

PRAKASH BABU PHANITHI

Senior Professor,
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EDUCATION

2007 Post-Doctoral Fellow: Stem cell laboratory, Kings College, University of London, United Kingdom
2000 Post-Doctoral: STA Fellow, Institute for Brain and Blood Vessels, Akita, Japan
1992 Ph.D., Neuroscience, Life Sciences, University of Hyderabad, Hyderabad
1987 M.Sc., Zoology, Andhra University, Visakhapatnam
1984 B.Sc., Zoology (Main), Acharya Nagarjuna University, Guntur

PROFESSIONAL EXPERIENCE

ACADEMIC POSITIONS

2019 – Present Senior Professor, Department of Biotechnology and Bioinformatics, University of Hyderabad (UoH),
2006 – 2019 Professor, Department of Biotechnology & Bioinformatics, UoH Hyderabad
2001 – 2006 Reader, Department of Animal Sciences, University of Hyderabad
1996 – 2000 Lecturer, Department of Animal Sciences, University of Hyderabad
1992 – 1996 Lecturer, Department of Zoology, S.V. University, Tirupati, Andhra Pradesh
1987 – 1992 Research Fellow, School of Life Sciences, University of Hyderabad

ADMINISTRATIVE POSITIONS

2017 – Present Dean, School of Medical Sciences, University of Hyderabad
2017 – 2019 Pro-Vice-Chancellor, University of Hyderabad
2014 – 2017 Dean, Students' Welfare
2013 – 2014 Chief Proctor
2010 – 2013 Head, Dept. of Biotechnology and Bioinformatics, University of Hyderabad
2010 – 2013 Member, Proctorial Board

POSITIONS IN IMPORTANT COMMITTEES

2019 – till today Chairman, NAAC committees
2018 – till today UGC expert member on Advisory Committee, College with Potential for Excellence (CPE),
2017 – 2019 Research Adviser, Narayana Medical College and Hospital, Nellore
2018 – 2020 Chairman, Ethical committee (Research), Asian Institute of Gastroenterology, Hyderabad
2018 - 2020 IBSC member, Dr. Reddys, Biologics, Bachupalli, Hyderabad
2017 – 2019 Member, transplantation committee, Virinchi Hospital, Banjara Hills, Hyderabad

2017 – 2019	Chairman, Recruitment Rules (RRs) Committee, University of Hyderabad
2015 – 2017	Member, Departmental Committee, Department of Biotechnology, NIT, Warangal
2016 – 2018	Member, Ethical committee (Research), Asian Institute of Gastroenterology, Hyderabad
2016 – 2018	Member, Institutional Committee Stem Cell Research & Therapy (IC-SCRT), Nizam Institute of Medical Sciences (NIMS), Punjagutta, Hyderabad
2016 - 2018	Chairman, Advisory Committee, Department of Biotechnology, NIT, Warangal
	Special invitee, DST WOS-A meeting held at NIN, Hyderabad from 18th-20th May 2016
	Chairman, Board of Studies, Department of Biotechnology, Telangana University
2015	Expert committee member to assess progress of Vegrandis Therapeutics Pvt Ltd, under BIRAC, Biotechnology Ignition Grant (BIG)
2014 and 2016	Member Selection Committee for IISER, Kolkata
2009	Member, UGC nominee for the Review Committee, Indian Veterinary Research Institute, Izatnagar, Uttar Pradesh
2004 – 2007	Member, Board of Studies, Department of Marine Sciences, Andhra University, Visakhapatnam

