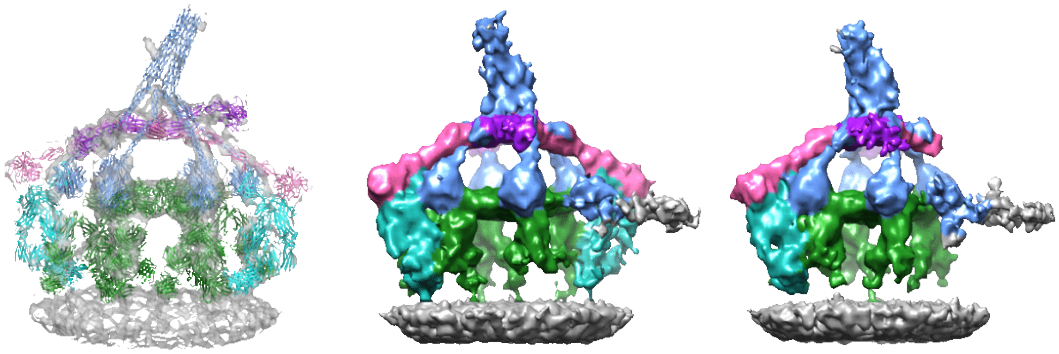
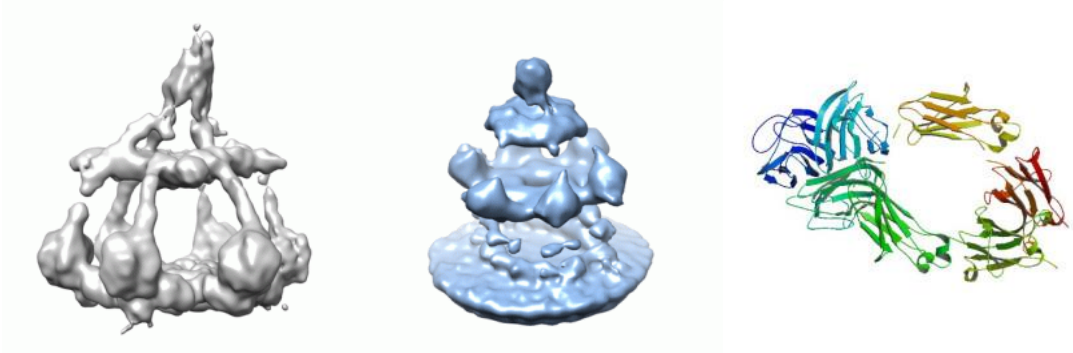
Structures

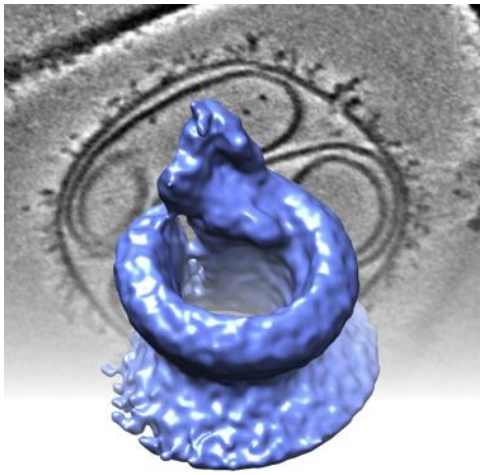
A summary of the structures we have solved using cryoEM.



