

## Publications

Jamuna S. Sreeja, Athira Jyothy, Rohith Kumar Nellikka, Sayan Ghorai, Paul Ann Riya, Jackson James & Suparna Sengupta (2022) The centrosomal recruitment of  $\gamma$ -tubulin and its microtubule nucleation activity is  $\alpha$ -fodrin guided, **Cell Cycle**, DOI: [10.1080/15384101.2022.2119516](https://doi.org/10.1080/15384101.2022.2119516) (IF 5.179)

Maliekal TT, Dharmapal D and Sengupta S (2022) Tubulin Isotypes: Emerging Roles in Defining Cancer Stem Cell Niche. **Front. Immunol.** 13:876278. doi: 10.3389/fimmu.2022.876278 (IF 7.561)

Pammi Guru, K.T.; Sreeja, J.S.; Dharmapal, D.; Sengupta, S.; Basu, P.K. Novel Gold Nanoparticle-Based Quick Small-Exosome Isolation Technique from Serum Sample at a Low Centrifugal Force. **Nanomaterials** 2022, 12, 1660. <https://doi.org/10.3390/nano12101660> (Impact factor 5.719)

Dharmapal D, Jyothy A, Mohan A, Balagopal PG, George NA, Sebastian P, Maliekal TT and Sengupta S (2021)  $\beta$ -Tubulin Isotype, TUBB4B, Regulates The Maintenance of Cancer Stem Cells. **Front. Oncol.** 11:788024. doi: 10.3389/fonc.2021.788024 (Impact Factor 6.244)

Jamuna S. Sreeja, Athira Jyothy and Suparna Sengupta (2021): Fodrin in Cytoskeletal Organization and the Activity of Certain Key Microtubule Kinesins. **Genes** 12, 750. <https://doi.org/10.3390/genes12050750> (Impact factor 4.096)

Jamuna S. Sreeja, Rince John, Dhrishya Dharmapal, Rohith Kumar Nellikka, Suparna Sengupta (2020): A Fresh Look at the Structure, Regulation, and Functions of Fodrin. **Molecular and Cellular Biology**, Volume 40 Issue 17 e00133-20 (Impact Factor 4.272)

Rohith Kumar Nellikka, Jamuna S Sreeja, Dhrishya Dharmapal, Rince John, Augusta Monteiro, Joana Catarina Macedo, Carlos Conde, Elsa Logarinho, Claudio E. Sunkel and Suparna Sengupta (2019)  $\alpha$ -Fodrin is required for the organization of functional microtubules during mitosis. **Cell Cycle** 20, 2713-2726 (Impact factor 4.534)

Govindaiah Pilli, Naresh Dumala, Jamuna S. Sreeja, Rince John, Suparna Sengupta, Paramjit Grover and Jaya Prakash M. (2019) Design, Synthesis and Pharmacological Evaluation of 4-Hydroxycoumarin Derivatives as Antiproliferative Agents. **ChemistrySelect**, 4, 10805– 10809 [10.1002/slct.201902089](https://doi.org/10.1002/slct.201902089) (Impact factor 2.109)

Jamuna S. Sreeja, Rohith Kumar Nellikka, Rince John, Krishnankutty C. Sivakumar, Easwaran Sreekumar and Suparna Sengupta\* (2019) Binding of alpha-fodrin to gamma-tubulin accounts for its role in the inhibition of microtubule nucleation. **FEBS Letters** doi:10.1002/1873-3468.13425 (Impact factor 4.124)

Reshma Thamkachy, Rohith Kumar, K. N. Rajasekharan and Suparna Sengupta (2016) ERK mediated upregulation of death receptor 5 overcomes the lack of p53 functionality in the diaminothiazole DAT1 induced apoptosis in colon cancer models: efficiency of DAT1 in Ras-Raf mutated cells. **Molecular Cancer** 15:22 DOI 10.1186/s12943-016-0505-7 (Impact factor 6.3)

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Smreti Vasudevan, Sannu Ann Thomas, Krishnankutty C. Sivakumar, Reena J. Komalam, Keerthi V. Sreerekha, Kallikat N. Rajasekharan and Suparna Sengupta\* (2015): Diaminothiazoles Evade Multidrug Resistance in Cancer Cells and Xenograft Tumour Models and Develop Transient Specific Resistance: Understanding the Basis of Broad-Spectrum vs Specific Resistance. **Carcinogenesis** **36**, 883-93 Doi: 10.1093/carcin/bgv072 (Impact factor 5.6)

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