



April 1, 2023

Toagosei Co., Ltd.

Toagosei Co., Ltd. Announces the Establishment of a Social Cooperation Research Program on Signal Peptidome Research in the Graduate School of Agricultural and Life Sciences, The University of Tokyo to Conduct Joint Research

Toagosei Co., Ltd. conducts multifaceted research to strengthen and deepen our medical business including the development of the NUCLEOLARON® cell penetrating peptide. As part of this work, we are pleased to announce we have established the Signal Peptidome Research social cooperation research program in the Graduate School of Agricultural and Life Sciences / Faculty of Agriculture, The University of Tokyo and have started joint research. This program will undertake the fundamental elucidation of life phenomena such as the evolution of life and cellular differentiation.

Purpose of Establishing the Signal Peptidome Research Program

Signal peptides are short peptide sequences in a protein molecule. Their function is to transport proteins by instructing those proteins to pass through cellular membranes. Furthermore, signal peptides may possess unknown functions relating to the core of life phenomena.

This program will attempt to comprehensively analyze the functions of signal peptides and reveal those unknown functions. The aim of that is to lead to the creation of therapeutic agents for cancer, nervous system diseases, infectious diseases and rare diseases.

Overview of the Signal Peptidome Research Program

Program name	Signal Peptidome Research social cooperation research program in the Graduate School of Agricultural and Life Sciences, The University of Tokyo
Program period	April 1, 2023 to March 31, 2026 (3 years)
Professor	Professor Shuichi Asakawa, Aquatic Biosciences Course, Aquatic Biosciences Major, Graduate School of Agricultural and Life Sciences, The University of Tokyo
Cooperating institution	Toagosei Co., Ltd. (Institute for Advanced Sciences)

Our group proactively promotes research and development to contribute to the health of people including joint research with external institutions under our sustainability policy of “we take up the challenge to create new value to deliver happiness to future generations.” We will strive to develop a sustainable society through this work.

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