CLAIMS:

1. A composition comprising an active agent from a fish, wherein said composition prevents or reduces adhesion of an organism to a surface, said composition being devoid of cytotoxic or cytostatic activity.

2. The composition of claim 1, wherein said active agent comprises a homogenate of said fish or an isolated extract derived from said fish.

3. The composition of claim 2, wherein said isolated extract comprises a crude extract or a polar extract.

4. The composition of claim 3, wherein a polar solvent of said polar extract comprises acetonitrile.

5. The composition of claim 1, wherein the activity of said active agent is preserved following lyophilization.

6. The composition of claim 1, wherein said fish is selected from the group consisting of eel and catfish.

7. The composition of claim 1, wherein said organism is a single cell organism.

8. The composition of claim 7, being further capable of inhibiting aggregation of said single cell organisms.

9. The composition of claim 7, wherein said cell organism is comprised in a biofilm.

10. The composition of matter of claim 7, wherein said single cell organism is selected from the group consisting of a bacterium, a fungus, a protozoan and an archaea.

11. The composition of claim 10, wherein said fungus-comprises a yeast.

12. The composition of claim 1, 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.

13. The composition of claim 1, wherein said surface comprises a biological tissue.

14. The composition of claim 13, wherein said biological tissue comprises a mammalian tissue.

15. The composition of claim 14, wherein said mammalian tissue comprises a skin.

16. The composition of claim 1, wherein a formulation of the composition of matter is selected from the group consisting of a spray, a gel, a paint and a cream.

17. A method of preventing adhesion of an organism to a surface, the method comprising contacting the organism with a composition comprising an active agent from a fish capable of preventing adhesion of the organism to the surface, wherein said active agent is devoid of cytotoxic or cytostatic activity..

18. The method of claim 17, wherein said active agent comprises a crude extract or a polar extract of said fish.

19. The method of claim 17, wherein the preventing adhesion of the organism is effected in vitro, ex vivo, or in vivo.

20. The method of any of claims 17 to 19, wherein said organism is a single cell organism.

21. The method of claim 20, wherein said single cell organism is comprised in a biofilm.

22. The method of claim 21, wherein said single cell organism is selected from the group consisting of a bacterium, a fungus, a protozoan and an archaea.

23. The method of claim 22, wherein said fungus comprises a yeast.

24. The method of claim 17, 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.

25. The method of claim 17, wherein said surface is a tissue.

26. The method of claim 25, wherein said tissue comprises a mammalian tissue.

27. The method of claim 26, wherein said mammalian tissue comprises a skin.

28. A pharmaceutical composition comprising a pharmaceutically acceptable carrier or diluent and an active agent from a fish, being capable of preventing adhesion of an organism to a surface, wherein the composition is devoid of cytotoxic or cytostatic activity.

29. The pharmaceutical composition of claim 28, wherein a formulation of the composition is selected from the group consisting of a spray, a cream and a gel.

30. Use of a pharmaceutical composition according to claim 28 for the preparation of a medicament for preventing or treating a pathogen infection in a subject in need thereof, wherein the medicament is for administering to the subject a therapeutically effective amount of the pharmaceutical composition.

31. Use according to claim 30, wherein the treating is effected in vivo or ex vivo.

32. Use according to claim 30, wherein a pathogenic organism of the pathogen infection is capable of growing in or on a biofilm.

33. Use according to claim 30, wherein the pathogen infection comprises a bacterial infection.

34. Use according to claim 33, wherein said bacterial infection comprises gram positive bacteria.

35. Use according to claim 34, wherein said gram positive bacteria is Staphylococcus aureus.

36. Use according to claim 33, wherein said bacterial infection comprises gram negative bacteria.

37. Use according to claim 36, wherein said gram negative bacteria is selected from the group consisting of Acinetobacter baumannii, Pseudomonas aeruginosa and Escherichia coli.

38. Use according to claim 30, wherein a pathogenic organism of the pathogen infection is antibiotic resistant.

39. Use according to claim 30, wherein the pathogen infection is selected from the group consisting of a fungal infection, a protozoa infection, a bacterial infection and an archaea infection.

40. A medical device comprising the composition of any of claims 1 to 16.

41. The medical device of claim 40, wherein the medical device comprises an intracorporeal device or an extracorporeal device.

42. The medical device of claim 40, wherein said composition is coated on a surface of the device.

43. The medical device of claim 40, wherein said composition is incorporated into a polymeric matrix of the medical device.

44. Use of the compositions of any of claims 1 to 16, to prevent cell adherence to an implantable medical device.

45. Use of the compositions of any of claims 1 to 16, to prevent cell adherence to a medical instrument.

46. A method of preventing or reducing biofilm formation or fouling of an underwater surface, the method comprising treating the water with the composition of any of claims 1 to 16.

47. A method of preventing or reducing biofilm formation or fouling of an underwater surface, the method comprising coating said surface with the composition of any of claims 1 to 16.

48. The pharmaceutical composition of claim 28, wherein the fish is selected from the group consisting of an eel and catfish.

49. The pharmaceutical composition of claim 28, wherein the isolated extract is surface mucous.