**NEUROSCIENCE (Neurobiologic; Neurobiological; Neurobiologists; Neurobiology; Neuroscientific; Neuroscientists)**

**TOPICS:**

1. Behavioral neuroscience (Behavioral neurobiologists; Behavioral neurobiology; Behavioral neuroscientists; Biological psychologists; Biological psychology; Biopsychological; Biopsychologists; Biopsychology; Psychobiological; Psychobiologists; Psychobiology)

* Neuroethology
* Psychology (Affective neuroscience; Affective neuroscientists; Neuropsychological; Neuropsychologists)
  + Physiological psychology (Biological psychology; Biopsychology; Psychobiology)
  + Psycholinguistics (Neurolinguistics; Neurolinguistic; Neurolinguists; Psycholinguists; Psychology of language; Language)
  + Psychophysics
  + Psychophysiology (Psychophysiologists)
  + Emotional Psychology (Emotion; emotions)
* Social neuroscience (Social neuroscientists)
* Mental Health
  + Stress
    - Cortisol
  + Suicide
  + Anxiety disorder
    - Panic disorder
    - Obsessive-compulsive disorder
    - Phobia
  + Eating disorder
    - Anorexia
    - Bulimia
    - Obesity
  + Personality disorder
  + Depression
  + Bipolar disorder
  + Post-traumatic stress disorder (PTSD)
  + Psychotic disorder
    - Schizophrenia
  + Addiction
    - Substance use disorder
      * Alcohol
      * Cannabis
      * Cocaine
      * Tobacco

2. Cellular neuroscience (Brain cells; Cellular neurobiologists; Cellular neurobiology; Cellular neuroscientists)

* Glia (Glial cells; Neuroglia)
  + Astrocytes (Astroglia; Astroglial cells)
  + Microglia (Microglial cells)
  + Oligodendrocytes (Oligodendroglia)
  + Radial glial cells (Radial glia)
  + Schwann cells (Neurilemma; Neurolemmocytes)
* Neurons (Nerve cells; Neuronal cells)
  + Cortical neurons
  + Dopaminergic neurons
  + [GABAergic neurons](https://submission.eurekalert.org/PressRelease/Submission/b6bec6ab-1295-4539-8480-b17650279844)
  + Glutamatergic neurons
  + Granule cells (Granule neurons)
  + Hippocampal neurons
  + Interneurons
  + Mirror neurons
  + Motor neurons (Motor nerves)
  + Neuronal synapses
  + Purkinje cells
  + Pyramidal neurons (Pyramidal cells)
  + Sensory neurons
  + Serotonergic neurons

3. Clinical neuroscience (Clinical neuroscientists)

* Neurology (Neurologic; Neurological; Neurological science; Neurological scientists; Neurologists; Neurology scientists)
  + Brain stimulation
  + Neural prosthetics (Neuroprosthetics)
  + Neurological disorders (Brain diseases; Brain disorders; Cerebellar diseases; Cerebellar disorders; Diseases of the brain; Diseases of the nervous system; Disorders of the brain; Disorders of the nervous system; Nervous system diseases; Nervous system disorders; Neurologic diseases; Neurologic disorders; Neurological diseases; Neuropathology; Neuropathologist; Pathologies; Disorders; Diseases)
    - Rare disease
    - Amnesia
    - Amyotrophic lateral sclerosis (Lateral sclerosis; Lou Gehrig disease; Lou Gehrig's disease; Motor neuron disease)
    - Aneurysms
    - Basal ganglia disease (Basal ganglion disease; Diseases of the basal ganglia)
    - Brain ischemia (Cerebral ischemia)
    - Cerebral palsy
    - Coma
    - Demyelinating diseases (Demyelinating; Demyelination)
    - Dopamine deficiency
    - Epilepsy (Seizure disorder)
    - Hydrocephalus (Hydrocephalic)
    - Neurodegenerative diseases (Neurodegeneration; Neurodegenerative disorders)
      * Dementia
      * Alzheimer disease (Alzheimer's disease; Alzheimers disease)
        + Amyloid
        + Tau
      * Ataxia
      * Huntingtons disease (Huntington's chorea; Huntington's disease; Huntingtons chorea)
      * Leukodystrophy
        + Adrenoleukodystrophy (Adrenoleukodystrophic)
        + Metachromatic leukodystrophy
      * Parkinsons disease (Parkinson's disease)
      * Transmissible spongiform encephalopathy (BSE; Bovine spongiform encephalopathy; Chronic wasting disease; Kuru; Mad cow disease; Prion diseases; Scrapie)
        + Creutzfeldt Jakob disease (Creutzfeldt-Jakob disease)
    - Neuromuscular diseases (Neuromuscular disorders)
      * Multiple sclerosis
      * Muscular dystrophy
      * Paralysis
    - Polio (Infantile paralysis; Poliomyelitis)
    - Rett syndrome (Cerebroatrophic hyperammonaemia; Cerebroatrophic hyperammonemia)
    - Tics
    - Tourette syndrome (Tourette's syndrome)
    - Vegetative states
    - Wallerian degeneration (Anterograde degeneration; Orthograde degeneration)

4. Cognitive neuroscience (Cognitive architecture; Cognitive neurobiologists; Cognitive neurobiology; Cognitive neuroscientists)

