

John B. Johnson publication list

1. **Bernet J**, Mullick J, Singh AK and Sahu A. 2003 “Viral mimicry of the complement system”; *J Biosci.* 28:249-264.
2. Mullick J, **Bernet J**, Singh AK, Lambris JD and Sahu A. 2003 “Kaposi’s Sarcoma-Associated Herpesvirus(Human herpesvirus 8) open reading frame 4 protein(Kaposica) is a functional homolog of complement control proteins”; *J Virol.* 77(6):3878-3881.
3. **Bernet J**, Mullick J, Panse Y, Parab PB and Sahu A. 2004 “Kinetic analysis of the interactions between Vaccinia virus complement control protein and human complement protein C3b and C4b”; *J Virol.* 78(17):9446-9457.
4. Mullick J, Singh A.K, Panse Y, Yadav V, **Bernet J** and Sahu A 2004 “Identification of functional domains in Kaposica, the complement control protein homolog of Kaposi’s Sarcoma-Associated Herpesvirus (Human Herpesvirus 8) *J Virol.* 79(9):5850-6.
5. Mullick J, **Bernet J**, Panse Y, Hallihosur S, Singh A.K. and Sahu A. 2005 “Identification of complement regulatory domains in vaccinia virus complement control protein” *J Virol.* 79(19):12382-93.
6. SinghAK, Mullick J, **Bernet J**, Sahu A. 2006 “Functional characterization of the complement control protein homolog of herpesvirussaimiri: ARG-118 is critical for factor I cofactor activities” *J Biol Chem.* 281(32):23119-28.
7. Arimilli S, **Johnson JB**, Alexander-Miller MA, Parks GD. 2007 “TLR-4 and -6 agonists reverse apoptosis and promote maturation of simian virus 5-infected human dendritic cells through NFkB-dependent pathways.” *Virology.* 365(1):144-56.
8. **Johnson JB**, Capraro GA and Parks GD. 2008 “Differential Mechanisms of Complement-mediated neutralization of the closely related paramyxoviruses Simian Virus 5 and Mumps Virus.” *Virology.* Jun 376(1):112-23.
9. Capraro GA, **Johnson JB**, Kock ND and Parks GD. 2008 “Virus growth and antibody responses following respiratory tract infection of mice and ferrets with WT and P/V mutants of the paramyxovirus Simian Virus 5.” *Virology.* 376(2):416-28.
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11. **Johnson JB**, Grant K and Parks GD. 2009 “The paramyxoviruses SV5 and Mumps virus recruit host cell CD46 to evade complement-mediated neutralization”. *J Virol.* 83(15):7602-11.
12. Delaney KN, Phipps JP, **Johnson JB** and Mizel SB. 2010 “A recombinant flagellin-

poxvirus fusion protein vaccine elicits complement-dependent protection against respiratory challenge with vaccinia virus in mice”. *Viral Immunol.* 23(2):201-10.

13. **Johnson JB**, Aguilar HC, Lee B, Parks GD. 2011 “Interaction of human complement with virus particles containing the Nipah virus glycoproteins. *J Virol.* 85(12):5940-8.
14. **Bernet J**, Ahmad M, Mullick J, Panse Y, Singh AK, Parab PB, Sahu A. 2011 “Disabling complement regulatory activities of vaccinia virus complement control protein reduces vaccinia virus pathogenicity.” *Vaccine.* 29(43):7435-43.
15. Clark KM, **Johnson JB**, Kock ND, Mizel SB and Parks GD. 2011 “Parainfluenza Virus 5-based vaccine vectors expressing vaccinia virus (VACV) antigens provide long-term protection in mice from lethal intranasal VACV challenge.” *Virology.* 419(2):97-106.
16. **Johnson JB**, Lyles DS, Alexander-Miller MA, Parks GD. 2012. “Virion-associated complement regulator CD55 is more potent than CD46 in mediating resistance of mumps virus and vesicular stomatitis virus to neutralization.” *J Virol.* 86(18):9929-40.
17. Biswas M, **Johnson JB**, Kumar SRP, Parks G and Subbiah E. 2012 "Incorporation of host complement regulatory proteins into Newcastle disease virus enhances complement evasion". *J Virol* 86(23):12708-16.
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19. Ganguly T, **Johnson JB***, Kock ND, Parks GD, Deora R. 2014 “The Bordetella pertussis Bps polysaccharide enhances lung colonization by conferring protection from complement-mediated killing.” *Cell Microbiol.* 16(7):1105-18.
20. Mayer AE, **Johnson JB**, Parks GD. 2014 “The neutralizing capacity of antibodies elicited by parainfluenza virus infection of African Green Monkeys is dependent on complement.” *Virology.* 460-461:23-33 doi: 10.1016/j.virol.2014.05.004. Epub 2014 May 29.
21. **Johnson JB**, Borisevich V, Rockx B, Parks GD. 2015 “A novel Factor I activity in Nipah virus inhibits human complement pathways through cleavage of C3b.” *J Virol.* 15;89(2):989-98.
22. Gomez RL, Jose L, Ramachandran R, Raghunandan S, Muralikrishnan B, **Johnson JB**, Sivakumar KC, Mundayoor S and Kumar RA. 2016 “The multiple stress responsive transcriptional regulator Rv3334 of Mycobacterium tuberculosis is an autorepressor and a positive regulator of kstR. *FEBS J.* 283(16):3056-71.
23. Li Y, **Johnson JB***, Parks GD. 2016 “Parainfluenza virus 5 upregulates CD55 expression to

produce virions with enhanced resistance to complement-mediated neutralization. *Virology* 497:305-13.