

LIST OF PUBLICATIONS (* Equal Corresponding Author)

1. Hajra D and **Chakravortty D**, 2025, Sirtuins as modulators of infection outcomes in the battle of host-pathogen dynamics. **Physics of Life Reviews**, doi.org/10.1016/j.plrev.2025.03.020
2. Chopra U, Sabu MK, Rajmani RS, Chaudhary AD, Gupta SK, **Chakravortty D**, 2025, *Salmonella* effector SseL induces PD-L1 up-regulation and T cell inactivation via β -catenin signalling axis, **J Infect Dis** (Accepted)
3. Ghosh S, Roy S, Baid N, Das UK, Rakshit S, Sanghavi P, Hajra D, Menon S, Sahil M, Shaw S, Rajmani RS, Adicherla H, Mondal J, **Chakravortty D**, Mallik R, Banerjee A, 2025, Host AAA-ATPase VCP/p97 lyses ubiquitinated intracellular bacteria as an innate antimicrobial defense, **Nature Microbiology** (Accepted)
4. Raj D, Nair AV, Singh A, Basu S, Sarkar K, Sharma J, Sharma S, Sharma S, Rathore M, Singh S, Prakash S, SIMRAN., Sahu S, Kaushik A, Siddiqi M, Ghoshal U., Chandra T, Bhosale V, Dasgupta A, Gupta S, Verma S, Guha R, **Chakravortty D***, **Ammanathan V***, **Lahiri A***, 2025, *Salmonella* Typhimurium effector SseI regulates peroxisomal dynamics to acquire lysosomal cholesterol, **EMBO Rep**, 26(3):656-689. doi: 10.1038/s44319-024-00328-x
5. Dewangan KK, S SR, Roy D, Roy Chowdhury A, **Chakravortty D**, Basu S, 2025, Insights into Transient Dynamics of Bacteria-Laden Liquid Bridges, **Langmuir**. doi: 10.1021/acs.langmuir.5c00058
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11. Jain S, **Chakravortty D**, Basu S, 2024, **Langmuir.**;40(33):17161-17169. doi: 10.1021/acs.langmuir.4c01923.
12. Hajra D, Rajmani RS, Chaudhary AD, Gupta SK, **Chakravortty D**, 2024, *Salmonella*-induced SIRT1 and SIRT3 are crucial for maintaining the metabolic switch in bacteria and

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