair>

Select 1 View View
MeSH Keyword (338) Collection of Related Research Set Research Keywords
Max. 1,945

1

Select 1
MeSH Keyword (338)

View
Collection of Related Research
Max. 1,945

View
Set Research Keywords

The interface displays a MeSH keyword selection tool. On the left, a tree view shows 338 MeSH keywords, with 'gtp binding proteins' selected. The central panel shows a list of 1945 research articles, with the first article highlighted: 'ZTMRmine: a Web server for hierarchical mining...'. The right-hand panel shows 12 tags: Biotinylation, Endopeptidases, Humans, Microspheres, Models, Biological, Pichia, Protein Structure, Tertiary, Receptors, G-Protein-Coupled, Recombinant Fusion Proteins, Spharose, Solubility, and Streptavidin. Below this, 11 tags are listed: Animals, Gene Dosage, Genome, Mammals, Methylation, Pseudogenes, RNA, Ribosomal, RNA, Small Nucleolar, Statistical Distributions, and Vertebrates.

Title	Creator	D...	Y...	(?)
ZTMRmine: a Web server for hierarchical mining...	Lu et al.	20...	20...	
A combined approach for the classification of G...	Et al.	Au...	20...	
A comparison of reptilian and avian olfactory rec...	Steiger...	20...	20...	
A genome-wide inventory of neurohormone GPC...	Hauser...	ja...	20...	
A monoclonal antibody for G protein-coupled rec...	Day et al.	No...	20...	
A novel tachykinin-related peptide receptor of O...	Kanda...	M...	20...	
A novel, generic and effective method for the rap...	Magnin...	M...	20...	
A review of neurohormone GPCRs present in the ...	Hauser...	Se...	20...	
A role for GPRx, a novel GPR3/6/12-related G-pr...	Rios-C...	M...	20...	
A Xenopus tropicalis oligonucleotide microarray ...	Chalme...	M...	20...	
Accessory proteins are vital for the functional ex...	Cooray...	M...	20...	
Adhesion-GPCRs: emerging roles for novel recep...	Yona e...	Oc...	20...	
Albumin phylogeny for clawed frogs (Xenopus)	Bisbee...	Fe...	19...	
Allosteric modulators of g protein-coupled recep...	Wang e...	No...	20...	
Alternative splicing of G protein-coupled recepto...	Markov...	Oc...	20...	
Alternative splicing of the G protein-coupled rec...	Einstel...	Ap...	20...	
Amphioxus (Branchiostoma floridae) has ortholo...	Church...	20...	20...	
Amphipol-assisted in vitro folding of G protein-c...	Dahma...	Jul...	20...	
AN EXTREME CASE OF HETEROISIS IN A CENTRAL...	Dobzh...	M...	19...	
An indel in transmembrane helix 2 helps to trace...	Devillé...	M...	20...	
An olfactory receptor pseudogene whose functio...	Lai et al.	De...	20...	
An overview on GPCRs and drug discovery: struct...	Lundst...	20...	20...	
An updated 18S rRNA phylogeny of tunicates bas...	Tsagko...	20...	20...	
Analysis of sweet receptor gene (Tas1r2) and pr...	Li et al.	20...	20...	
Analysis of C/D box snoRNA genes in vertebrates...	Makaro...	Jul...	20...	
Anatomical profiling of G protein-coupled recept...	Regard...	Oc...	20...	
Ancestral organization of the MHC revealed in th...	Ohta et...	M...	20...	
Are specific nonannular cholesterol binding sites...	Paila et...	Fe...	20...	
Arginine (CGC) codon targeting in the human pro...	Stitha...	Jul...	20...	
Automatic gene collection system for genome-sc...	Ono et...	De...	20...	
Biogenic Trace Amine-Associated Receptors (TAA...	Mueller...	20...	20...	
Bitter and sweet/umami taste receptors with diff...	Shi et al.	Ap...	20...	
Bitter peptides and bitter taste receptors	Maeha...	M...	20...	
Calcitonin receptor-stimulating peptide: Its evolu...	Katafuc...	Se...	20...	
Candidate chemoreceptor subfamilies differential...	Cummi...	20...	20...	

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Set Research Keywords

The image displays a web-based research database interface. On the left, a vertical sidebar contains a list of MeSH keywords, with 'genome-gz sub 1945' selected. The central area features a table of research articles with columns for Title, Creator, Date, and Year. The right-hand side includes a 'Tags' section with a list of 12 tags such as 'Biotinylation' and 'Endopeptidases', and a 'Filters' section with 11 tags like 'Animals' and 'Gene Dosage'. The interface is designed for navigating and filtering a large collection of scientific research papers.

