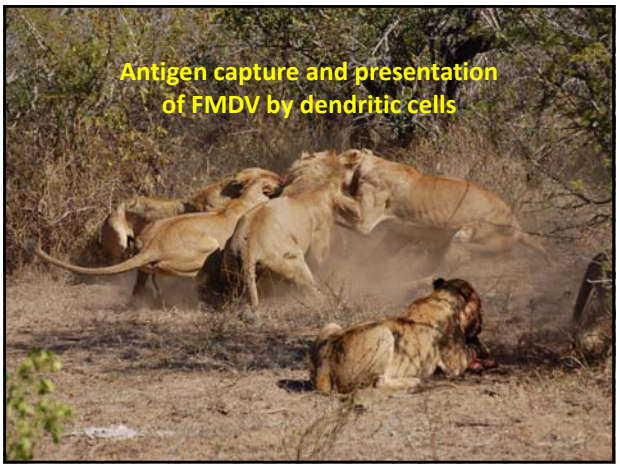
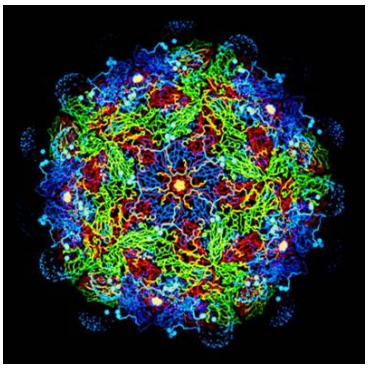
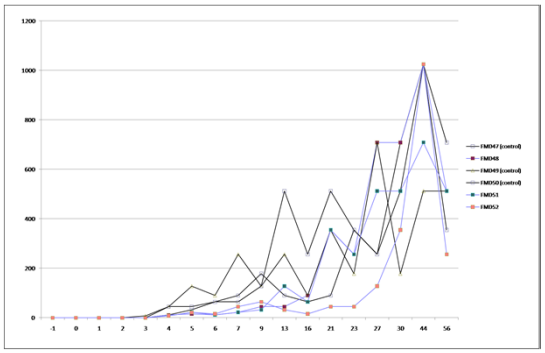


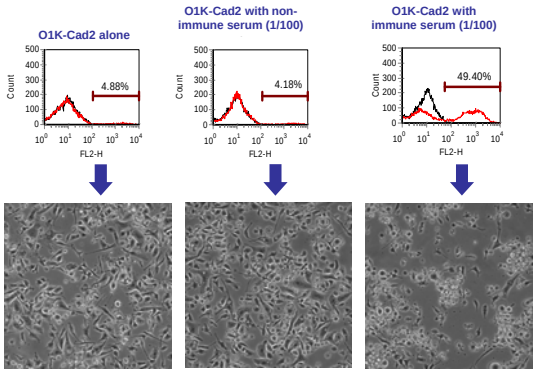
FMDV capsid: T independent and T dependent epitopes



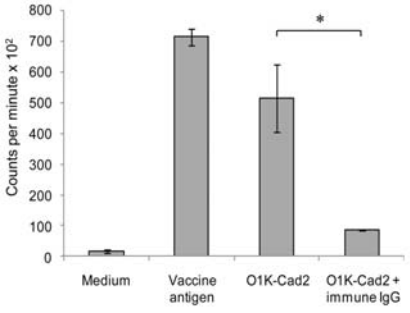
Depletion of CD4⁺ T cells during FMDV vaccination



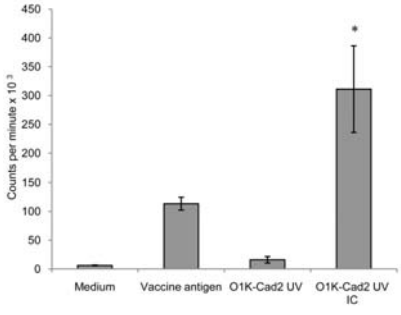
Antibody from immune cattle can form complexes with FMDV which allow the virus to enter, replicate in, and kill moDC



FMDV immune complexes significantly reduce T cell proliferative responses



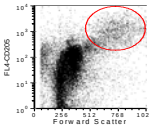
Using IC to target inactivated FMDV to moDC results in significantly increased T cell stimulation



Antigen targeting

Infection of DCs with recombinant viruses *in-vitro*

(20 hours incubation)

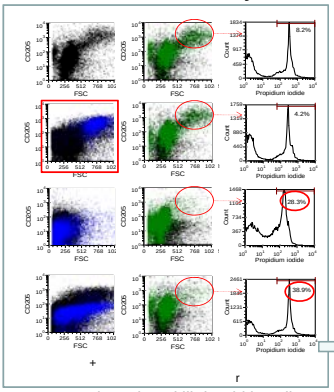


Vector efficiency at delivering antigen to DCs *in vitro*?

Recombinant virus	% GFP⁺ cells	Mean fluorescence (GFP)
No Virus	0.01	109
Adenovirus	**37.52**	**570**
MVA	31.60	172
Fowlpox	25.51	257

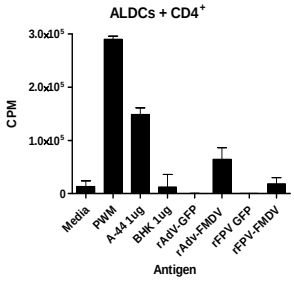
huAdV5 delivers antigen to more cells
Adenovirus-infected cells express antigen more efficiently

Viability of dendritic cells infected by recombinant viruses

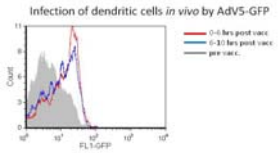


MVA and Fowlpox kill dendritic cells

T cell proliferation



AdV5-GFP + Adjuvant – subcutaneously



% of DCs GFP+ post inoculation