CLAIMS

1. Cosmetic use of at least one short chain fatty acid comprising from 3 to 8 carbon atoms, salts thereof, esters thereof and mixtures thereof, for preventing and/or treating ~~dry skin and/or aged skin, in particular~~ hyposeborrheic dry skin and/or hyposeborrheic aged skin.

2. Cosmetic use according to claim 1, wherein the said short chain fatty acid is comprised in a cosmetic composition.

3. Cosmetic use according to any one of preceding claims, wherein the said short chain fatty acid comprises a straight and saturated aliphatic chain containing 3 to 5 carbon atoms.

4. Cosmetic use according to claim 1 or 2, wherein the said short chain fatty acid is chosen from propionic acid, butyric acid, valeric acid, salts thereof, esters thereof and mixtures thereof.

5. Cosmetic use according to anyone of preceding claims, wherein the said short chain fatty acid is obtained from at least one microorganism of the species *Propionibacterium acnes,* preferably from at least one microorganism of the strain *Propionibacterium acnes* ATCC 6919.

6. Cosmetic use according to anyone of preceding claims, wherein the said short chain fatty acid is used in an amount representing from 0,01% to 5% by weight relative to the total weight of the composition, preferably in an amount representing from 0,025% to 0,15% by weight relative to the total weight of the composition.

7. Cosmetic use of a conditioned culture medium obtained from at least one microorganism of the species *Propionibacterium acnes*, the said culture medium comprising at least one short chain fatty acid as defined in anyone of claims 1 to 6 for preventing and/or treating ~~dry skin and/or aged skin, in particular~~ hyposeborrheic dry skin and/or hyposeborrheic aged skin.

8. Cosmetic use according to claim 7, wherein the said conditioned culture medium is obtained by the process comprising the following steps:
    i) culturing at least one microorganism of the species *Propionibacterium acnes* such as *Propionibacterium acnes* ATCC 6919;

ii) separating, in particular by centrifugation, the culture supernatant from the biomass;
iii) recovering the culture supernatant; and
iv) optionally stabilizing the culture supernatant for instance by filtration.

9. Cosmetic use of a short chain fatty acid as defined in anyone of claims 1 to 6 or a conditioned culture medium as defined in anyone of claims 7 or 8, wherein the said short chain fatty acid or the said conditioned culture medium are used in combination with at least one long chain fatty acid comprising at least 10 carbon atoms, non-glyceryl esters thereof, and mixtures thereof.

10. Cosmetic use according to anyone of preceding claims, wherein dry skin is characterized by presenting a feeling of discomforts such as tautness and/or tension, rough to the touch and/or squames.

11. Cosmetic method for preventing and/or treating ~~dry skin and/or aged skin, in particular~~ hyposeborrheic dry skin and/or hyposeborrheic aged skin, comprising the application of a cosmetic composition on the skin, wherein the said composition comprises at least one short chain fatty acid as defined in anyone of claims 1 to 6, 9 to 10.

12. Cosmetic method for preventing and/or treating ~~dry skin and/or aged skin, in particular~~ hyposeborrheic dry skin and/or hyposeborrheic aged skin, comprising the application of a cosmetic composition on the skin, wherein the said composition comprises a conditioned culture medium as defined in anyone of claims 7 or 8, 9 to 10.