

Short CV of Co-PI: Dr. Prakash Patil

Name	: Dr. PRAKASH PATIL
Qualifications	: MSc. PhD (Medicine)
Designation	: Senior Scientist G-1
Institute	: K S Hegde Medical Academy, NITTE (Deemed to be University, Mangaluru-575018)
Date of Birth	: July 20, 1979
Domain Expertise	: Molecular Cell Biology, Infectious Diseases, etc.
Articles in PubMed (Past 10 years)	: 36

Primary research publications related to the proposal

<i>Publication details in AMA style</i>	<i>Impact factor</i>
1. Ghate SD, Suravajhala P, Patil P , Vangala RK, Shetty P, Rao RS. Molecular detection of monkeypox and related viruses: challenges and opportunities. <i>Virus Genes</i> . 2023 Feb 6:1-8.	1.6
2. Rao RS, Ghate SD, Shastry RP, Kurthkoti K, Suravajhala P, Patil P , Shetty P. Prevalence and heterogeneity of antibiotic resistance genes in <i>Orientia tsutsugamushi</i> and other rickettsial genomes. <i>Microbial Pathogenesis</i> . 2023 Jan 1;174:105953.	3.848
3. Jayaswamy PK, Vijaykrishnaraj M, Patil P , Alexander LM, Kellarai A, Shetty P. Implicative Role of Epidermal Growth Factor Receptor and Its Associated Signaling Partners in the Pathogenesis of Alzheimer's Disease. <i>Ageing Research Reviews</i> . 2022 Nov 17:101791.	11.788
4. Edachery S, Patil P , Mohan R, Aradhya B, Shetty J, Kabekkodu SP, Santra MK, Gonchigar SJ, Shetty P. Loss of miR-936 leads to acquisition of androgen-independent metastatic phenotype in prostate cancer. <i>Scientific Reports</i> . 2022 Oct 12;12(1):17070.	4.996
5. Shetty S, Shastry RP, Shetty VA, Patil P , Shetty P, Ghate SD. Functional analysis of <i>Escherichia coli</i> K12 toxin-antitoxin systems as novel drug targets using a network biology approach. <i>Microbial Pathogenesis</i> . 2022 Aug 1;169:105683.	3.848
6. Gollapalli, P., B. S, S., Rimac, H., Patil, P. , Nalilu, S.K., Kandagalla, S. and Shetty, P., 2022. Pathway enrichment analysis of virus-host interactome and prioritization of novel compounds targeting the spike glycoprotein receptor binding domain–human angiotensin-converting enzyme 2 interface to combat SARS-CoV-2. <i>Journal of Biomolecular Structure and Dynamics</i> , 40(6), pp.2701-2714.	5.235
7. Patil P , Shetty P, Kuriakose N, Gollapalli P, Shetty S, Bhandary R, Vishwanatha JK, Ghate SD. Molecular insights on the possible role of Annexin A2 in COVID-19 pathogenesis and post-infection complications. <i>International journal of molecular sciences</i> . 2021 Oct 13;22(20):11028.	5.6
8. Patil P , Bhandary SK, Haridas V, Sarathkumar E, Shetty P. Is butyrate a natural alternative to dexamethasone in the management of CoVID-19?. <i>F1000Research</i> . 2021;10.	2.75
9. Rashmi BS, Gayathri D, Vasudha M, Prashantkumar CS, Swamy CT, Sunil KS, Somaraja PK, Prakash P . Gluten hydrolyzing activity of <i>Bacillus</i> spp isolated from sourdough. <i>Microbial cell factories</i> . 2020 Dec;19:1-1.	6.352
10. Inchara UB, Sathish RP, Shankar KM, Abhiman PB, Prakash P . Evaluation of the Sensitivity of the Flow Through Assay for detection of White Spot Syndrome Virus (WSSV) using a cocktail of monoclonal antibodies. <i>Journal of immunological methods</i> . 2018 May 1;456:54-60.	2.2

Research Projects

Title of project	Role (PI/Co-PI)	Funding agency	Amount (in lakhs)
Mis-Match Repair (MMR) genes expression & Microsatellite Instability (MSI) status in Inflammatory Bowel Disease, preneoplastic and neoplastic lesions of gastro-intestinal tract	Co-PI	RGUHS, Bengaluru	8.00
Proinflammatory Annexin A2 inhibitor incorporated nano-hydrogels for chronic wound care management	PI	NUFR	1.60
Establishment of Justice KS Hegde Charitable Hospital Diagnostic Centre for Inherited Disorders, a DBT-UMMID Initiative at Mangalore to screen pregnant women and newborns in the Aspirational District Wayanad-Kerala	Co-PI	DBT	300.00
Therapeutic Implication of Limbal Stem Cell Extracellular Vesicles in Corneal Damage Repair	Co-PI	ICMR	50.20
Therapeutic translation of epidermal progenitor cells and their extracellular vesicles enriched scaffolds for treating chronic tympanic membrane perforations	Co-PI	DST-SERB	26.95

Professional Experience

Designation	Place	Duration
Senior Scientist G-1	NITTE (Deemed to be University), Mangaluru,	Jan 2020 – Present
Reader	SDM Research Institute for Biomedical Sciences, Dharwad	Nov 2018 – Jan 2020
Assistant Professor	SDM Biomedical Research Center, Dharwad	Jun 2016 – Oct 2018
Post-Doctoral Researcher	Chonbuk National University, Jeonju, South Korea	Feb 2017 – Mar 2018
Assistant Professor (on contractual basis)	College of Fisheries, Mangaluru	Aug 2015 – May 2016

Education

Post-Doc in Medical Pharmacology

March 2018

CHONBUK NATIONAL UNIVERSITY, Jeonju, REPUBLIC OF KOREA

Projects: The study of ER stress regulator, BAX inhibitor-1 and its associated cancer metastasis.

The study of Stress Signaling Transduction through PDI degradation.

PhD in Medicine

April 2015

UNIVERSITY OF MIYAZAKI, Miyazaki, JAPAN

Thesis: Incomplete splicing of neutrophil-specific genes affects neutrophil development in a zebrafish model of poikiloderma with neutropenia

Master of Fisheries Science

October 2004

UNIVERSITY OF AGRICULTURAL SCIENCES, Bangalore, India

Dissertation: Standardization of monoclonal antibody based immunodot assay for field level detection of WSSV in shrimps

(PRAKASH PATIL)