

List of Publications

Publications:

- 1) **Jaldeep Langhnoja**, Lipi Buch, Prakash Pillai. 2018. “17 β -estradiol modulates NGF and BDNF expression through ER β mediated ERK signaling in cortical astrocytes”. *Biologia*. Publisher: Springer International Publishing.
- 2) Lipi B, **Jaldeep L**, Prakash P. 2018. “Role of astrocytic MeCP2 in regulation of CNS myelination by affecting oligodendrocyte and neuronal physiology and axo-glial interactions”. *Experimental Brain Research*. Publisher: Springer Berlin Heidelberg.
- 3) **J Langhnoja**, L Buch, P Pillai. 2015. “Modulatory effects of tumor necrosis factor α on neurotrophins in myelinating spinal cord and dorsal root ganglion cultures”. *Journal of Neurochemistry*. Publisher: Wiley Blackwell.
- 4) L Buch, **J Langhnoja**, P Pillai. 2015. “Role of astroglial methyl-CpG-binding protein 2 in central nervous system myelination”. *Journal of Neurochemistry*. Publisher: Wiley Blackwell.
- 5) **J Langhnoja**, L Buch, P Pillai. 2018. “Role of Brain derived neurotrophins factor, Nerve growth factor and their receptors in the regulation of Neural Stem Cell differentiation into Oligodendrocytes”. (Under Submission)
- 6) L Buch, **J Langhnoja**, P Pillai. 2018. “Neurotrophomodulatory effect of TNF- α in rat cortical astrocytes through NF- κ B pathway”. (Under Review)

Publications from collaborative work:

- 1) Jit Chatterjee, Rajesha K. Nairy, **Jaldeep Langhnoja**, Ashutosh Tripathi, Rajashekhar K. Patil, Prakash P. Pillai, Mohammed S. Mustak. 2018. “**ER stress and genomic instability induced by gamma radiation in mice primary cultured glial cells**”. *Metabolic Brain Disease*. Publisher: Springer.

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- 2) J Chatterjee, **J Langhnoja**, PP Pillai, MS Mustak. 2018. **“Neuroprotective effect of quercetin against radiation - induced endoplasmic reticulum stress in neurons”** - Journal of biochemical and molecular toxicology. Publisher: Wiley.
- 3) Mohammed Mustak, Jit Chatterjee, **Jaldeep Langhnoja**, Prakash Pillai. 2018. **“Gamma radiation induced endoplasmic reticulum stress downregulates WFS1, Nectin 3 and Sostdc1 gene expression in mice hippocampus”**. Basic and Clinical Neuroscience. Publisher: Basic and Clinical Neuroscience.

Conference Proceedings (International & National):

- 1) Poster presented entitled “Estradiol involved in growth and proliferation of cortical Rat astrocytes - Cellular and molecular mechanisms” presented in competitive poster session at the National conference on Endocrinology and Reproduction: Innovative in Reproductive Biotechnology (SRBCE), Karnatak University, February 9th-11th, 2013. **(First author, Presenter)**
- 2) Poster presentation entitled “Molecular mechanisms underlying modulatory effects of Quercetin in LPS activated rat cortical astrocytes” presented at FENS featured regional meeting held in Prague, Czech Republic, September 11th-14th, 2013 **(Co-author)**
- 3) Poster presented entitled “17 β - Estradiol modulates neurotrophins expression through its classical receptors in rat cortical Astrocytes” presented in poster session at the International conference on Endocrinology and Reproduction: Innovative in Reproductive Biotechnology (SRBCE), Trichy, T.N, January 7th-9th, 2014. **(First author, Presenter)**

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- 4) Poster presentation entitled “Effect of TNF- α on Neurotrophins during Myelination in Myelinating Spinal cord culture” presented at Society for Neurochemistry, India (SNCI) held at Sri Ramchandra University, Chennai, September 10th - 12th, 2014 (**First author, Presenter**)
- 5) Poster presentation entitled “Cellular mechanism underlying modulatory effects of 17 β - estradiol in neurotrophins expression in rat cortical astrocytes” presented at the 33rd Annual Meeting of the Society for Reproductive Biology and Comparative Endocrinology (SRBCE): International Conference on Bioactive Chemicals for Reproduction and Human Health, Davangere University, Karnataka, February 26th-28th, 2015. (**First author, Presenter**)
- 6) Poster presentation entitled “Modulatory Effects of Tumor Necrosis Factor α on neurotrophins in Myelinating Spinal Cord and Dorsal Root Ganglion cultures” presented at the 25th Biennial meeting of the International Society of Neurochemistry (ISN) and Asian Pacific Society of Neurochemistry (APSN), Cairns, Australia, August 23rd-27th, 2015 (**First author, Presenter**)
- 7) Poster presentation entitled “Role of Astroglial Methyl-CpG-Binding Protein 2 in Central Nervous System Myelination” presented at the 25th Biennial meeting of the International Society of Neurochemistry (ISN) and Asian Pacific Society of Neurochemistry (APSN), Cairns, Australia, August 23rd-27th 2015 (**Co-Author**)
- 8) Poster presentation entitled “Cross-talk between Insulin Receptor and Neurotrophins in neural stem cells differentiation” presented at the 34th Annual Meeting of Indian Academy of Neurosciences (IAN), National Brain Research Centre, Manesar, INDIA, October 19th – 21st 2016 (**First Author, Presenter**)
- 9) Poster presentation entitled “Role of Nerve growth factor and Brain derived neurotrophic factor in regulation of central nervous system myelination”

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presented at the SfN's 47th annual meeting, Washington, D.C., USA, November 11th – 15th 2017 (**First Author, Presenter**)

Awards:

- 1) Bagged **Prof. P. Chinoy award (first prize)** for best poster presentation in the 33rd Annual Meeting of the Society for Reproductive Biology and Comparative Endocrinology (SRBCE), February 2015.
- 2) **DBT-CTEP Travel Grant award** to attend the 25th Biennial meeting of the International Society of Neurochemistry (ISN) and Asian Pacific Society of Neurochemistry (APSN), Cairns, Australia, August 2015.
- 3) **Best Poster award** in 34th Annual Meeting of Indian Academy of Neurosciences (IAN), National Brain Research Centre, Manesar, INDIA, October 2016.
- 4) **DST-SERB Travel Grant award** to attend the 47th meeting of Society for Neuroscience (Sfn), Washington DC, USA, November 2017.