

## Grant Theme Decided for 15th Mandom International Research Grants on Alternatives to Animal Experiments

Mandom Corporation (head office: Osaka City, President Executive Officer & Director: Ken Nishimura, hereinafter referred to as “Mandom”) is working to develop alternatives to animal experiments based on the concept of animal welfare. As part of this research effort, the company has been holding its Mandom International Research Grants on Alternatives to Animal Experiments with full cooperation from The Japanese Society for Alternatives to Animal Experiments since FY2007. This will be the 15th time the event is held. After rigorous examination, it has been decided that grants will be issued regarding three research themes.

### Grant Themes

When applications for the 15th Mandom International Research Grants on Alternatives to Animal Experiments first started back on August 23, 2021, the deadline for applications was set to February 14, 2022. After careful examination, Mandom has decided that this year’s research grants will be given under the following three themes.

Research grant providers (affiliation) without honorific titles	Research theme
Yayoi Kamata (Juntendo University Graduate School of Medicine)	Development of human three-dimensional culture models for atopic dermatitis with hiPSC-derived sensory neurons:application to the development of new antipruritic drugs
Yuji Nashimoto (Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University)	Evaluation of the effects of tumor microenvironment on metastasis using a microphysiological system
Yuji Komizu (Department of Applied Life Science, Faculty of Biotechnology and Life Science, Sojo University)	Expression of Drug Resistance of Human Pancreatic Cancer Cells by Three-Dimensional Culture

Research grants for the themes listed above are being given from April 2022.

Considerations are currently underway regarding the 16th Mandom International Research Grants on Alternatives to Animal Experiments. Mandom will issue another press release once details have been decided.



\*For reference

### **[About the Mandom International Research Grants on Alternatives to Animal Experiments]**

The Mandom International Research Grants on Alternatives to Animal Experiments has been held since FY2007 with the aim of promoting and widely recommending research in alternatives to animal testing and encouraging more active research in alternative fields.

During the 15th Mandom International Research Grants on Alternatives to Animal Experiments, Mandom collected research themes from around the world, mainly Asia, regarding alternatives to animal testing. The conditions were as follows:

#### **· Requirements for entering the 15th Mandom International Research Grants on Alternatives to Animal Experiments**

1) Theme	Research regarding alternatives to animal testing (any field of study)	
2) Grant Amount	500,000 - 2M yen per grant, total of 3M yen/year	
3) Schedule	Aug. 23, 2021	Applications begin
	Jan. 31, 2022	Application deadline
	Mid Feb. 2022	Selection begins
	Early Apr. 2022	Grant theme is decided
	Until Mar. 31, 2023	Grant period (1 year)

### **[Mandom's Stance on Developing Alternatives to Animal Testing]**

In the wake of the EU ban on animal testing for cosmetics issued in March 2013, the global effort to develop alternatives to animal experiments has sped up. The developed replacements are now coming on stream as new methods of safety evaluation.

In Japan, the principles of the 3Rs to promote animal welfare are guiding the way in developing these methods. The 3Rs are namely: Replacement (Using other methods that do not involve animals); Reduction (Decreasing the amount of use of animals); and Refinement (Lessening the suffering caused to animals). Discussion and development are ongoing on testing methods that bring greater precision in predicting and evaluating products and their effectiveness.

At Mandom, our policy is not to use any animal testing. The safety of cosmetics products we manufacture and market are assured through the use of replacement methods as well as of testing on human subjects (including patch test and skin test). We are highly aware that the development of alternatives to animal experiments focusing on greater experiment precision is an essential part of further raising safety standards, and we have been awarding international research grants on alternatives to animal experiments in addition to our current drive to promote the development of replacement methods to animal testing.

We make every effort when it comes to securing the safety of the cosmetics products we manufacture and market, which is something we promote as an initiative for one of the material issues (materiality) within our sustainability strategy, namely "maintaining/enhancing the corporate base." Our everlasting mission is expanding and strengthening our Dedication to Service, and we will continue our efforts as a company that recognizes the value of its existence from all stakeholders.