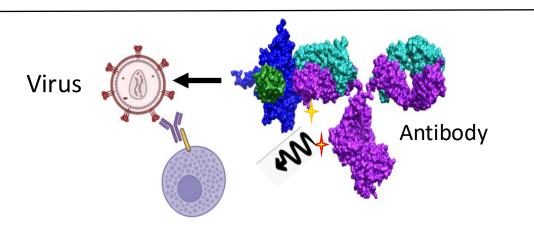


Integrating imaging modalities for spatiotemporal characterization of Antibody – Microbe Dynamics (Bacteria and Viruses)





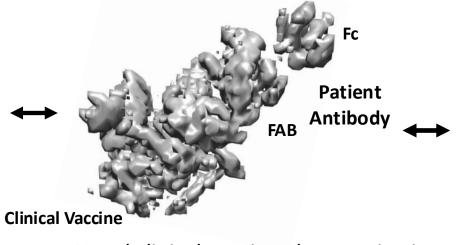
Bcteria

Super-resolution Microscopy

Antibody Antigen Antibody

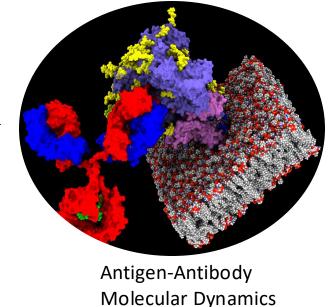
Antigen-Antibody host cell dynamics

CryoEM



- Novel clinical vaccine characterization
- Whole Antibodies
- Antigen-induced Antibody Function
- Multi-imaging modalities

Molecular Dynamics



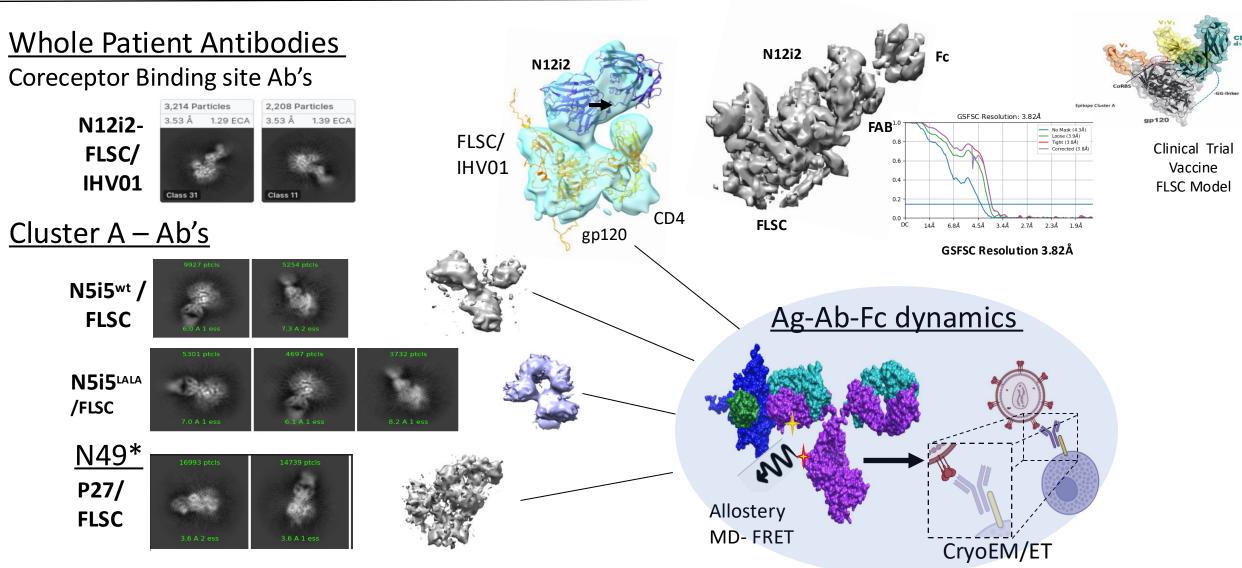
Greg Snyder - Univ of Maryland Baltimore



<u>CryoEM characterization of novel clinical reagent (FLSC) in complex with PLWH Antibodies</u>



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^{*} N49 is a novel HIV donor derived Ab with unique effector function

Ray, Lewis, Snyder unpublished – manuscript in preparation