



Details for Updating FACULTY PROFILES on Website

1.	Name of the Faculty	Dr. Patchva Dorababu
2.	Department	Pharmacology
3.	Current Designation	Associate Professor
4.	Registration Number	--
Academic Qualifications		
5.	UG Qualification + Name of College/Institute	B.Sc, Kakatiya University
6.	PG Qualification + Name of College/Institute	M.Sc (Medical Pharmacology) Kasturba Medical College, Manipal Univesity
7.	Any Additional Qualifications	Ph.D Nizam's Institute of Medical Sciences (NIMS)

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8.	Number of Years of Experience	13 Years
9.	Publications (in Vancouver Style)	Please refer Annexure-I
10.	Presentations (in Conferences/ CMEs)	Please refer Annexure-I
11.	Projects (Ongoing & Completed)	Please refer Annexure-II
12.	Positions Held / Accomplishments / Awards (if applicable)	<ol style="list-style-type: none">1. Awarded the Senior Research Fellow (SRF) by SERB, New Delhi2. Referee for DST SERB funded projects
13.	Areas of Interest	Pharmacogenetics/omics and personalized medicine, Identification of biomarkers (static and dynamic) for personalized treatment protocol development for anti-cancer therapy.

Annexure-I

1. Kodidela S, **Dorababu P**, Thakkar DN, Dubashi B, Sundaram R, Muralidharan N, Nidanapu RP, Aribandi A, Pradhan SC, Uppugunduri CRS. Association of NUDT15*3 and FPGS 2572C>T Variants with the Risk of Early Hematologic Toxicity During 6-MP and Low-Dose Methotrexate-Based Maintenance Therapy in Indian Patients with Acute Lymphoblastic Leukemia. *Genes (Basel)*. 2020 May 28;11(6):594) (**IF:4.141**)
2. Naushad SM*, **Dorababu P***, Rupasree Y, Pavani A, Raghunadharao D, Hussain T, Alrokayan SA, Kutala VK. Classification and regression tree-based prediction of 6-mercaptopurine-induced leucopenia grades in children with acute lymphoblastic leukemia. *Cancer Chemother Pharmacol*. 2019 May;83(5):875-880 (***Equal first authorship**) (**Impact Factor (IF): 3.581**)
3. Linga VG, **Patchva DB**, Mallavarapu KM, Tulasi V, Kalpathi KI, Pillai A, Gundeti S, Rajappa SJ, Digumarti R. Thiopurine methyltransferase polymorphisms in children with acute lymphoblastic leukemia. *Indian J Med Paediatr Oncol*. 2014 Oct;35(4):276-80
4. **Dorababu P**, Nagesh N, Linga VG, Gundeti S, Kutala VK, Reddanna P, Digumarti R. Epistatic interactions between Thiopurine methyltransferase (TPMT) and Inosine triphosphate pyrophosphatase (ITPA) variations determine the 6-Mercaptopurine toxicity in Indian children with acute lymphoblastic leukemia. *Eur J Clin Pharmacol*. 2012 Apr; 68(4):379-387. (**IF: 3.155**)
5. **Dorababu P**, Naushad SM, Kutala VK, Digumarti R. Impact of age, gender and haplotypes of thiopurine methyltransferase (TPMT) and inosine triphosphate pyrophosphatase (ITPA) genes on 6-mercaptopurine toxicity in children with acute lymphoblastic leukemia. *Eur J Clin Pharmacol*. 2012 May; 68(5):885-886. . (**IF: 3.155**)
6. **Dorababu P**, Nagesh N, Linga VG, Gundeti S, Kutala VK, Reddanna P, Digumarti R. Genetic variants of thiopurine and folate metabolic pathways determine 6-MP-mediated hematological toxicity in childhood ALL. *Pharmacogenomics*. 2012 Jul;13(9):1001-8. (**IF:2.638**)
7. Sudhakar Pemminati, M.B. Nandini Colaco, **D Patchava**, G.Shivaprakash, D.Sheetal Ullal, H.N.Gopalakrishna, U.P. Rathnakar1, Ashok K Shenoy. Role of statins in animal models of anxiety in Normo-cholesterolemic rats. *Journal of Pharmacy Research* 2012,5(7),3764-3766.
8. Gopala krishna HN , Sudhakar P, **Dorababu P** , Pai MRS M , Colaco N , Vineetha V. The Effect of acute and chronic administration of the aqueous extract of triphala on haloperidol induced catalepsy in mice. *Journal of Clinical and Diagnostic Research*. 2010; 3: 2134-2138.
9. Vinod Nair, Arjuman A, H.N. Gopalakrishna, **Dorababu P**, Mirshad P.V, Divya Bhargavan & Dipsanker Chatterji. Evaluation of the anti-ulcer activity of NR-ANX-C (a polyherbal

formulation) in aspirin & pyloric ligature induced gastric ulcers in albino rats. *Indian J Med Res*, 2010;132: pp 218-223.

10. Sudhakar Pemminati, V Nair, **Dorababu P**, Gopalakrishna HN, Pai MRSM. Effect Of Aqueous Fruit Extract Of Emblica Officinalis On Haloperidol Induced Catalepsy In Albino Mice. *Journal of Clinical and Diagnostic Research*. 2009; 3(4): 1657-62.
11. Nair V, Arjuman A, **Dorababu P**, Gopalakrishna HN, Chakradhar Rao U, Mohan L. Effect of NR-ANX-C (a polyherbal formulation) on haloperidol induced catalepsy in albino mice. *Indian J Med Res*. 2007; 126(5):480-484.
12. Pemminati S, Nair V, **Dorababu P**, Gopalakrishna HN, Pai MRSM. Effect of ethanolic leaf extract of Ocimum sanctum on haloperidol-induced catalepsy in albino mice. *Indian Journal of Pharmacology*, 2007; 39 (2): 87-89.

