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As used herein, the terms "comprising" and "including" or grammatical variants thereof are to be taken as specifying the stated features, integers, steps or components but do not preclude the addition of one or more additional features, integers, steps, components or groups thereof. This term encompasses the terms "consisting of" and "consisting essentially of".

The phrase "consisting essentially of" or grammatical variants thereof when used herein are to be taken as specifying the stated features, integers, steps or components but do not preclude the addition of one or more additional features, integers, steps, components or groups thereof but only if the additional features, integers, steps, components or groups thereof do not materially alter the basic and novel characteristics of the claimed composition, device or method.

The term "method" refers to manners, means, techniques and procedures for accomplishing a given task including, but not limited to, those manners, means, techniques and procedures either known to, or readily developed from known manners, means, techniques and procedures by practitioners of the chemical, biological and biophysical arts.

As used herein the term "about" refers to ± 10 %.

Other features and advantages of the invention will be apparent from the following detailed description, and from the claims.

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BRIEF DESCRIPTION OF THE DRAWINGS

The invention is herein described, by way of example only, with reference to the accompanying drawings. With specific reference now to the drawings in detail, it is stressed that the particulars shown are by way of example and for purposes of illustrative discussion of the preferred embodiments of the present invention only, and are presented in the cause of providing what is believed to be the most useful and readily understood description of the principles and conceptual aspects of the invention. In this regard, no attempt is made to show

The present invention also provides any one of the embodiments disclosed below and indicated with the numbers 1 to 19.

1. A peptide having a sequence selected from the group consisting of FDYDWY, SFDYDWY, SFDYDWYN, HSFDYDWYN, HSFDYDWYNV, VHSFDYDWYNV, VHSFDYDWYNVS, SVHSFDYDWYNVS, SVHSFDYDWYNVSD, KSVHSFDYDWYNVSD, KSVHSFDYDWYNVSDQ, NKSVHSFDYDWYNVSDQ, NKSVHSFDYDWYNVSDQA, QNKSVHSFDYDWYNVSDQA, QNKSVHSFDYDWYNVSDQAD, SQNKSVHSFDYDWYNVSDQAD, SQNKSVHSFDYDWYNVSDQADL, FSQNKSVHSFDYDWYNVSDQADL, FSQNKSVHSFDYDWYNVSDQADLK, SFSQNKSVHSFDYDWYNVSDQADLK, SFSQNKSVHSFDYDWYNVSDQADLKN, CSFSQNKSVHSFDYDWYNVSDQADLKN, CSFSQNKSVHSFDYDWYNVSDQADLKNC, and FNFDWY or combinations thereof.

2. A composition comprising a peptide isolated from an animal source, said peptide comprising a sequence selected from the group consisting of FDYDWY, SFDYDWY, SFDYDWYN, HSFDYDWYN, HSFDYDWYNV, VHSFDYDWYNV, VHSFDYDWYNVS, SVHSFDYDWYNVS, SVHSFDYDWYNVSD, KSVHSFDYDWYNVSD, KSVHSFDYDWYNVSDQ, NKSVHSFDYDWYNVSDQ, NKSVHSFDYDWYNVSDQA, QNKSVHSFDYDWYNVSDQA, QNKSVHSFDYDWYNVSDQAD, SQNKSVHSFDYDWYNVSDQAD, SQNKSVHSFDYDWYNVSDQADL, FSQNKSVHSFDYDWYNVSDQADL, FSQNKSVHSFDYDWYNVSDQADLK, SFSQNKSVHSFDYDWYNVSDQADLK, SFSQNKSVHSFDYDWYNVSDQADLKN, CSFSQNKSVHSFDYDWYNVSDQADLKN, CSFSQNKSVHSFDYDWYNVSDQADLKNC, and FNFDWY, or a combination thereof.

3. A method of preventing adhesion of a single cell organism to a surface, the method comprising contacting the cell with a composition comprising a peptide isolated from an animal source, said peptide comprising a sequence selected from the

group consisting FDYDWY, SFSQNKSVHSFDYDWYNVSDQADLKN or CSFSQNKSVHSFDYDWYNVSDQADLKNC.

4. The peptide, composition or method of any of claims 1 to 3, wherein said peptide is devoid of cytotoxic or cytostatic activity.

5. The peptide, composition or method of any of claims 1 to 4, wherein said peptide is resistant to lyophilization.

6. The peptide, composition, or method of any of claims 1 to 5 wherein said peptide is further capable of inhibiting aggregation of cells.

7. The method of claim 3, wherein said single cell organism is comprised in a biofilm.

8. 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.

9. The method of claim 8, wherein said fungus comprises a yeast.

10. 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.

11. The method of claim 3, wherein said animal is a vertebrate.

12. The method of claim 11, wherein said animal is selected from the group consisting of a fish, an amphibian, a bird, a reptile and a mammal.

13. The method of claim 12, wherein said mammal is a human.

14. A medical device comprising the peptide or composition of any of claims 1 or 2 attached thereto.

15. The medical device of claim 14, wherein the medical device is an intracorporeal device.

16. The medical device of claim 15, wherein the medical device is an extracorporeal device.

17. A method of treating water to prevent or reduce biofilm formation or fouling of a filter, comprising treating the water with any of the peptides, or compositions herein.

18. A method of preventing or reducing biofilm formation in a fluid medium, comprising treating the fluid medium with any of the peptides, or compositions herein.

19. The method of either claims 17 or 18, wherein said treated water or fluid medium is applied to a reverse osmosis filter.

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