

## Publications:

1. **Jose L.**; Gonzalez, J.; Kessinger, E.; Androphy, E.J.; DeSmet, M. Focal Adhesion Kinase Binds to the HPV E2 Protein to Regulate Initial Replication after Infection. *Pathogens* 2023, 12, 1203.
2. Kanginakudru S, Gilson T, **Jose L.**, Androphy EJ. Effects of Caffeine, a DNA Damage Response Inhibitor, on Papillomavirus Genome Replication. *Pathogens*. 2022 Nov 5;11(11):1298.
3. **Jose L.**; Androphy EJ, DeSmet M. SETD6 Regulates E2-Dependent Human Papillomavirus Transcription. *Journal of Virology* 2022 Nov 23;96(22):e0129522.
4. **Jose L.**; Gilson, T, Androphy, E.J, DeSmet, M. Regulation of the Human Papillomavirus Lifecycle through Post-Translational Modifications of the Viral E2 Protein. *Pathogens* 2021, 10, 793. <https://doi.org/10.3390/pathogens10070793>
5. **Jose L.**; Marsha DeSmet and Elliot J Androphy. (2020) Pyk2 Regulates Human Papillomavirus Replication by Tyrosine Phosphorylation of the E2 Protein. *Journal of Virology* 2020: 10.1128/JVI.01110-20.
6. Parvin Abraham, **Jose L**, Tessy Thomas Maliekal, R. Ajay Kumar, K. Santhosh Kumar (2020). B1CTcu5: A frog-derived brevinin-1 peptide with anti-tuberculosis activity, Peptides, 170373. 10.1016/j.peptides.2020.170373.
7. **Jose L**, Elliot J Androphy, Marsha DeSmet (2020). Phosphorylation of the Human Papillomavirus E2 Protein at Tyrosine 138 Regulates Episomal Replication. *Journal of Virology* 10.1128/JVI.00488-20
8. Marsha DeSmet\*, **Jose L**\*, Nasro Isaq, and Elliot J. Androphy (2019). Phosphorylation of a Conserved Tyrosine in the Papillomavirus E2 Protein Regulates Brd4 Binding and Viral DNA Replication. *Journal of Virology*, 93(10), e01801-18. 10.1128/JVI.01801-18. *\*Equal first author.*
9. Sajith Raghunandanan\*, **Jose L**\*, Vipin Gopinath, Ramakrishnan Ajay Kumar (2019). Comparative label-free lipidomic analysis of *Mycobacterium tuberculosis* during dormancy and reactivation. *Scientific Reports* 9, 3660. <https://doi.org/10.1038/s41598-019-40051-5> *\*Equal first author.*
10. **Jose L**, Elliot J Androphy, Marsha DeSmet (2018). Emerging role of FGF receptors in papillomavirus replication. *Future Virology*. <https://doi.org/10.2217/fvl-2018-0137>.
11. Sajith Raghunandanan, **Jose L**, Ramakrishnan Ajay Kumar (2018). Dormant *Mycobacterium tuberculosis* converts isoniazid to the active drug in a Wayne's model of dormancy. *The Journal of Antibiotics*; DOI:10.1038/s41429-018-0098-z
12. Marsha DeSmet, Sriramana Kanginakudru, **Jose L**, Fang Xie, Timra Gilson, Elliot J Androphy (2018). Papillomavirus E2 protein is regulated by specific fibroblast growth factor receptors. *Virology* 06/2018; 521., DOI: 10.1016/j.virol.2018.05.013
13. Fang Xie, Marsha DeSmet, Sriramana Kanginakudru, **Jose L**, Sara P. Culleton, Timra Gilson, Chengxin Li, Elliot J. Androphy (2017). Kinase Activity of Fibroblast Growth Factor Receptor 3 Regulates Activity of the Papillomavirus E2 Protein. *Journal of Virology* 08/2017; 91(20)., DOI:10.1128/JVI.01066-17
14. Sharrel Rebello, **Jose L**, Sindhu Raveendran, Embalil Mathachan Aneesh: Molecular advancements in the development of thermostable phytases. *Applied Microbiology and Biotechnology* 02/2017; 101(7)., DOI:10.1007/s00253-017-8195-7
15. Roshna Lawrence Gomez, **Jose L**, Ranjit Ramachandran, Sajith Raghunandanan, Balaji Muralikrishnan, John Bernet Johnson, Sivakumar Chandrika Krishnankutty, Sathish

- Mundayoor, Ramakrishnan Ajay Kumar: The multiple stress responsive transcriptional regulator Rv3334 of *Mycobacterium tuberculosis* is an autorepressor and a positive regulator of *kstR*. FEBS Journal 06/2016; 283(16):n/a-n/a., DOI:10.1111/febs.13791
16. Sharrel Rebello, Biljo V Joseph, Sunil V Joseph, **Jose L**, Sathish Mundayoor, Jisha M S: Bioconversion of sodium dodecyl sulfate to rhamnolipids by transformed *Escherichia coli* DH5 $\alpha$  cells - a novel strategy for rhamnolipid synthesis. Journal of Applied Microbiology 12/2015; 120(3)., DOI:10.1111/jam.13032
  17. Aneesh Chandran, Cecil Antony, **Jose L**, Sathish Mundayoor, Krishnamurthy Natarajan, R.Ajay Kumar: *Mycobacterium tuberculosis* Infection Induces HDAC1-Mediated Suppression of IL-12B Gene Expression in Macrophages. Frontiers in Cellular and Infection Microbiology 11/2015; 5., DOI:10.3389/fcimb.2015.00090
  18. **Jose L**, Ranjit Ramachandran, Raghu Bhagavat, Roshna Lawrence Gomez, Aneesh Chandran, Sajith Raghunandan, Ramakrishnapillai Vyomakesannair Omkumar, Nagasuma Chandra, Sathish Mundayoor, Ramakrishnan Ajay Kumar: Hypothetical protein Rv3423.1 of *Mycobacterium tuberculosis* is a histone acetyltransferase. FEBS Journal 10/2015;, DOI:10.1111/febs.13566
  19. Vipin Gopinath, Sajith Raghunandan, Roshna Lawrence Gomez, **Jose L**, Arun Surendran, Ranjit Ramachandran, Akhil Raj Pushparajan, Sathish Mundayoor, Abdul Jaleel, Ramakrishnan Ajay Kumar: Profiling the Proteome of *Mycobacterium tuberculosis* during Dormancy and Reactivation. Molecular & Cellular Proteomics 05/2015; 14(8)., DOI:10.1074/mcp.M115.051151
  20. Sharrel Rebello, Aju K Asok, Sunil V Joseph, Biljo V Joseph, **Jose L**, Sathish Mundayoor, Jisha M S: Bioconversion of Sodium Dodecyl Sulphate to Rhamnolipid by *Pseudomonas aeruginosa*: A Novel and Cost-Effective Production Strategy. Applied biochemistry and biotechnology 12/2012; 169(2)., DOI:10.1007/s12010-012-9988-x
  21. Divya Lakshmanan, Jim Werngren, **Jose L**, K.P. Suja, Mangalam S Nair, R Luxmi Varma, Sathish Mundayoor, Sven Hoffner, R Ajay Kumar: Ethyl p-methoxycinnamate isolated from a traditional anti-tuberculosis medicinal herb inhibits drug resistant strains of *Mycobacterium tuberculosis in vitro*. Fitoterapia 03/2011; 82(5):757-61., DOI: 10.1016/j.fitote.2011.03.006