Claims

1. A cyclized peptide consisting of a length of up to 26 amino acids and comprising FNFDWY, wherein the peptide is cyclized at the C and N termini.

2. A composition comprising a cyclized peptide consisting of a length of up to 26 amino acids and comprising FNFDWY, wherein the peptide is cyclized at the C and N termini.

~~3. A method of inhibiting adhesion of a single cell organism to a surface, the method comprising contacting the cell with a composition comprising a cyclized peptide consisting of a length of up to 26 amino acids and comprising FNFDWY, wherein the peptide is cyclized at the C and N termini.~~

~~4~~3. The composition of claim 2, wherein the composition is lyophilized.

~~5. The method of claim 3, further comprising said single cell organism in a biofilm.~~

~~6. The method of claim 3, wherein said single cell organism is selected from the group consisting of a bacteria, a fungus, a protozoa and an archaea.~~

~~7. The method of claim 6, wherein said fungus is a yeast.~~

~~8. The method of claim 3, wherein said surface is selected from the group consisting of a fabric, a fiber, a foam, a film, a concrete, a masonry, a glass, a metal and a plastic.~~

~~9. A method of treating water to inhibit or reduce biofilm formation or fouling of a filter, comprising treating the water with the peptide of claim 1 or the composition of claim 2.~~

~~10. A method of inhibiting or reducing biofilm formation in a fluid medium, comprising treating the fluid medium with the peptide of claim 1 or the composition of claim 2.~~

~~11. The method of claim 9, further comprising applying the treated water or fluid medium to a reverse osmosis filter.~~

~~12~~4. The peptide of claim 1, wherein the peptide is synthetic.

~~13~~5. The composition of claim 2, wherein the peptide is synthetic.

~~14. The method of claim 3, wherein the peptide is synthetic.~~

~~15. The method of claim 9, wherein the peptide is synthetic~~

~~16. The method of claim 10, wherein the peptide is synthetic.~~

~~17. The method of claim 3, wherein the composition is attached to the surface.~~

~~18. The method of claim 17, wherein the composition is attached to the surface as a monolayer or in multiple layers.~~

~~19. The method of claim 17, further comprising the surface in a medical device.~~

~~20. The method of claim 19, wherein the medical device is an extracorporeal device.~~

~~21. The method of claim 19, wherein the medical device is an intracorporeal device.~~

~~22. The method of claim 3, further comprising said surface in a medical device.~~

~~23. The method of claim 22, wherein the medical device is an extracorporeal device.~~

~~24. The method of claim 22, wherein the medical device is an intracorporeal device.~~