

PUBLICATION FROM THESIS WORK:

1. **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*, 1-13.

PUBLICATIONS:

1. Langhnoja, J. M., **Buch, L. K.**, & Pillai, P. P. (2018). 17 β -estradiol modulates NGF and BDNF expression through ER β mediated ERK signaling in cortical astrocytes. *Biologia*, 73(9), 907-915.
2. Pillai, V., Kadu, R., **Buch, L.**, & Singh, V. K. (2017). Derivatives of Dapsone (dap): Synthesis and Study on In Vitro Anticancer Activity and DNA Laddering Against Hep G2 and C6 Human Cancer Cell Lines. *ChemistrySelect*, 2(16), 4382-4391.

PRESENTATIONS AT CONFERENCES/WORKSHOPS:

- Attended a 10 day National Workshop on “Techniques in Molecular and Cellular Endocrinology”, March 6 -15, 2013 at Taramani Campus, University of Madras, Chennai.
Hands-on training: Cell culture techniques, Transfection, Immunocytochemistry, Western Blot, ELISA, RIA, Isolation of nucleic acids, Basic Biostatistics.
- Abstract entitled “17 β - estradiol modulates neurotrophins expression through its classical receptors in rat cortical Astrocytes” presented at the 32nd International conference on Recent trends in Biomedical Sciences & Annual meeting of SRBCE at Holy Cross College, 7th-9th January, 2013, Trichy, T.N. (**Co-author**)
- Abstract entitled “Role of MeCP2 in astrocyte-axon cross-talk” accepted for poster presentation at International Astrocyte School 2014 in April 2014, Bertinoro, Italy. (**First author**)

- Poster presentation entitled “Role of Methyl-CpG-Binding-Protein 2 (MeCP2) in impaired mitochondrial functions in glial cells” presented at the 28th Annual Meeting of Society For Neurochemistry, India (SNCI), 3rd-12th September 2014, Chennai, T.N (**Co-author, Presenting Author**)
- Poster presentation entitled “Effect of TNF- α on neurotrophins during myelination in myelinating spinal cord culture” presented at the 28th Annual Meeting of Society For Neurochemistry, India (SNCI) 3rd-12th September 2014, Chennai, T.N (**Co-author**)
- 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), Davangere University, Karnataka, February 26th-28th, 2015. (**Co-author**)
- 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 (**First Author**)
- 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 (**Co-author**)
- Oral presentation entitled ‘Role of MeCP2 in mitochondrial impairments and myelin defects’ presented at the 45th Annual Meeting of Society for Neuroscience (SfN)-Neuroscience 2015, Chicago, USA, October 17th-21st 2015 (**Co-author**)