

Department of Microbiology

PhD Journal Club 1.0 (2021)

Date	Presenter	Title of the Research paper
22/10/2021	Saranjot Kaur	Distinct amyloid- β and tau-associated microglia profiles in Alzheimer's disease
29/10/2021	Sandeep Kumar	Ubiquitylation of lipopolysaccharide by RNF213 during bacterial infection
12/11/2021	Ravi Prakash Yadav	Kindlin-3 mutation in mesenchymal stem cells results in enhanced chondrogenesis
26/11/2021	Umesh Chand	Antibacterial Activity of Green-Synthesized Silver Nanoparticles Using Areca catechu Extract against Antibiotic-Resistant Bacteria
3/12/2021	Ashu Kumar	ScienceIn vitro bactericidal and imipenem synergistic effect of nano-silver against multiple drug-resistant <i>Pseudomonas aeruginosa</i>
10/12/2021	Sukhchain Kaur	Association of single nucleotide polymorphisms in the NRF2 promoter with vascular stiffness with aging
17/12/2021	Ravindra Kumar	Leishmania-induced inactivation of the macrophage transcription factor AP-1 is mediated by the parasite metalloprotease GP63
24/12/2021	Aaina	Isolation, Characterization and Genomic Analysis of a Novel Bacteriophage VB_EcoS-Golestan Infecting Multidrug-Resistant <i>Escherichia coli</i> Isolated from Urinary Tract Infection
18/02/2022	Amit Kumar	DHA attenuated Japanese Encephalitis virus infection-induced neuroinflammation and neuronal cell death in cultured rat Neuron/glia
25/2/2022	Tushar Midha	Combination of pre-adapted bacteriophage therapy and antibiotics for treatment of fracture-related infection due to pan drug-resistant <i>Klebsiella pneumoniae</i>

PhD Journal Club 2.0 (2022)

Date	Presenter	Title of the Research paper
23/09/2022	Dr Somesh Baranwal	The epithelial mesenchymal transition generates cells with properties of stem cells
30/09/2022	Saranjot Kaur	DNA repair protein APE1 is involved in host response during pneumococcal meningitis and its expression can be modulated by vitamin B6
14/10/2021	Ravi Prakash Yadav	Kindlin-2 promotes hepatocellular carcinoma invasion and metastasis by increasing Wnt β -catenin signaling
21/10/2022	Aaina	An Optimized Bacteriophage Cocktail Can Effectively Control Salmonella in vitro and in Galleria mellonella
04/11/2022	Umesh Chand	Biogenic Synthesis of Silver Nanoparticles Using Phyllanthus emblica Fruit Extract and Its Inhibitory Action Against the Pathogen Acidovorax oryzae Strain RS-2 of Rice Bacterial Brown Stripe
11/11/2022	Ashu Devraj	Oxidative stress, DNA, and membranes targets as modes of antibacterial and antibiofilm activity of facile synthesized biocompatible keratin-copper nanoparticles against multidrug resistant uro-pathogens
25/11/2022	Amit	Neuroprotection by dihydrotestosterone in LPS-induced neuroinflammation
23/12/2022	Tushar Midha	Bacteriophage EK99P-1 alleviates enterotoxigenic Escherichia coli K99-induced barrier dysfunction and inflammation

PhD Journal Club 3.0 (2023)

Date	Presenter	Title of the Research paper
15-09-2023	Prof Monisha Dhiman	P47phox22 Mice Are Compromised in Expansion and Activation of CD8+ T Cells and Susceptible to Trypanosoma cruzi
22-09-2023	Ravi P Yadav	miR-122/SEN1 axis confers stemness and chemoresistance to liver cancer through Wnt β -catenin signaling
29-09-2023	Ashu Devraj	The Antimicrobial and Anti-Inflammatory Effects of Silver Nanoparticles Synthesised from Cotyledon orbiculata Aqueous Extract
06-10-2023	Umesh Chand	Boron-based magnesium diboride nanosheets preparation and tested for antimicrobial properties for PES membrane
13-10-2023	Aaina Choudhary	Effects of bacteriophage on Salmonella Enteritidis infection in broilers
27-10-2023	Tushar Midha	Monitoring phage-induced lysis of gram-negatives in real time using a fluorescent DNA dye
03-11-2023	Sakshi Kumari	Lutein Induces Reactive Oxygen Species-Mediated Apoptosis in Gastric Cancer AGS Cells via NADPH Oxidase Activation
24-11-2023	Ruth Zomuansangi	Urban Particles Elevated Streptococcus pneumoniae Biofilms, Colonization of the Human Middle Ear Epithelial Cells, Mouse Nasopharynx and Transit to the Middle Ear and Lungs
01-12-2023	Anshu Singh	Staphylococcus aureus Bacteriophage 52 Endolysin Exhibits Anti-Biofilm and Broad Antibacterial Activity Against Gram-Positive Bacteria
15-12-2023	Akanksha Singh	PET micro plastics affect human gut microbiota communities during simulated gastrointestinal digestion, first evidence of plausible polymer biodegradation during human digestion
22-12-2023	Vikram Prasad	In Vitro Destruction of Streptococcus pneumoniae Biofilms with Bacterial and Phage Peptidoglycan Hydrolases