Book chapter:

S.M. Naushad, **Dorababu P** and R. Digumarti. Genetic variants of folate metabolic pathways in Haematological toxicity of leukemia patients. In Handbook of nutrition and diet in leukemia and blood disease therapy by Ed. Ronald Ross Watson & Daruka Mahadevan, Wageningen Academic Publishers, The Netherlands, 2016: pp 291-302

Conference Proceedings

1. **Patchva Dorababu**; Linga Vijay Gandhi, Digumarti, Raghunadharao. Abstract 1874: The role of functional polymorphisms in folate metabolism on 6-mercaptopurine-mediated hematological toxicity in children with acute lymphoblastic leukemia. *Cancer Res* (2012) 72 (8_Supplement): 1874. (<https://doi.org/10.1158/1538-7445.AM2012-1874>)
2. Kodidela Sunitha; **Patchva Dorababu**; Thakkar Dimpal; Dubashi Biswajit; Sundaram Rajan; Nidanapu, Ravi Prasad; Nivedita Muralidharan; Aribandi Anil; Pradhan Suresh Chandra; Uppugunduri Chakradhara R. S. Increased Risk of Early Hematologic Toxicity during Maintenance Therapy in Acute Lymphoblastic Leukemia Patients of South Indian Origin Carrying NUDT15*3 Allele. *Blood* (2019) 134 (Supplement_1): 5059. (<https://doi.org/10.1182/blood-2019-129967>)

Participation in workshops/Conferences

1. School of Life Sciences at University of Hyderabad, Hyderabad. GIAN sponsored course "Basics and Therapeutic Applications of Pluripotent Stem Cells." From 17th – 27th June, 2017
2. Revised Basic Course workshop on Medical Education Technology by Medical Council of India, Regional Center for medical education technology Gandhi Medical College at Apollo Institute of Medical Sciences and Research. From 4th- 6th July, 2017

3. Dept. of Pharmacology, JIPMER, Pondicherry Advanced training on Basic Techniques in Molecular Biology & Bioinformatics in Pharmacogenomics From 6th -12th September, 2009
4. Dept. of Genetics and Molecular Medicine, Hyderabad Advanced Training on Genetic and Molecular Diagnosis in Modern Medicine, Dept. of Biochemistry, Kamineni Hospitals, Hyderabad. India. From 13th – 15th February, 2009

Conference Presentations

1. Regional Young Investigators' Meeting 2018 University of Hyderabad, Hyderabad, 18th-19th, August, 2018
2. Complete Gene Analysis of Thiopurine methyltransferase and Inosine triphosphate pyrophosphatase in the Indian children with Acute Lymphoblastic Leukemia-30th Annual convention of Indian association for cancer research & International symposium on "signaling network and cancer" - Indian Institute of Chemical Biology, Kolkata, during, 6th - 9th February, 2011.
3. A study of the anticataleptic effect of camellia sinensis in haloperidol induced catalepsy in albino mice – 38th Annual Conference of Indian Pharmacological Society, organized by Madras Medical College, Chennai in December, 2005.
4. Effect of emblica officinalis aqueous fruit extract on haloperidol induced catalepsy in albino mice - Association of Physiologists and Pharmacologists of India (APPICON), Surath – December, 2006.
5. Diuretic effect of NR-ANX-C (A poly herbal product) in male albino rats –39th Annual Conference of Indian Pharmacological Society, Jaipur – December, 2006
6. Effect of two statins in animal models of anxiety in normo-cholesterolemic rats – 39th Annual Conference of Indian Pharmacological Society, Jaipur, December 2006.

Conferences attended (excluding above mentioned)

1. ADNAT 2012, Workshop on Genomics and Beyond held at C. R. Rao AIMSCS, Hyderabad from 6th -16th December, 2012
2. HUGO Human Genome Meeting, Hyderabad, India. 27th -30th September, 2008
3. Attended Bio-Asia 2008 held during 22nd -24th, February, 2018 in Hyderabad. India

Annexure-II

S.No	Title of Project	Role	Funding Agency	Year of Sanction	Sanction letter no.	Sanctioned Amount (in Rs.)
1	Pharmacogenetic Determinants of 6-MercaptoPurine toxicity and relapse in children with Acute Lymphoblastic Leukemia	Principal Investigator (PI)	Department of Science and Technology – Science & Engineering Research Board (DST-SERB), New Delhi	2016	EMR/2016/0035 12/HS	54,20,800
2	Extracellular vesicles (EVs) based non-invasive biomarkers for detection of minimal residual disease (MRD) in children with acute lymphoblastic leukemia (ALL)	Principal Investigator (PI)	Indian Council of Medical Research (ICMR)	2020	56/2/2020- GIA/Hae/BMS	2816000
3	Evaluation of utility of genetic markers in drug metabolizing enzymes and transporters in predicting the response and toxicity of Imatinib therapy in Indian chronic myeloid leukemia patients.	Principal Investigator (PI)	NATCO Pharma Limited, Hyderabad	2019	---	1,96,000

4	Combinational effect of CYP3A5 and ABCB1 (MDR1) genotypes on Tacrolimus pharmacokinetics in Indian Renal Transplant Recipients	Principal Investigator (PI)	Dept.of Nephrology, Apollo Hospitals, Hyderabad	2017	--	3,15,000
5	Association of NUDT15*3 and FPGS 2572C>T Variants with the Risk of Early Hematologic Toxicity During 6-MP and Low-Dose Methotrexate-Based Maintenance Therapy in Indian Patients with Acute Lymphoblastic Leukemia		Zydus Pharmaceuticals, USA	2019	---	83,000