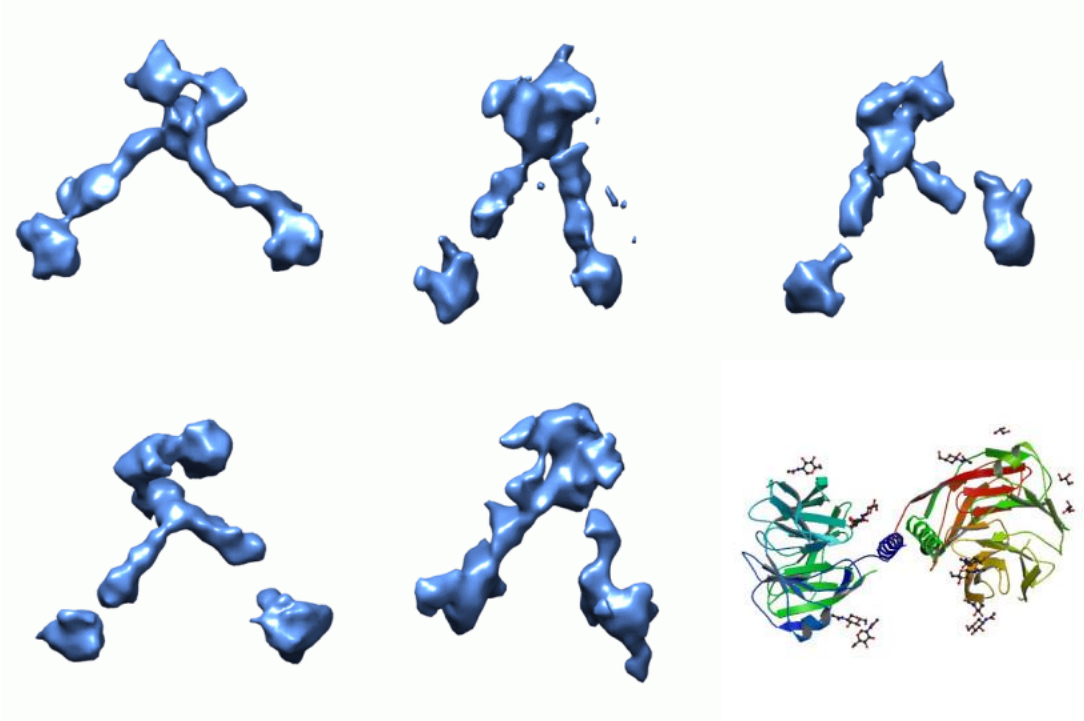
Electron microscopy density maps of IgM antibodies (green) interacting with the full C1 complex comprising C1q (blue), C1r (purple) and C1s (pink), which in turn is interacting with C4b (cyan). From left to right these are: hexameric IgM + C1 + 2xC4b; pentameric IgM + C1 + 2xC4b; pentameric IgM + C1 + 1xC4b. All solved in non-purified human sera on antigenic liposomes using sub-tomogram averaging. See structures EMD-4878, EMD-4945 and EMD-4943, and see this publication for more information.



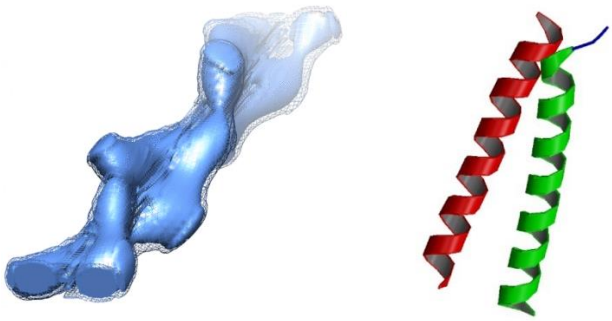
Electron microscopy density maps of part of the complement C1 complex interacting with a hexameric IgG1 mutant solved using single-particle analysis (grey), the partial C1 complex interacting with anti-DNP IgG1 on a lipid bilayer solved using sub-tomogram averaging (blue), and a model of the gC1q-Fc complex. See structures EMD-4232, EMD-4231 and PDB-6FCZ, and see this publication for more information.



Electron microscopy density map of the membrane attack complex in a lipid bilayer solved using sub-tomogram averaging. See this structure EMD-3289 and this publication for more information.



Individual structures of the olfactomedin-1 disulfide-linked tetramer extracted from a tomogram of negative stained proteins. See these structures EMD-2940, EMD-2941, EMD-2942, EMD-2943, EMD-2944, PDB-5AMO and this publication for more information.



Electron microscopy density map of a composite coiled-coil fibril comprising multiple self-assembling fibre peptides, solved using a combination of electron crystallography and helical reconstruction. See these structures EMD-1995, PDB-3RA3 and this publication for more information.