



Figure 20. Schematic (not to scale) and explanatory note taken from (Le Brun *et al.*, 2008). The Orla-18 OmpA Protein A derived fusion scaffold. The protein OmpAZ has a single cysteine residue in periplasmic turn four allowing the protein to bind in a specific orientation to the gold. The space between protein molecules is filled with thioPEG. The OmpAZ protein has two SpA Z domains that can bind IgG antibodies in their constant regions.