
List of publications

Publications (From Thesis)

- 1- **Tripathi A.**, Parikh Z. S., Vora P., Frost E. E., Pillai P. P. *pERK1/2 peripheral recruitment and filopodia protrusion augment oligodendrocyte progenitor cell migration: Combined effects of PDGF-A and fibronectin.* (2016), **Cellular and Molecular Neurobiology**, DOI 10.1007/s10571-016-0359-y
- 2- **Tripathi A.**, Parikh Z. S., Pillai P. P. *PDGF-A dependent actin and lipid raft interaction in oligodendrocyte progenitor cells.* (**manuscript under submission**).
- 3- **Tripathi A.**, Parikh Z. S., Pillai P. P. *PDGFR α and $\alpha V\beta 3$ Integrin uncoupling during anoikis resistance in C6 glioma cells.* (**manuscript under preparation**).

Publications (From Collaborative Work)

- 1- Machhi J., Prajapati N., **Tripathi A.**, Parikh Z. S., Kanhed A. M., Patel K., Pillai P. P., Giridhar R., Yadav M.R. *Synthesis and Biological Evaluation of Novel Multi-Target-Directed Benzazepines against Excitotoxicity.* (2016), **Molecular Neurobiology**, DOI 10.1007/s12035-016-0184-9.
- 2- Machhi J., Sinha A., Patel P., Kanhed A. M., Upadhyay P., **Tripathi A.**, Parikh Z. S., Chruvattil R., Pillai P. P., Gupta S., Patel K., Giridhar R., Yadav M. R. *Neuroprotective Potential of Novel Multi-Targeted Isoalloxazine Derivatives in Rodent Models of Alzheimer's Disease Through Activation of Canonical Wnt/ β -Catenin Signalling Pathway.* (2016), **Neurotoxicity Research**, DOI 10.1007/s12640-016-9598-4
- 3- Shidore M., Machhi J., Shingala K., Murumkar P., Sharma M. K., Agrawal N., **Tripathi A.**, Parikh Z., Pillai P., Yadav M. R. *Benzylpiperidine-linked diarylthiazoles as potential anti-Alzheimer's agents: Synthesis and biological evaluation.* (2016), **Journal of Medicinal Chemistry**, DOI: 10.1021/acs.jmedchem.6b00426
- 4- Kanhed A. M., Sinha A., Machhi J., **Tripathi A.**, Parikh Z. S., Pillai P. P., Giridhar R., Yadav M. R. *Discovery of isoalloxazine derivatives as a new class of potential anti-Alzheimer agents and their synthesis.* (2015), **Bioorganic Chemistry**, DOI: 10.1016/j.bioorg.2015.05.005

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Conference Proceedings

(Abstracts published in meetings/conferences)

International

- 1- **Ashutosh Tripathi**, Zalak S. Parikh and Prakash P. Pillai. Role of extracellular matrix and growth factors in oligodendrocyte cytoskeletal reorganization at XI European Meeting on Glial Cells in Health and Disease Berlin July 3 - 6, 2013. **(Role :First author)** ICMR International Travel Award, ICMR Ref No.- 3/2/TG-40/HRD-2012, dtd-24.05.2013
- 2- Prakash P. Pillai, **Ashutosh Tripathi**, Juhi Singh, Zalak Parikh and Kedar Sharma. Role of PDGFR α – integrin crosstalk in OPC migration. 12th Meeting of the Asian-Pacific Society for Neurochemistry (APSN), Kaohsiung, Taiwan (August 23rd - 26th, 2014) (Invited Talk to P.P. Pillai) **(Role: co-author)**
- 3- Prakash P. Pillai, **Ashutosh Tripathi** and Zalak Parikh. Role of integrin-growth factors interactions in oligodendrocyte proliferation, survival migration at International Society for Neurochemistry American Society for Neurochemistry 24th Biennial Joint Meeting April 20 – 24, 2013 Cancun, Mexico. **(Role :co-author)**
- 4- Cross-talk between cytokines and neurotrophins in cortical oligodendrocytes, astrocytes and myelinating spinal-cord cultures 11th Biennial meeting of the Asian Pacific Society for Neurochemistry -The 55th Annual meeting of the Japanese Society for neurochemistry (APSN/JSN Sept 30th-Oct 2nd 2012 (Invited Talk to P.P. Pillai) **(Role: co-author)**

National

- 1- **Ashutosh Tripathi**, Zalak S. Parikh and Prakash P. Pillai. pERK1/2 Distribution and Actin Cytoskeletal Reorganization in Oligodendrocyte Progenitor Cells: Role of PDGF-A and Fibronectin on 2nd Foundation Day Celebration Dr. Vikram Sarabhai Science Centre, The MSU Baroda, Vadodara, Gujarat, India (30th September, 2014) (*Best ORAL presentation award*) **(Role:First author)**
- 2- **Ashutosh Tripathi**, Zalak S. Parikh and Prakash P. Pillai. Oligodendrocyte Migration and Cytoskeletal Organization: Role of Fibronectin and PDGF-A. Adult Neurogenesis: From Stem Cells to Therapies (February 6-8 ,2014) at TIFR, Mumbai **(Role :First author)**

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- 3- Prakash P. Pillai, **Ashutosh Tripathi** and Zalak Parikh. Intracellular signalling in migration, proliferation, differentiation of oligodendrocyte progenitors during development of the brain at 30th Annual Conference of Indian Academy of Neuroscience (Amritsar Oct 27th-30th 2012): (Invited Talk to P.P. Pillai) (**Role: co-author**)
- 4- SERB School of Neuroscience, NISER, Bhubaneswar. December 10-22, 2012

Awards & Fellowships

Junior Research Fellowship (JRF)

Department of Biotechnology Interdisciplinary Life Science Programme for Advanced Research and Education (DBT-MSUB-ILSPARE), The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India. (**Jul 2012-Sep 2015**)

International Travel Award

From Indian Council of Medical Research (ICMR), New Delhi, for GLIA meeting, Berlin, Germany [XI European Meeting on Glial Cells in Health and Disease, Berlin, **July 3 – 6, 2013**].

Graduate Aptitude Test in Engineering (GATE) (Microbiology & Biochemistry) (**Feb 2013**)