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(71) Applicant: **ICOSAVAX, INC.** [US/US]; 1616 Eastlake
Avenue E, Suite 208, Seattle, Washington 98102 (US).

(72) Inventors; and

(71) Applicants: **SHEPARD, Scot R.** [US/US]; 9316 Lucille
Lane, Chapel Hill, North Carolina 27516 (US). **LIEN, Hans
R.** [US/US]; 1110 N Pinecrest Drive, Bozeman, Montana
59715 (US). **TAYLOR, Ross M.** [US/US]; 756 Broadway
East, Seattle, Washington 98102 (US).

(72) Inventor: **RICHARDSON, Charles**; c/o Icosavax, Inc.,
1616 Eastlake Avenue E, Suite 208, Seattle, Washington
98102 (US).

(74) Agent: **CHRISTIANSEN II, William T.** et al.; Cooley
LLP, 1299 Pennsylvania Avenue, NW, Suite 700, Washing-
ton, District of Columbia 20004-2400 (US).

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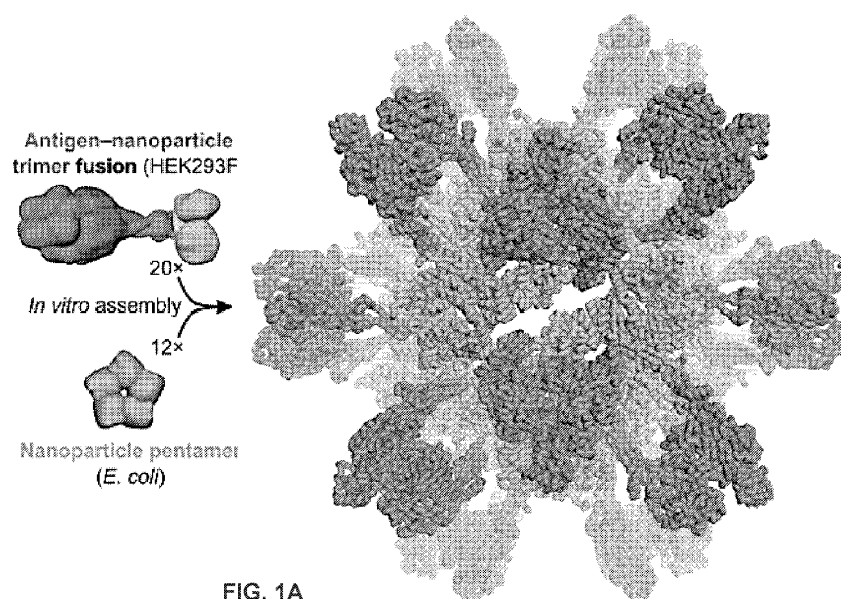


FIG. 1A

(57) **Abstract:** Disclosed are methods of a method of making a nanostructure, comprising adding a component A (compA) protein to a solution comprising a component B (compB) protein under conditions that minimize shear stress, thereby forming a compA:compB complex. Further disclosed are methods of making a nanostructure, comprising (i) providing a first inlet fluid stream comprising a first protein and a second inlet fluid stream comprising a second protein, and (ii) contacting the first inlet fluid stream and the second inlet fluid stream to form an outlet stream, wherein mixing of the first protein and the second protein occurs in the outlet stream, thereby forming a protein complex comprises the first protein and the second protein. A microfluidic mixer may be used. The methods may further comprise purifying the compA:compB complex from excess compA, excess compB, and/or other impurities by filtering the solution with a 1,000 kDa membrane or an equivalent thereof.

[Continued on next page]

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