

PUBLICATIONS

1. **Sharma, K.,** Singh, J., Pillai, P. P., & Frost, E. E. (2015). Involvement of MeCP2 in Regulation of Myelin-Related Gene Expression in Cultured Rat Oligodendrocytes. *Journal of Molecular Neuroscience*, 57(2), 176-184.
2. **Sharma, K.,** Singh, J., Pillai, P. P., & Frost, E. E. (2017). MeCP2 in central nervous system glial cells: Current updates. *Neuroscience Bulletin*.(Under review).
3. **Sharma, K.,**Singh, J., Pillai, P. P., & Frost, E. E. (2017). MeCP2 over expression inhibit C6 glioma growth and migration by modulating ERK signaling and gene expression. (Under review)
4. Singh, J.,**Sharma, K.,** Pillai, P. P.(2017) PDGFR inhibition mediated intracellular signalling in C6 glioma growth and migration: Role of ERK and ROCK pathway. (Under review).

Conferences

- Abstract entitled “**Role of PDGF-A induced ERK-Paxillin complex in OPC migration**” submitted to the International conference on Recent trends in Biomedical Sciences & Annual meeting of SRBCE at Holy Cross College, Trichy, T.N. (**Co-author**).
- Abstract entitled “**Role of ERK and Rho associated protein kinases (ROCK) signaling in PDGF-A induced oligodendrocytes Progenitor cells migration and cytoskeleton reorganization**” at XII European Meeting on Glial Cells in Health and Disease. GLIA 2015 July 15 - 18, Bilbao, Spain (**Co-author**).
- Abstract entitled “**Role of MeCP2 in transcriptional regulation of central nervous system myelination**” at Kolkata Neuroscience Conference-2014, International conference on ‘**Neurochemistry of the Ageing Brain**’ from January

31st –Feb 1st, 2014 at CSIR-Indian Institute of Chemical Biology, Jadavpur, Kolkata, West Bengal, India.

- Pillai, P. P., Tripathi, A., Singh, J., Parikh, Z., & **Sharma, K.** (2014, August). **Role of PDGFR α -integrin crosstalk in OPC migration.** In Journal of Neurochemistry (Vol. 130, Pp. 27-27). 111 River ST, Hoboken 07030-5774, NJ USA: Wiley-Blackwell. (Co-Author).

Workshops

- Abstract entitled “**A novel epigenetic regulator of cortical oligodendrocytes differentiation: Possible Implication for Neurodevelopmental disorders**” at **EMBO Workshop** Cortical Development in health and disease, 26 -29th April 2015 at Weizmann Institute of Science, Rehovot, Israel. (Co-author)

Schools

- Attended the **IBRO-APRC School of Neuroscience “Molecular Advancement in Neurobiology”** September 5-20 2015 at DBT-BHU Interdisciplinary School of Life Science Banaras Hindu University, Varanasi (India).
- Attended the **APSN-ISN Neuroscience School** 2014 Kolkata, India from 27-31st January 2014 at CSIR-Indian Institute of Chemical Biology, Jadavpur, Kolkata, India.
- Poster and Oral presentation entitled “**MeCP2: A transcriptional regulator of oligodendrocytes differentiation**” at **IBRO-APRC School of Neuroscience “Molecular Advancement in Neurobiology”** September 5-20 2015 at DBT-BHU Interdisciplinary School of Life Science Banaras Hindu University, Varanasi (India).

Travel Award

- DST-SERB New Delhi, International Travel Award to attend “**14th Meeting of the Asian-Pacific Society for Neurochemistry (APSN 2016)**” held from 27th – 30th August 2016 at the Hotel Istana Kuala Lumpur, Malaysia. (**Travel Award**)