LIST OF PUBLICATIONS

1. Su H, Zhou F, Huang Z, Ma X, **Natarajan K**, Zhan M, Huang Y and Su H Molecular insights into small molecule drug discovery for SARS-CoV2. (2021) **Angewandte Chemie,** 133, 9873-9886

2. **Natarajan K***, Mukhtasimova N*, Corradi J, Lasala M, Bouzat C, Sine SM "Mechanism of Calcium Potentiation in α7 nicotinic acetylcholine receptor" (2020) **Journal of General Physiology, 152, (9), e202016606 (***equal contribution). **Spotlighted in Research news** **https://rupress.org/jgp/article/152/9/e202012740/152038/How-calcium-helps-7-nicotinic-acetylcholine**)

3. Strassel, Catherine, Maria M. Magiera, Arnaud Dupuis, Morgane Batzenschlager, Agnès Hovasse, Irina Pleines, Paul Guéguen et al. (2019) "An essential role for α4A-tubulin in platelet biogenesis." ***Life science alliance*** 2, e201900309.

4. Stoupa, A., Adam, F., Kariyawasam, D., Strassel, C., Gawade, S., Szinnai, G., Kauskot, A., Lasne, D., Janke, C., **Natarajan, K.** and Schmitt, A., et al. (2018). TUBB1 mutations cause thyroid dysgenesis associated with abnormal platelet physiology. ***EMBO molecular medicine***, *10*(12), e9569.

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6. Belvindrah R, **Natarajan K,** Shabajee P, Bruel-Jungerman E, Bernard J, et al., (2017) Mutation of Tuba1a leads to straighter microtubules perturbing neuronal migration. **Journal of Cell Biology,** 216, 2443-2461. **Spotlighted in Commentary** **https://rupress.org/jcb/article/216/8/2247/39141/Tubulin-isotype-specificity-in-neuronal-migration).**

7. Gadadhar S, Bodakuntla S, **Natarajan K** and Janke C (2017) Tubulin code at a glance. **Journal of Cell Science,** 130, 1347-1353.

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9. **Natarajan K** and Senapati S. (2013) Probing the conformational flexibility of monomeric FtsZ in GTP bound, GDP bound, and nucleotide-free states. ***Biochemistry*** 52: 3543-3551.

10. **Natarajan K,** Mohan J, and Senapati S. (2013) Relating nucleotide-dependent conformational changes in free tubulin dimer to tubulin assembly. ***Biopolymers*** 99: 282-291. (**Spotlighted on the journal Cover**)

11. **Natarajan K** and Senapati S. (2012) Understanding the basis of drug resistance of the mutants of αβ-tubulin dimer via molecular dynamics simulations. ***PLoS ONE*** 7(8): e42351**.**