

December 17, 2020

Milbon Receives the Hiroshi Itagaki Student Encouragement Award at the 33rd Annual Meeting of the Japanese Society for Alternatives to Animal Experiments, in Collaboration with Kansai University

Milbon Co., Ltd. (President and CEO: Ryuji Sato) has received the Hiroshi Itagaki Student Encouragement Award in collaboration with Professor Hideki Yamamoto of Kansai University at the 33rd Annual Meeting of the Japanese Society for Alternatives to Animal Experiments, held from November 12 to 13, 2020.

The Japanese Society for Alternatives to Animal Experiments promotes the international principles of the 3Rs—Replacement (use of alternatives to animal testing), Reduction (minimizing the number of animals used), and Refinement (reducing the pain and suffering of animals). The society is dedicated to advancing research, development, education, and studies in this field.

At Milbon, we remain committed to furthering research in alternative methods to animal testing, with the goal of developing products that prioritize safety without the need for animal experimentation.

[Hiroshi Itagaki Student Encouragement Award]

Title of presentation: Preliminary studies new safety test method using Hansen solubility parameter

Presenters: Shuhei Watanabe*¹, Takumi Fujii*¹, Len Ito*^{1, 2}, Nobuyuki Fujiwara*², Hideki Yamamoto*¹

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[Research Overview]

Animal welfare concerns have sparked global movements against animal testing. The EU countries completely banned animal testing for cosmetics and their ingredients, as well as the sale of products tested on animals. Against the backdrop of the United Nations' adoption of the Sustainable Development Goals (SDGs) in 2015, avoiding animal testing in cosmetics development has become a global movement.

In pursuit of higher safety standards without animal testing, Milbon has been advancing safety research in collaboration with Professor Hideki Yamamoto from Kansai University's Faculty of Environmental and Urban Engineering. This partnership promotes predictive research through computational models based on the Hansen Solubility Parameter (HSP) method¹.

This research focuses on developing alternative methods to animal testing for eye irritation studies using the HSP method. As this method is both an alternative to animal testing and a predictive computational tool, it represents the first step in our innovative safety research, which is designed to be more sustainable for animals, humans, and the planet.

Going forward, Milbon will continue collaborating with Professor Yamamoto to further develop alternative methods to animal testing using the HSP method, as well as pursue other innovative research initiatives.

Notes:

(1) Hansen Solubility Parameters: A method of evaluating substances based on the principle that substances with similar properties dissolve into each other, while those with different properties do not mix easily.

■ For inquiries relating to this news release:

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