

Knowledge Palette Executed a Collaborative Research Contract with Maruho Co., Ltd. on Identification of Alopecia Areata Biomarker

- Knowledge Palette, Inc. executed a collaborative research contract with Maruho Co., Ltd. to identify biomarkers linked with alopecia areata (“AA”) by our single-cell transcriptome analysis.
- AA is an autoimmune disease that causes hair loss on patient’s scalp or other parts of the body, regardless of sex or age. To promote hair growth, a local steroid injection may be given to patients as a treatment. However, there is a variation in efficacy of steroid injection and it is difficult to confirm the efficacy instantly as it requires an appreciable period for hair growth progress. It is necessary to develop a new therapeutic drug and treatment method.
- In this research, we analyze blood samples collected from AA patients by our single-cell transcriptome technology and identify biomarkers which can evaluate efficacy of therapeutic drugs on AA patients in an earlier stage. We plan to establish more effective treatment methods for AA utilizing the biomarkers.

About Knowledge Palette, Inc.

Knowledge Palette is a Japanese biotechnology company conducting phenotypic drug discovery, biomarkers identification, and improvement of regenerative medicine manufacturing based on our single cell transcriptome analysis technology (Quartz-Seq2), which was ranked No.1 for both accuracy scores and overall scores in an international benchmark project in 2020. We are collaborating with pharmaceutical companies and research institutes on acceleration of drug discovery as well as optimization of cell culturing for regenerative medicine.

Address: 3-25-22 Tonomachi, Kawasaki-ku, Kawasaki-shi, Kanagawa, Japan

Representative Director: Hiroki Danno, Masakazu Fukuda

Foundation: August 8, 2018

URL: <https://www.knowledge-palette.com/en/>

TEL: +81-44-223-6215

Email: info@knowledge-palette.com