HONOURS AND AWARDS

Present	General Secretary, Society for Neurochemistry, India (SNCI)
2017	Fellow, Association of Biotechnology and Pharmacy
2016 – 2018	Secretary General, Federation of Asian Biotech Association
	Member UGC-SAP advisory committee, Panjab University, Chandigarh
2015 – 2017	Member for Dept. of Biotechnology, New Delhi, BUILDER programme
2012 – 2014	Member, National Bioscience award committee, Department of Biotechnology, New Delhi
2012	Fellow, National Academy of Biological Sciences, Chennai
2010 – 2012	UGC nominee for the Academic council of Cochin University of Science and Tech, Cochin
2010	Fellow, A.P. Akademy of Sciences
2009	B.P.Pande memorial oration award, Indian Society for Parasitology
2008	Fellow Indian Academy of Neurosciences, Lucknow
2007	Biotechnology Overseas fellow: University of London, United Kingdom
2006	Council Member, Asia Pacific Society for Neurochemistry, Singapore
2006 – 2008	DST-DAAD Fellow : University of Heidelberg, Germany
2006 – 2010	Secretary, Asia Pacific Society for Neurochemistry (APSN), Singapore
2002	Tulsabai Somani Educational Trust Award: Indian Academy of Neuroscience
1999 – 2001	STA-Fellow, Japan Science and Technology Corporation
1998	BOYSCAST - Fellow : Department of Science and Technology
1996	Young Scientist Project Awardee : Dept. of Science and Technology
1989 – 1992	Pre-Ph.D. awards: UGC, ICMR, CSIR, Government of India, Fellowships

RESEARCH INTERESTS

Neurodegenerative diseases: Stroke (Cerebral Ischemia), Cerebral malaria, Stem cells and Cancer biology (Glioma, Meningioma)

RESEARCH GUIDANCE FOR Ph.D.

Ph.D awarded: 19, Working: 8,

Post Docs completed: 4, Working: 2

M.Sc and M.Tech dissertations guided: 65

SELECT AND RECENT RESEARCH PUBLICATIONS (TOTAL - 90+)

1. Sireesh Kumar and Prakash Babu (2019) Up-regulation of Sirt1/miR-149-5p signaling may play a role in resveratrol induced protection against ischemia via p53 in rat. *J. of Clinical Neuroscience*, pii: S0967-5868(19)31651-0. doi: 10.1016/j.jocn.2019.11.043.
2. Seshadri, Naimisha Rapaka, Bhumika Prajapati, Dipeeka Mandaliya, Sweta Patel, Christopher Shamir Muggalla, Bandish Kapadia, Phanithi Prakash Babu, Parimal Misra and Uday Saxena (2019). Statins exacerbate insulin resistance and hyperglycemia in a model of pre-diabetes: Implications for human disease. *Scientific Reports*. 9:8825 | <https://doi.org/10.1038/s41598-019-45369-8>
3. Pramod Deshpande, Chandra Sekhar Y.B.V.K, Manas Panigrahi, Phanithi Prakash Babu. (2019). Risk stratification in low grade glioma: a single institutional experience. *Neurology India* (in press).
4. Kiran Kumar C.K, Ravindra Pramod Deshpande, Chandrasekhar Y.B.V.K, Satish Rao.I, Manas Panigrahi, Phanithi Prakash Babu (2019). Clinical management and prognostic outcome of intracranial ventricular tumors: A study of 134 cases, *Cancer Research* (in press)
5. Parimala Narne, Vimal Pande, Phanithi Prakash Babu. (2019). Role of nitric oxide and hydrogen sulfide in ischemic stroke and the emergent epigenetic underpinnings. *Mol. Neurobiol*, 56: 1749-1769.
6. Vimal Pandey, Nikhil Ranjan, Parimala Narne and Phanithi Prakash Babu (2019). Roscovitine effectively enhances antitumor activity of temozolomide in vitro and in vivo mediated by increased autophagy and Caspase-3 dependent apoptosis. *Scientific Reports*, 9:5012 | <https://doi.org/10.1038/s41598-019-41380-1>
7. Pramod Deshpande, Chandrasekhar Y.B.V.K., Deepak Babu, Satish Rao, Manas Panigrahi, Phanithi Prakash Babu (2019) Brainstem glioma: Clinical significance and prognostic evaluation. *Interdiscip. Neurosurgery* (16) 64-66; <https://doi.org/10.1016/j.inat.2019.01.007>
8. Khamushavalli Geeviman, Deepak Babu, Phanithi Prakash Babu (2018). Pantoprazole Induces Mitochondrial Apoptosis and Attenuates NF-κB Signaling in Glioma Cells. *Cellular and Molecular Neurobiology*, 1-14, DOI: 10.1007/s10571-018-0623-4.
9. Deshpande RP, Prakash Babu P, (2018). Profiling of microRNAs modulating cytomegalovirus infection in astrocytoma patients. *Neurological Sciences*. DOI:10.1007/s10072-018-3518-8.
10. Deshpande RP, Panigrahi M, Y B V K Chandra Sekhar, Babu PP (2018). Expression and clinicopathological significance of Nck1 in human astrocytoma progression. *Int J Neurosci*. 2018 Aug 27:1-22. doi: 10.1080/00207454.2018.1516655.
11. Deshpande RP, Prakash Babu P, (2018). Prognostic significance of anatomic origin and evaluation of survival statistics of astrocytoma patients' - a tertiary experience. *Indian J. of Surgical Oncology*. DOI: 10.1007/s13193-018-0820-0
12. M. Allam, A.K.D. Bhavani, A. Mudiraj, N. Ranjan, M. Thippa, P. P. Babu (2018) Synthesis of pyrazolo[3,4-d] pyrimidin-4(5H)-ones tethered to 1,2,3-triazoles and their evaluation as potential anticancer agents. *European Journal of Medicinal Chemistry*, 156: 43-52.
13. Noble Kumar Talari, Manas Panigrahi and PP Babu. (2018). Overexpression of Aryl hydrocarbon receptor (AHR) signalling pathway in human meningioma". *Journal of Neuro-Oncology*. DOI, 10.1007/s11060-017-2730-3. Pubmed ID. 29302888.
14. Praveen Kumar Simhadri, Ruchi Malwade, Ravisankar Vanka, Venkata Prasuja Nakka, Gowthamarajan Kuppusamy, Phanithi Prakash Babu (2017). Dysregulation of LIMK-1/Cofilin-1 Pathway: A Possible Basis for Alteration of Neuronal Morphology in Experimental Cerebral Malaria. *Annals of Neurology*, 82:429-443. doi: 10.1002/ana.25028.

