



June 25, 2019

## Received the “Young Scientist Support Scheme” at the 14th Asian Societies of Cosmetic Scientists (ASCS) Conference in Hong Kong ~ Discovery of Bacteria (Aging Bacteria™) that Promote Aging of Scalp and Hair ~

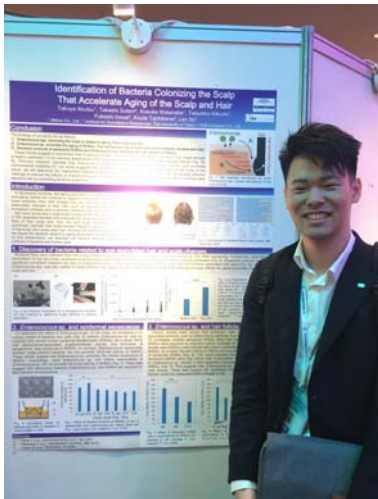
The Milbon Co., Ltd. (President and CEO: Ryuji Sato) received the “Young Scientist Support Scheme” at the Asian Societies of Cosmetic Scientists Hong Kong Conference 2019 (ASCS\* Conference 2019), held in Hong Kong between 3<sup>rd</sup> and 5<sup>th</sup> of June 2019.

The ASCS Conference was established in order to deepen the relations between cosmetic scientists in Asia, promoting further technological advancement and the development of the cosmetics industry.

### [Young Researcher Division “Young Scientist Support Scheme”]

Release Title: Identification of Bacteria Colonizing in the Scalp that Accelerate Aging of the Scalp and Hair

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(Researcher Akutsu, recipient of the Young Scientist Support Scheme)

### [Overview of Research]

With the increasing numbers of elderly in advanced nations, the demand for aging care products is also increasing year-on-year. As a part of the changes that occur in hair due to aging, East-Asian women with their thick, straight hair suffer from such issues as reduction in bounce and occurrence of curliness and roughness as they grow older. Milbon has already conducted large scale survey on the scalps and hair of more than 3000 Japanese women. From this, we have discovered that the condition of the scalp has an effect on the aging of hair. However, the basic reason for these changes in hair and scalp due to aging was still yet to be uncovered.

Amid these circumstances, and with the cooperation of TAK-Circulator Co., Ltd. (reference <https://www.tak-circ.com/>), bacterial flora found in the scalp were analyzed. As a result, a bacterium (“aging bacteria™) that promotes the aging of the scalp and hair has been discovered.

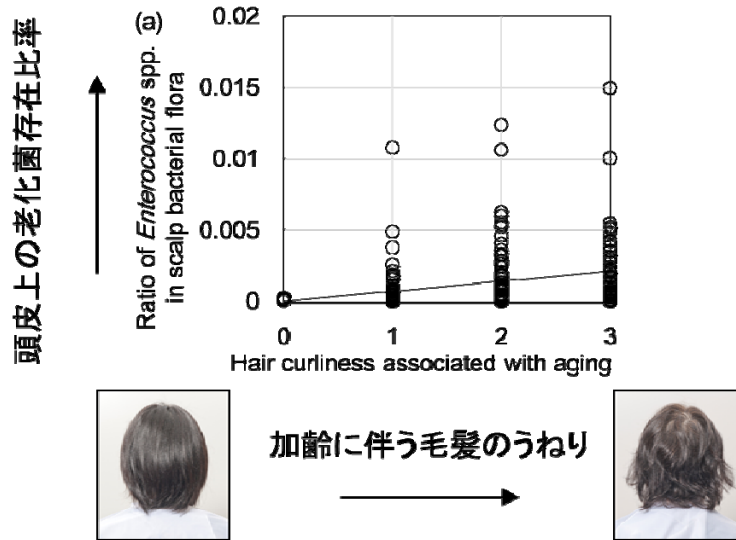


Fig: Relationship Between Scalp Aging Bacteria and Hair Curliness Associated with Aging

If effective method to prevent effects of aging bacteria, it could provide a new approach to the phenomena of scalp and hair aging. In the future, the control of scalp bacterial groups could allow the elderly to maintain beautiful long hair forever.

[Terminology]

\* Asian Societies of Cosmetic Scientists (ASCS) (reference: <https://www.sccj-ifsc.com/about/ascs>)

An organization formed of an alliance of cosmetic societies from 13 nations and regions across Asia, Oceania, and the Middle East. An international conference has been held bi-annually (odd years in the Western calendar) since the first ASCS Conference held in 1993. There, the cosmetic scientists from each of the member nations meet, announce the results of their latest research, and engage in debate. The Young Scientist Support Scheme is awarded to a presentation of note by an individual under the age of 40.

■ For inquiries relating to this press release

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