



March 1, 2021  
Mandom Corporation  
Kitasato University

**Kitasato University & Mandom Open the First  
“Laboratory of Skin Science (Mandom)”  
as a Cosmetic Field in the University’s School of Pharmacy  
- Aiming to develop new highly functional skin care products -**

Kitasato University (Head Office: Minato-ku, Tokyo; President: Kyoko Shimabukuro) and Mandom Corporation (Head Office: Osaka City; President Executive Officer & Director: Motonobu Nishimura; hereinafter referred to as “Mandom”) formed a contract on December 25, 2020 regarding the opening of the “Laboratory of Skin Science (Mandom),” the first endowed course<sup>\*1</sup> as a cosmetic field in the Kitasato University School of Pharmacy. From April 2021, both Kitasato University and Mandom will jointly engage in pharmaceutical research and applied research on technology that effectively delivers drugs inside the skin in an aim to strengthen the program’s open innovation function as a research hub in the Tokyo metropolitan area and apply it to highly functional skin care products.

### **1. Background Information on this Program’s Establishment**

Mandom is working to underpin the field of skin care, and so the company is generating various results such as new knowledge about human sweat glands and sebaceous glands born from stem cell research, as well as the development of unique highly functional ingredients. In order to deepen these results and accelerate initiatives in the field of skin care, Mandom has been working to create a technology development system that utilizes open innovation.

By collaborating with the Kitasato University School of Pharmacy, whose forte lies in drug delivery technology and clinical research, Mandom aims to not only improve the skin’s regenerative and immune functions, but also develop skin care technologies and products that achieve a balance of functionality, safety and security.

In addition, the two entities will work to develop human resources through joint research, with Kitasato University working under its philosophy of “With profound respect for the sanctity of life, our purpose is to contribute to society by dedicating ourselves to the quest for truth through the application of practical science,” and Mandom working under its corporate philosophy which is centered around the concept of being a “human-oriented company” which respects human sensitivity and creativity. By being open and deepening open-minded technical exchanges, Kitasato University and Mandom will aim to become organizations that foster personnel who possess both excellent technological prowess and a sense of ethics, such as contributing to society through new technological innovations and realizing sustainable social systems.

By promoting collaborations between industry and academia which accelerate open innovation, and by working to further enhance skin science technology using information on the latest technology and through collaborations with personnel and the pharmaceutical industry, Mandom and Kitasato University are striving to create a technical system that can approach new social issues that cannot be solved alone (such as improving healthy life expectancies and providing care for social stress).

### **2. Research Content in this Program**

There are still many unclear points regarding the aging and regenerative mechanisms of the skin that have yet to be clarified. The research conducted in this program aims to establish three types of technology, namely technology tailored to skin problems, new drug delivery technology that efficiently delivers active ingredients to the target site (epidermis, dermis, sweat glands, sebaceous glands, hair cells, etc.), and non-invasive skin evaluation technology<sup>\*2</sup> that realizes these technologies.

Furthermore, Mandom will apply these technologies to develop new highly functional skin care products that respond to each consumer's skin problems. In addition to this, Mandom will strive to collaborate with various partners to conduct research in a manner that adheres to the company's concept of "Dedication to Service (Oyakudachi)" so that cosmetics can help respond to future issues, such as addressing motivation for living, health and stress—areas that are important for solving new social issues.

### **3. Overview of Program**

Location of Establishment	:	Shirokane Campus, Kitasato University School of Pharmacy
Name of Program	:	Kitasato University School of Pharmacy Endowed Course "Laboratory of Skin Science (Mandom)"
Research Objective	:	To develop highly functional skin care products that make use of drug delivery technology
Contact Information Regarding Program	:	Shu Sakuyama, Specially Appointed Professor (Director of Mandom's Laboratory of Skin Science (Mandom))

\*1 A course that is established to cover necessary administrative expenses using donations from individuals, corporations or organizations. In this course, university faculty members, researchers from investing companies, as well as other related parties, conduct joint research on social issues in order to advance and enhance education and research.

\*2 Technology that conducts evaluations without damaging the skin, unlike blood collection, skin collection, etc.

For inquiries regarding this news release

[Inquiries regarding research]

Kitasato University School of Pharmacy (General Affairs Office, Clerk's Office, Shirokane Campus)

TEL:03-3444-6191 FAX: 03-5791-6386

e-mail: yakusoumu@pharm.kitasato-u.ac.jp

In charge of Skin Science Development Institute, Technology Strategy Div, Mandom Corporation

Shu Sakuyama, Director (specially appointed professor, Laboratory of Skin Science (Mandom))

TEL:06-6767-5054 FAX: 06-6767-5042

[Press-related matters]

The Kitasato Institute Public Relations Division, General Affairs Department

TEL: 03-5791-6422

e-mail: kohoh@kitasato-u.ac.jp

Public Relations Division, Mandom Corporation,  
Osaka Head Office: Okuda/Kuriyama/Miyu Sato

TEL:06-6767-5021 FAX: 06-6767-5045

e-mail: press@mandom.com