~~WHAT IS CLAIMED IS~~:

1. A composition comprising an active agent from a fish, wherein the active agent comprises at least one polypeptide, and wherein said composition prevents or reduces adhesion of ~~an~~ a single cell organism to a surface, said composition being devoid of bacteriocidic or bacteriostatic activity.

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

3. The composition of claim 2, wherein said isolated extract comprises surface mucous.

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

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

~~6. The composition of claim 1, comprising at least one polypeptide.~~

~~7~~6. The composition of claim 1, further comprising at least one polysaccharide.

~~8~~7. The composition of claim 1, wherein the activity of said active agent is preserved following lyophilization.

~~9~~8. The composition of claim 1, wherein said fish is selected from the group consisting of eel and catfish.

~~10. The composition of claim 1, wherein said organism is a single cell organism.~~

~~11~~9. The composition of claim ~~10~~ 1, being further capable of inhibiting aggregation of said single cell organisms.

~~12~~10. The composition of claim ~~10~~ 1, wherein said cell organism is comprised in a biofilm.

~~13~~11. The composition of matter of claim ~~10~~ 1, wherein said single cell organism is selected from the group consisting of a bacterium, a fungus, a protozoan and an archaea.

~~14~~12. The composition of claim ~~13~~ 11, wherein said fungus comprises a yeast.

~~15~~13. 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.

~~16~~14. The composition of claim 1, wherein said surface comprises a biological tissue.

~~17~~15. The composition of claim ~~16~~ 14, wherein said biological tissue comprises a mammalian tissue.

~~18~~16. The composition of claim ~~17~~ 15, wherein said mammalian tissue comprises a skin.

~~19~~17. 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.

~~20~~18. A method of preventing adhesion of ~~an~~ a single cell organism to a surface, the method comprising contacting the organism with a composition comprising an active agent from a fish, wherein the active agent comprises at least one polypeptide, and wherein the composition is capable of preventing adhesion of the organism to the surface, said composition being devoid of bacteriocidic or bacteriostatic activity.

~~21~~19. The method of claim ~~20~~ 18, wherein said active agent comprises an isolated extract of said a homogenate of said fish or a substantially whole fish.

~~22~~20. The method of claim ~~21~~ 19, wherein said isolated extract comprises surface mucous.

~~23~~21. The method of claim ~~21~~ 19, wherein said isolated extract comprises a polar extract or a crude extract.

~~24. The method of claim 23, wherein said polar extract comprises at least one isolated polypeptide.~~

~~25~~22. The method of claim ~~22~~ 20, wherein isolated extract comprises at least one isolated polysaccharide.

~~26~~23. The method of claim ~~20~~ 18, wherein the preventing adhesion of the organism is effected in vitro~~,~~ or ex vivo~~, or in vivo~~.

~~27. The method of any one of claims 20 to 26, wherein said organism is a single cell organism.~~

~~28~~24. The method of claim ~~27~~18, wherein said single cell organism is comprised in a biofilm.

~~29~~25. The method of claim ~~27~~18, wherein said single cell organism is selected from the group consisting of a bacterium, a fungus, a protozoan and an archaea.

~~30~~26. The method of claim ~~29~~ 25, wherein said fungus comprises a yeast.

~~31~~27. The method of claim ~~20~~ 18, 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.

~~32~~ 28. The method of claim ~~20~~ 18, wherein said surface is a tissue.

~~33~~29. The method of claim ~~32~~ 28, wherein said tissue comprises a mammalian tissue.

~~34~~30. The method of claim ~~33~~ 29, wherein said mammalian tissue comprises a skin.

~~35~~31. A pharmaceutical composition comprising a pharmaceutically acceptable carrier or diluent and an active agent from a fish, wherein the active agent comprises at least one polypeptide and wherein the composition is being capable of preventing adhesion of ~~an~~ a single

cell organism to a surface, said composition being devoid of bacteriocidic or bacteriostatic activity, wherein the active agent is selected from the group consisting of an isolated extract or a homogenate of the fish.

~~36~~32. The pharmaceutical composition of claim ~~35~~31, wherein a formulation of the composition is selected from the group consisting of a spray, a cream and a gel.

~~37~~33. The pharmaceutical composition according to claim ~~35~~31 or ~~36~~ 32, for use in preventing or treating a pathogen infection.

~~38~~34. Use of a pharmaceutical composition according to claim ~~35~~31 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 in a therapeutically effective amount.

~~39~~35. Use according to claim ~~38~~ 34, wherein the treating is effected in vivo or ex vivo.

~~40~~36. Use according to claim ~~38~~ 34, wherein a pathogenic organism of the pathogen infection is capable of growing in or on a biofilm.

~~41~~37. Use according to ~~38~~ 34, wherein the pathogen infection comprises a bacterial infection.

~~42~~38. Use according to claim ~~41~~ 37, wherein said bacterial infection comprises gram positive bacteria.

~~43~~ 39. Use according to claim ~~42~~ 38, wherein said gram positive bacteria is *Staphylococcus aureus.*

~~44~~ 40. Use according to claim ~~41~~ 37, wherein said bacterial infection comprises gram negative bacteria.

~~45~~41. Use according to claim ~~44~~ 40, wherein said gram negative bacteria is selected from the group consisting of *Acinetobacter baumannii, Pseudomonas aeruginosa* and *Escherichia coli.*

~~46~~42. Use according to claim ~~38~~ 34, wherein a pathogenic organism of the pathogen infection is antibiotic resistant.

~~47~~43. Use according to claim ~~38~~ 34, wherein the pathogen infection is selected from the group consisting of a fungal infection, a protozoa infection, a bacterial infection and an archaea infection.

~~48~~44. A medical device comprising the composition of any one of claims 1-6, 9 and 10-19.

~~49~~45. The medical device of claim ~~48~~ 44, wherein the medical device is an intracorporeal device or extracorporeal device.

~~50~~46. The medical device of claim ~~48~~ 44, wherein said composition is coated on a surface of the device or incorporated into a polymeric matrix of the medical device.

~~51~~47. Use of the compositions of any one of claims 1-6, 9 and 10-19, to prevent cell adherence to an implantable medical device.

~~52~~48. Use of the compositions of any one of claims 1-6, 9 and 10-19, to prevent cell adherence to a medical instrument.

~~53~~49. 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 one of claims 1-6, 9 and 10-19.

~~54~~50. 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 one of claims 1-6, 9 and 10-19.

~~55~~ 51. The pharmaceutical composition of claim ~~35~~ 31, wherein the fish is selected from the group consisting of an eel and catfish.

~~56~~52. The pharmaceutical composition of claim ~~55~~ 51, wherein the isolated extract is surface mucous.