Stanford

Paulami Chatterjee

Postdoctoral Scholar, Pulmonary and Critical Care Medicine

Bio

PROFESSIONAL EDUCATION

- Bachelor of Science, University Of Calcutta (2010)
- Master of Science, University Of Calcutta (2012)
- Doctor of Philosophy, University Of Calcutta (2020)
- Ph.D., University of Calcutta, India , Bioinformatics (2019)
- M.Sc., University of Calcutta, India , Biochemistry (2012)
- B.Sc, University of Calcutta, India , Microbiology (2010)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research involves studying the pathogenic mechanisms underlying the host-pathogen interaction in pulmonary diseases. I am particularly interested in exploring transcriptomic and proteomic changes in Cystic Fibrosis and Asthma patients who develop severe allergic inflammation due to fungal hypersensitivity. Complete understanding of these interaction will help us identify significant fungal virulence factors and help us define clinically relevant targets for therapeutic use.

Publications

PUBLICATIONS

- **The safety and tolerability of pirfenidone for bronchiolitis obliterans syndrome after hematopoietic cell transplant (STOP-BOS) trial.** *Bone marrow transplantation*
  Matthaiou, E. I., Sharifi, H., O'Donnell, C., Chiu, W., Owyang, C., Chatterjee, P., Turk, I., Johnston, L., Brondstetter, T., Morris, K., Cheng, G., Hsu, J. L.
  2022
- **NIKKOMYCIN Z AGAINST DISSEMINATED COCCIDIOIDOMYCOSIS IN A MURINE MODEL OF SUSTAINED RELEASE DOSING.** *Antimicrobial agents and chemotherapy*
  Sass, G., Larwood, D. J., Martinez, M., Chatterjee, P., Xavier, M. O., Stevens, D. A.
  2021: AAC0028521
- **Altered Pseudomonas Strategies to Inhibit Surface Aspergillus Colonies.** *Frontiers in cellular and infection microbiology*
  Sass, G., Nazik, H., Chatterjee, P., Shrestha, P., Groleau, M., Deziel, E., Stevens, D. A.
  2021; 11: 734296
- **Under nonlimiting iron conditions pyocyanin is a major antifungal molecule, and differences between prototypic Pseudomonas aeruginosa strains.** *Medical mycology*
  Sass, G., Nazik, H., Chatterjee, P., Stevens, D. A.
  2020

- **Review of Potential Pseudomonas Weaponry, Relevant to the Pseudomonas-Aspergillus Interplay, for the Mycology Community.** *Journal of fungi (Basel, Switzerland)*
  Chatterjee, P., Sass, G., Swietnicki, W., Stevens, D. A.
  2020; 6 (2)
- **Epigenetic Drug Repositioning for Alzheimer's Disease Based on Epigenetic Targets in Human Interactome.** *Journal of Alzheimer's disease : JAD*
  Chatterjee, P., Roy, D., Rathi, N.
  2018; 61 (1): 53-65
- **Biological networks in Parkinson's disease: an insight into the epigenetic mechanisms associated with this disease.** *BMC genomics*
  Chatterjee, P., Roy, D., Bhattacharyya, M., Bandyopadhyay, S.
  2017; 18 (1): 721
- **Structural insight into GRIP1-PDZ6 in Alzheimer's disease: study from protein expression data to molecular dynamics simulations.** *Journal of biomolecular structure & dynamics*
  Chatterjee, P., Roy, D.
  2017; 35 (10): 2235-2247
- **Comparative analysis of RNA-Seq data from brain and blood samples of Parkinson's disease.** *Biochemical and biophysical research communications*
  Chatterjee, P., Roy, D.
  2017; 484 (3): 557-564
- **Insight into the Epigenetics of Alzheimer's Disease: A Computational Study from Human Interactome.** *Current Alzheimer research*
  Chatterjee, P., Roy, D.
  2016; 13 (12): 1385-1396
- **A bidirectional drug repositioning approach for Parkinson's disease through network-based inference.** *Biochemical and biophysical research communications*
  Rakshit, H., Chatterjee, P., Roy, D.
  2015; 457 (3): 280-7
- **Studying the system-level involvement of microRNAs in Parkinson's disease.** *PloS one*
  Chatterjee, P., Bhattacharyya, M., Bandyopadhyay, S., Roy, D.
  2014; 9 (4): e93751