Select 1
MeSH Keyword (338)

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View
Set Research Keywords

- m sub 1945
 - macaca
 - macaca mulatta
 - major histocompatibility complex
 - male
 - maze learning
 - mecamylamine
 - mechanoreceptors
 - mechanotransduction, cellular
 - medulla oblongata
 - membrane glycoproteins
 - membrane potentials
 - membrane proteins
 - membrane transport proteins
 - memory
 - mesocricetus
 - metamorphosis biological
 - microscopy immunoelectron
 - microscopy, confocal
 - microscopy, electron
 - microscopy, electron, scanning
 - microscopy, fluorescence
 - microtubules
 - microvilli
 - mitochondria
 - models biological
 - models molecular
 - models, genetic
 - models, neurological
 - molecular seq data
 - molecular structure
 - molecular weight
 - molusca
 - morphogenesis
 - moth
 - mouse, arctic
 - multigene family
 - mutagenesis
 - mutagenesis, insertion
 - mutagenesis, site-directed
 - mutation
 - n sub 1945
 - NADPH DEHYDROGENASE
 - NASAL CAVITY
 - NASAL MUCOSA
 - NASAL SEPTUM
 - NEUROPODIAE
 - NERVE ENDINGS
 - NERVE FIBERS
 - NERVE NET
 - NERVE REGENERATION
 - NERVE TISSUE PROTEINS
 - NERVOUS SYS
 - NERVOUS SYSTEM PHYSIOLOGICAL PHENOMENA
 - NESTING BEHAVIOR
 - NEURAL CONDUCTION
 - NEURAL INHIBITION
 - NEURAL PATHWAYS
 - NEUROGLIA
 - NEURONAL PLASTICITY
 - NEURONS
 - NEURONS AFFERENT
 - NEUROPEPTIDES
 - NEUROSECRETORY SYS
 - NEUROTRANSMITTER AGENTS
 - NG-NITROARGININE METHYL ESTER
 - NICOTINIC AGONISTS
 - NICOTINIC ANTAGONISTS
 - NITRIC OXIDE
 - NITRIC OXIDE SYNTHASE
 - NOCEPTORS
 - NOSE
 - PAIRED BOX TRANSCRIPTION FACTORS
 - PALATE
 - PEPTIDE FRAG
 - PERCEPTION
 - PERFUSION
 - PERIPHERAL NERV SYS
 - PERIPHERAL NERVES
 - PHENOTYPES
 - PHEROMONES
 - PHRENIC NERVE
 - PHYLOGENY
 - PHYSICAL STIMULATION
 - POLYMORPHISM SINGLE NUCLEOTIDE
 - POLYMORPHISMS GENETIC
 - PYTAKEIMI CHANNI BI CHVFE
 - PREFOPTIC AREA
 - PRESSORECEPTORS
 - PRIMATES
 - PROMOTER REGIONS GENETIC
 - PROTEIN BINDING
 - PROTEIN CONFORMATION
 - PROTEIN TRANSPORT
 - PSYDOGENES
- r sub 1945
 - radioimmunoassay
 - radioligand assay
 - rana varius
 - random allocation
 - rats
 - reaction time
 - receptor cell surface
 - receptor cytoplasmic and nuclear
 - receptor dopamine
 - receptor glutamate
 - receptors g protein coupled
 - receptors nicotinic
 - receptors odorant
 - receptors pheromone
 - reception
 - recombinant fusion proteins
 - recombinant proteins
 - reference values
 - reflex
 - reproduction
 - respiration
 - reverse transcript polymerase chain
 - rhodopsin
 - RNA MESSENGER
 - RNA VARIOUS
- S SUB 1945
- T sub 1945

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A novel tachykinin-related peptide receptor of O...	Kanda e.	Ma. 2007	2007
A novel, generic and effective method for the rap...	Magnin	Ma. 2009	2009
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Accessory proteins are vital for the functional exp...	Cooray	Ma. 2009	2009
Albumin phylogeny for clawed frogs (Xenopus)	Yona e.	Oc. 2008	2008
Allosteric modulators of g protein-coupled recepto...	Bisbee	Fe. 1927	1927
Alternative splicing of G protein-coupled recepto...	Wang et.	No. 2009	2009
Alternative splicing of G protein-coupled recepto...	Markovi.	Oc. 2009	2009
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Amphipol-assisted in vitro folding of G protein-cou...	Dahma.	Jul. 2009	2009
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Bitter peptides and bitter taste receptors	Maeha.	Ma. 2009	2009
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Info Notes Tags Related

