What is Claimed is:

1. An immunogenic polysaccharide-protein conjugate comprising a *Staphylococcus aureus* capsular polysaccharide conjugated to a carrier protein, wherein the polysaccharide has a molecular weight of between ~~70~~50 kDa and 800 kDa or between 70 kDa and 300 kDa.

2. The immunogenic conjugate of claim 1, wherein the immunogenic conjugate has a molecular weight of between 200 kDa and 5000 kDa or between 500 kDa and 2500 kDa.

3. The immunogenic polysaccharide-protein conjugate of claim 1 or 2, wherein the capsular polysaccharide is a serotype 5 or a serotype 8 capsular polysaccharide.

4. The immunogenic conjugate of any one of claims 1-3, wherein the polysaccharide has a degree of O-acetylation between 10-100%, between 50-100%, or between 75-100%.

5. The immunogenic conjugate of any one of claims 1-4, wherein the carrier protein is CRM_{197} or pneumolysin.

6. The immunogenic conjugate of claim 5, wherein the CRM197 is covalently linked to the polysaccharide through a carbamate linkage, an amide linkage, or both.

7. The immunogenic conjugate of claim 5 or 6, wherein the molar ratio of conjugated lysines to CRM197 is about 10:1 to about 25:1.

8. The immunogenic conjugate of claim 7, wherein at least one covalent linkage between CRM197 and polysaccharide occurs at least at every 5 to 10 saccharide repeat units of the polysaccharide or every 5 saccharide repeat units of the polysaccharide.

9. The immunogenic conjugate of any one of claims 5-8, wherein the CRM197 comprises 5 to 25, 5 to 20, or 10 to 25 lysines covalently linked to the polysaccharide.

10. An immunogenic composition comprising the immunogenic conjugate of any one of claims 1-9 and a pharmaceutically acceptable carrier.

11. An immunogenic composition comprising the immunogenic conjugate of any one of claims 1-9 and at least one component selected from the group consisting of an isolated *S. aureus*