15. Narne P, Pandey V, Phanithi PB. (2017) Interplay between mitochondrial metabolism and oxidative stress in ischemic stroke: An epigenetic connection. *Mol Cell Neurosci.* ; 82:176-194. doi: 10.1016/j.mcn.2017.05.008.
16. Thittayil Suresh Apoorv, Phanithi Prakash Babu (2017). Minocycline prevents cerebral malaria, confers neuroprotection and increases survivability of mice during *Plasmodium berghei* ANKA infection. *Cytokine*, 90: 113-123.
17. Ravindra Pramod Deshpande, Manas Panigrahi, Y. B. V. K. Chandra Sekhar, Phanithi Prakash Babu (2016). SIRP Alpha Protein Downregulates in Human Astrocytoma: Presumptive Involvement of Hsa-miR-520d-5p and Hsa-miR-520d-3p. *Mol Neurobiol*, 2017, Dec; 54(10): 8162-8169. doi: 10.1007/s12035-016-0302-8. Epub 2016 Nov 29.
18. Ravindra Pramod Deshpande, Manas Panigrahi, Chandra Sekhar Y.B.V.K, Phanithi Prakash Babu. (2016) Region specific Dok2 overexpression associates with poor prognosis in human astrocytoma. *Mol. Neurobiol.* DOI: 10.1007/s12035-016-0324-2.
19. Ravindra Pramod Deshpande, Deepak Babu, Manas Panigrahi, Y. B. V. K. Chandra Sekhar, Phanithi Prakash Babu (2016). Brain tumors incidences and a retrospective clinical analysis from a tertiary hospital in India. *J Neurooncol.* DOI 10.1007/s11060-016-2183-0
20. Noble Kumar Talari, Manas Panigrahi, Sailaja Madigubba, Sundaram Challa and Prakash Babu Phanithi (2016). Altered tryptophan metabolism in human meningioma. *J Neurooncology*, 130: 69–77.

REVIEWER FOR

- I. Reviewer for project proposals of GCE-India, (Grand Challenges Explorations- India), A PMU-BIRAC initiative in partnership with Department of Biotechnology, GoI, the Bill & Melinda Gates Foundation, IKP
- II. Reviewer for the international projects: Czech Science Foundation
- III. DST- PAC member - for EMEQ projects
- IV. Reviewer for DST - SERB proposals



P. Prakash Babu
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