11 tags: Add

- Amino Acid Motifs
- Animals
- Chordata, Nonvertebrate
- Evolution, Molecular
- Evolution, Molecular
- Fishes
- Markov Chains
- Phylogeny
- Receptors, Odorant
- Sequence Alignment
- Sequence Analysis, Protein
- Sequence Homology, Amino Acid

Info Notes Tags Related

9 tags: Add

- Animals
- Chromatography, Gel
- Humans
- Mice
- Polymers
- Propylamines
- Protein Folding
- Receptors, G-Protein-Coupled
- Spectrophotometry, Ultraviolet

Info Notes Tags Related

14 tags: Add

- Alluridae
- Amino Acid Sequence
- Animals
- Behavior, Animal
- Carnivora
- Female
- Ferrets
- Herpestidae
- Lions
- Male
- Receptors, G-Protein-Coupled
- Sequence Alignment
- Taste
- Viverridae

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- 5 SUB 1945
 - SEASONS
 - SECOND MESSENGER SEASON
 - SELECTION GENETIC
 - SENSATION
 - SENSORY RECEPTOR CELLS
 - SENSORY THRESHOLDS
 - SEQ ALIGNMENT
 - SEQ ANALYSIS DNA
 - SEQ HOMOMOLOGY, VARIOUS
 - SEROTONIN
 - SIGNAL TRANSDUCTION
 - SKIN
 - SMELL
 - SOCIAL BEHAVIOR
 - social env
 - SODIUM CHANNEL
 - SOLUBILITY
 - SPECIES SPECIFICITY
 - SPECTROMETRY, FLUORES
 - SPINAL CHORD
 - STAINING LABELING
 - STEM CELLS
 - STIMULATION CHEMICAL
 - STRESS PHYSIOLOGICA
 - STRUCTURAL ACTIVITY RELATIONSHIP
 - SUBSTANCE P
 - SUBSTRATE SPECIFICITY
 - SUCROSE
 - SUPPRESSION GENETICS
 - SURAMIN
 - SWIMMING
 - SYMPATHECTOMY
 - SYMPATHETIC NERVOUS SYSTEM
 - SYNAPTIC TRANSMISSION
- T SUB 1945
 - TAURINE
 - TEMPERATURE
 - TEPHRITIDAE
 - TESTOSTERONE
 - TETRAHYMENA
 - TETRAHYMENA THERMOPHILA
 - TIME FACTORS
 - TISSUE DISTRIBUTION
 - TRANS-ACTIVATORS
 - TRANSCRIPTION FACTORS
 - TRANSCRIPTION GENETIC
 - TRANSUDIN
 - TRANSFECTION
 - TRANSFORMING GROWTH FACTOR BETA
 - TRANSGENES
 - TRANSIENT RECEPTOR POTENTIAL CHANNELS
 - TRIGEMINAL GANGLION
 - TUBULIN
 - TYPE C PHOSPHOLIPASES
- U-Z SUB 1945
 - ULTRASONICS
 - UNCOUPLING AGENTS
 - UP REGULATION
 - URINE
 - URODELA (SALAMANDERS)
 - VAGINA
 - VAGOTOMY
 - VAGUS NERVE
 - VERTEBRATE
 - VIISCERAL AFFERENTS
 - VISION, OCULAR
 - VISUAL PATHWAYS
 - VISUAL PERCEPTION
 - VOCALIZATION ANIMAL
 - VPI ATH IZATIN
- URODELA (SALAMANDERS)
- VAGINA
- VAGOTOMY
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- VISION, OCULAR
- VISUAL PATHWAYS
- VISUAL PERCEPTION
- VOCALIZATION ANIMAL
- VOLATILIZATION
- VOMERONASAL
- WAKEFULNESS
- WASP
- WATER
- WATER MOVEMENTS
- X & Y CHROMOSOME
- XENOPUS
- XENOPUS LAEVIS
- ZEBRAFISH
- ZINC FINGERS

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Info Notes Tags Related

7 tags:

- Animals
- Binding Sites
- Cholesterol
- Humans
- Protein Binding
- Receptors, G-Protein-Coupled
- Substrate Specificity

Info Notes Tags Related

7 tags:

- Animals
- Gene Expression
- Genome
- Lipolysis
- Mice
- Receptors, G-Protein-Coupled
- Succinic Acid

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- Animals
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