* Cognition
* Consciousness
* Neuroeconomics (Neuroeconomists; Neuromarketing)
* Reaction time
* Memory

5. Developmental neuroscience (Developmental neurobiology; Developmental neuroscientists; Neural development; Neurodevelopment)

* Axon growth (Axon extension; Axon outgrowth)
* Brain development (Neural development)
* Cognitive development
  + Autism (Autism spectrum disorder)
  + Intellectual disability (Mental retardation)
    - Down syndrome
    - Fetal alcohol syndrome
    - Fragile X syndrome
  + Learning
  + Learning disabilities
    - Attention deficit disorder
    - Attention deficit hyperactivity disorder (ADHD)
    - Dyscalculia
    - Dyslexia
* Motor development (Hand-eye coordination; Motor skill development)
* Stem cells
* Neurogenesis

6. Molecular neuroscience (Molecular neurobiologists; Molecular neurobiology; Molecular neuroscientists)

* Metabolism
  + Mitochondrion (Mitochondrial)
* Proteins (Protein)
  + Receptor
  + Enzyme
  + Antibody
  + Antigen
* Genetics (Gene)
  + DNA
  + RNA (Transciptome)
  + Epigenetics
* Autophagy
* Apoptosis

9. Neurophysiology (Neurophysiological; Neurophysiologists)

* Brain
  + Cortex
  + Hippocampus
  + Hypothalamus
  + Accumbens
  + Amygdala
  + Striatum
  + Basal Ganglia
  + Connectivity
* Cerebellum
* Spinal chord
* Peripheral nervous system
  + Nerve
* Injury
  + Traumatic brain injury
  + Lesion
* Motor control
* Myelination (Myelinating; Remyelinating; Remyelination)
* Neural mechanisms
* Neural pathways
* Neuromuscular junctions (Neuromuscular synapses)
* Neuroplasticity (Brain plasticity; Neuronal plasticity)
* Hormone (Hormones)
  + Estradiol
  + Testosterone
* Neurotransmission
  + Innervation
  + Nerve impulses
  + Neural inhibition
    - GABAergic inhibition (GABA reuptake inhibitors)
    - Tonic inhibition
  + Neuromodulation (Neural modulation)
  + Neuroreceptors (Neurotransmitter receptors)
  + Neurotransmitters
    - Amines (N-terminal; N-terminus)
    - Dopamine
    - GABA (gamma Aminobutyric acid; gamma-Aminobutyric acid)
    - Glutamates
    - Orexin (Hypocretin)
    - Serotonin
* Sensory systems (Sensory circuits)
  + Pain
  + Sensory receptors (Sensory cells)
* Sleep (Sleeping; Slumber)

10.Neuroimmunity

* Autoimmunity (Autoimmune)
* Inflammation
  + Encephalitis
  + Encephalomyelitis
* Neuroinflammation

11. Nervous System Tumour (Tumor; cancer)

* + Glioblastoma
  + Glioma
  + Neuroblastoma
  + Ependimoma
  + Adenoma
  + Prolactinoma
  + Chemotherapy
  + Radiotherapy

12.Treatment (Therapy)

* Stem cells
* Rehabilitation
* Anaesthesia
* Pharmacology (Drug; Medication)
* Transplantation
* Neurosurgery (Brain surgeons; Brain surgery; Neurosurgeons)

13. Other words: diet; sport; video-game; video game; air pollution; environment; school; artificial intelligence; music; education; phone; violence; microbiota;

**SUBJECTS:**

* Male
* Female
* Embryo
  + Pregnancy
  + Prenatal
* Baby
  + Premature
* Child (Children; kid; childhood)
* Adolescent
* Young-adult
* Adult
* Elder (Eldery; Geriatry; Geriatric)
  + Aging
  + Longevity
  + Nursery home

**MODELS:**

* In silico (Computational model; Computational neuroscience; Computational neuroscientists; Neuroinformatics; Neuroinformaticians)
* In vitro (Culture)
* In vivo (Animal model; Transgenic)
* C. elegans (c elegans; c.elegans)
* Drosophila
* Mouse (Mice)
* Rat
* Sheep
* Dog
* Monkey
* Apes
* Non-human primates
* In humans

**METHODS:**

* 1. Histology
  2. Cell culture
  3. Stereotactics (Stereotactic)
  4. Optogenetics (Optogenetic)
  5. Molecular biology
     + Western Blott
     + PCR
  6. Bioinformatics (Bioinformatic)
  7. Imaging (Neuroimaging; Brain mapping; Brain maps; Brain scans; Neuroradiologists; Neuroradiology)
     + Microscopy
       - Electron microscopy
       - Confocal
       - Two-photon microscopy
     + Magnetic resonance imaging (MRI)
     + X-Ray
     + Positron Emission (PET)
     + Single Photon Emission Tomographic Bioimaging
     + Magnetoencephalography
     + Multiphoton Brain Imaging
     + 3D visualization
     + Brain activity maps (Human brain mapping; Mapping brain activity)
     + Calcium imaging
     + Connectomics (Connectomes)
  8. Immunohistochemistry
  9. Immunofluorescence
  10. In situ hybridization
  11. Electroencephalography (EEG; Electroencephalogram; Electroencephalographic; Electroencephalographs)
  12. Gene expression
      + Proteomics
      + Transcriptomics
      + Metabolomics
      + Microarrays