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Dayalan Sampath

Basic Life Research Scientist, Neurosurgery

Curriculum Vitae available Online

CONTACT INFORMATION

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Bio

ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Neurosurgery

PROFESSIONAL EDUCATION

- Bachelor of Physical Therapy, Tamil Nadu Dr MGR Medical University, Chennai, India , Physical Therapy (2000)
- M.S-Neuroscience, Madras University (Post Graduate Institute of Medical Sciences), Chennai, India , Neuroscience (2005)
- PhD Neurophysiology, National Institute of Mental Health and Neurosciences (NIMHANS)-Bangalore , Neurophysiology (2011)

Publications

PUBLICATIONS

- **White matter injury after brain ischemia** *EXPERIMENTAL NEUROLOGY*
  Park, Y., Hu, K., Liu, C., Sampath, D., Hu, B.
  2026; 396: 115508
- **Basic Science and Pathogenesis.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
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- **Sex differences in cognitive impairment after focal ischemia in middle-aged rats and the effect of iv miR-20a-3p treatment** *NEUROBIOLOGY OF AGING*
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- **Differential effects of the novel neurosteroid hypnotic (3β,5β,17β)-3-hydroxyandrostane-17-carbonitrile on electroencephalogram activity in male and female rats** *BRITISH JOURNAL OF ANAESTHESIA*
  Joksimovic, S. M., Sampath, D., Krishnan, K., Covey, D. F., Jevtovic-Todorovic, V., Raol, Y. H., Todorovic, S. M.
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- **The role of KCC2 in hyperexcitability of the neonatal brain** *NEUROSCIENCE LETTERS*
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- **Mir363-3p Treatment Attenuates Long-Term Cognitive Deficits Precipitated by an Ischemic Stroke in Middle-Aged Female Rats** *FRONTIERS IN AGING NEUROSCIENCE*
  Panta, A., Montgomery, K., Nicolas, M., Mani, K. K., Sampath, D., Sohrabji, F.
  2020; 12

- **Neonatal Ketamine Alters High-Frequency Oscillations and Synaptic Plasticity in the Subiculum But Does not Affect Sleep Macrostructure in Adolescent Rats** *FRONTIERS IN SYSTEMS NEUROSCIENCE*
  Manzella, F. M., Joksimovic, S. M., Orfila, J. E., Fine, B. R., Dietz, R. M., Sampath, D., Fiedler, H. K., Tesic, V., Atluri, N., Raol, Y. H., Jevtovic-Todorovic, V., Herson, P. S., Todorovic, et al
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- **Cognitive dysfunction in major depression and Alzheimer's disease is associated with hippocampal-prefrontal cortex dysconnectivity** *NEUROPSYCHIATRIC DISEASE AND TREATMENT*
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- **Flupirtine effectively prevents development of acute neonatal seizures in an animal model of global hypoxia** *NEUROSCIENCE LETTERS*
  Sampath, D., Shmueli, D., White, A. M., Raol, Y. H.
  2015; 607: 46-51
- **A study on fear memory retrieval and REM sleep in maternal separation and isolation stressed rats** *BEHAVIOURAL BRAIN RESEARCH*
  Sampath, D., Sabitha, K. R., Hegde, P., Jayakrishnan, H. R., Kutty, B. M., Chattarji, S., Rangarajan, G., Laxmi, T. R.
  2014; 273: 144-154
- **Characterization of neonatal seizures in an animal model of hypoxic-ischemic encephalopathy** *EPILEPSIA*
  Sampath, D., White, A. M., Raol, Y. H.
  2014; 55 (7): 985-993
- **Long-term effects of early maternal separation and isolation stress on adulthood behaviour of female rats** *CURRENT SCIENCE*
  Sampath, D., Vaishnavi, S., Durgalakshmi, R., Kutty, B. M., Laxmi, T.
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