

November 1, 2024

Interdisciplinary Platform for Advanced Health Sensing (Endowed Research Division) Established by Frontier Research Institute for Interdisciplinary Sciences, Tohoku University through Contribution from Milbon

Milbon Co., Ltd. (head office Chuo-ku, Tokyo; President and CEO: Hidenori Sakashita), a manufacturer of salon-exclusive haircare products and cosmetics, announces that the Interdisciplinary Platform for Advanced Health Sensing (Endowed Research Division) has been established today at Frontier Research Institute for Interdisciplinary Sciences, Tohoku University, through a contribution by Milbon.

This division, led by Associate Professor Masaki Okumura from the Creative Interdisciplinary Research Division, brings together researchers from six different fields: protein science, physical organic chemistry, health sensing, mass spectrometry, structural biology, and cosmetic science. The division aims to conduct interdisciplinary research that contributes to the development of cosmetics and quasi-drugs. By integrating knowledge from each field, the division expects to develop advanced health sensing techniques for biological systems and gain new insights. Specifically, the research will encompass areas such as proteomics and drug molecular design, contributing to advances in the medical and drug discovery fields, with the goal of exploring new approaches beyond traditional cosmetic research.

With the establishment of this division a new interdisciplinary platform will be built to accelerate the development of new cosmetics and aim for social implementation, from basic research to product development.

Tohoku University, aiming to become a leading research university in Japan and on par with global standards, and Milbon, a pioneer in innovative hair and skin research in the beauty care market, will collaborate to drive new innovations.







[Aims and Research System of Interdisciplinary Platform for Advanced Health Sensing (Endowed Research Division)]

Combining advanced health sensing aimed at discovering seeds that will contribute to the development of cosmetics and quasi-drugs



Development of cosmetics through promotion of interdisciplinary research ([Milbon](#))

Promotion of Research by Interdisciplinary Collaboration

Protein science	Physical organic chemistry	Bioelectronics	Mass spectrometry	Structural biology	Cosmetic science
<p>Associate Professor Masaki Okumura Frontier Research Institute for Interdisciplinary Sciences, Tohoku University</p>  <ul style="list-style-type: none"> · Biochemistry · Cell biology · Structural biology 	<p>Assistant Professor Hiroshi Ueno Frontier Research Institute for Interdisciplinary Sciences, Tohoku University</p>  <ul style="list-style-type: none"> · Nanomaterials science · Physical chemistry · Device science 	<p>Associate Professor Hiroya Abe Frontier Research Institute for Interdisciplinary Sciences, Tohoku University</p>  <ul style="list-style-type: none"> · Biosensors · Micro/nano electrochemical devices 	<p>Associate Professor Shinichi Sato Frontier Research Institute for Interdisciplinary Sciences, Tohoku University</p>  <ul style="list-style-type: none"> · Proteomics · Protein chemical modification 	<p>Assistant Professor Takeshi Yokoyama Graduate School of Life Sciences, Tohoku University</p>  <ul style="list-style-type: none"> · Protein synthesis · Cyro-electron microscopy 	<p>Specially Appointed Associate Professor Ren Ito Frontier Research Institute for Interdisciplinary Sciences, Tohoku University (Milbon)</p>  <ul style="list-style-type: none"> · Hair science · Dermatology · Synchrotron radiation studies

▪Frontier Research Institute for Interdisciplinary Sciences, Tohoku University

The objective of the Frontier Research Institute for Interdisciplinary Sciences, Tohoku University, is to create new knowledge and value and contribute to the enrichment of human society by supporting the work of young researchers through collaboration with each graduate school and research institute, as well as Division for Interdisciplinary Advanced Research and Education in Tohoku University. It aims to pioneer and promote interdisciplinary research by collaboration in various fields. Established in April 2013, the Institute has three missions: promoting advanced interdisciplinary research, fostering young researchers (FRIS Shoshi Program), and discovering novel interdisciplinary research within the university, and it is implementing various initiatives.

▪Milbon Co., Ltd.

Milbon Co., Ltd. is a cosmetics manufacturer producing and selling salon-exclusive products for hair care, hair coloring, skin care, and more. On top of supporting the success of salons through the education of beauty professionals and fostering effective problem solving, we aid each customer to live beautifully with our reliable products.

■ For inquiries relating to this news release:

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