News Release

The Dai-ichi Life Insurance Company, Limited 13-1, Yurakucho 1-chome, Chiyoda-ku, Tokyo 100-8411, Japan http://www.dai-ichi-life.co.jp/english/ By your side, for life DAI-ICHILIFE

September 29, 2021

Impact Investment in PaMeLa Co., Ltd.

- Contributing to Improving Patients' Quality of Life through Development of Medical Device That "Visualizes" Pain Using Brain Waves -

The Dai-ichi Life Insurance Company, Limited (the "Company"; President and Representative Director: Seiji Inagaki) has invested approximately JPY 100 million in PaMeLa Co., Ltd. ("PaMeLa"; President and Representative Director: Arata Hasegawa), a Japanese startup that develops and provides a medical device that scientifically measures pain using brain waves. This impact investment¹ is a part of the Company's ESG investments.

- A startup that has spun off from Osaka University and is developing a medical device that can objectively measure and evaluate pain, a subjective sensation
- The technology developed by PaMeLa analyzes brain waves using artificial intelligence to quantify pain, thereby making it possible to conduct pain evaluations with universal indicators, even for different patients
- Objectively evaluating pain makes it possible to properly administer analgesics, which is anticipated to contribute to an improvement in patients' quality of life. Examples of such improvement include

lessening the number of patients with chronic pain whose pain endures due to the underdosage of analgesics, the inhibition of symptoms of addiction resulting from the overdosage of analgesics, and the like.

[Social Impact]

Improvement of patients' quality of life

The development and supply of a medical device which can objectively measure and evaluate pain makes it possible to appropriately administer analgesics and the like, thereby realizing an improvement in patients' quality of life 3 GOOD HEALTH AND WELL-BEING

Through this investment, the Company not only expects a high level of returns, but will provide capital support for the initiatives of PaMeLa, which are expected to improve patients' quality of life (social impact). Further, the Company will continuously monitor the progress of these initiatives.

As a responsible institutional investor, the Company will continue to actively engage in ESG investment to realize a sustainable society as well as to improve its investment returns through sophisticated and diverse investment methods.



¹Impact investment is an investment method where an investor makes investment decisions with the intent to gain investment returns and generate social impact (e.g., structural change in society).

Mr. Arata Hasegawa, President and Representative Director of PaMeLa Co., Ltd., made the following remarks:



We are a university spinoff startup engaged in medical device development, formed in order to socially implement the research results of Specially Appointed Professor Aya Nakae of Osaka University's Graduate School of Frontier Biosciences. Just as there are clinical thermometers for body temperature and sphygmomanometers for blood pressure, by providing a method for measuring pain in the form of a medical device, we are striving toward a society in which measuring pain is an everyday occurrence. The current pain evaluation method used in medical care is a subjective method called VAS (visual analogue scale), which is conducted via self-reporting. In contrast, we use an objective method which quantifies pain by using a small electroencephalograph to measure brain waves and using AI to analyze the quantity of pain characteristics. The first application involved usage as a medical device in pain management following surgery; and we have set our sights on home usage in the future. We will contribute to improving the quality of life of people suffering from pain by developing a medical device which contributes to appropriate pain treatment.

[Company Outline]

Trade Name	PaMeLa Co., Ltd.		
Head Office	E601 Osaka University Biosystems Building 6F, 1-3 Yamadaoka, Suita, Osaka 565-0871, JAPAN		
Representative	Arata Hasegawa, President and Representative Director		
Established	February 2016		
Business	Accumulation of clinical research data regarding analgesic effects and product development of		
Description	electroencephalograph which automatically displays patients' pain		

Dai-ichi Life's Impact Investment History

Headline	Release Date	URL
Dai-ichi Life to Engage in Impact Investment		https://www.dai-ichi-
- First Impact Investment in Gojo & Company, Inc. which provides support for	Oct. 23, 2017	life.co.jp/english/news_release/2017/pd
micro-finance business -		<u>f/index_012.pdf</u>
Dai-ichi Life to Invest in Spiber Inc.		https://www.dai-ichi-
- Second Impact Investment through Support for Development of New-Generation	Oct. 23, 2017	life.co.jp/company/news/pdf/2017_044.
BioMaterials -		<u>pdf</u>
Dai-ichi Life to Investment in CureApp, Inc.	Feb. 26, 2018	https://www.dai-ichi-
- Third Impact Investment through Support for Treatment Applications -		life.co.jp/english/news_release/2017/pd
		<u>f/index_018.pdf</u>
Dai-ichi Life to Impact Invest in CROWD CREDIT, Inc.	Apr. 5, 2018	https://www.dai-ichi-
- Energize Business Activities in Developing Countries to Alleviate the Global		life.co.jp/company/news/pdf/2018_002.
SupplyDemand Gap for Funds -		<u>pdf</u>
Dai-ichi Life to Impact Invest in SUSMED, Inc.		https://www.dai-ichi-
- Promote the Widespread Adoption of Non-Drug Therapies through Insomnia	June 4, 2018	life.co.jp/company/news/pdf/2018_008.
Therapy Apps -		<u>pdf</u>
Dai-ichi Life to Impact Investment in MELTIN MMI		https://www.dai-ichi-
- Mitigating Accidents Caused by Work in Hazardous Environments by MELTIN's	Oct. 17, 2018	life.co.jp/english/news_release/2018/pd
Avatar Robots -		<u>f/index_004.pdf</u>

Dai-ichi Life to Impact Investment in MOLCURE Inc.		https://www.dai-ichi-
- Shortening of pharmaceutical development through the world's first antibody	Nov. 27, 2018	life.co.jp/english/news_release/2018/pd
discovery platform utilizing AI -		<u>f/index_007.pdf</u>
Dai-ichi Life to Impact Invest in QD Laser		https://www.dai-ichi-
- World's First Eyewear that Employs State-of-the-Art Laser Technology Improves	Dec. 12, 2018	life.co.jp/english/news_release/2018/pd
Quality of Life for Low-Vision Patients -	,	f/index 010.pdf
Dai-ichi Life to Impact Invest in Challenergy Inc.		https://www.dai-ichi-
- Helping to reduce CO_2 emissions using the world's first wind turbine capable of	Feb. 28, 2019	life.co.jp/english/news_release/2018/pd
	Feb. 26, 2019	
generating electricity even in typhoons -		<u>f/index_012.pdf</u>
Dai-ichi Life to Impact Invest in Venture Fund managed by Energy & Environment		https://www.dai-ichi-
Investment, Inc.	Mar. 20, 2019	life.co.jp/english/news_release/2018/pd
- Japan's Only Independent Venture Capital Focused on the Energy and Resource	,	f/index 015.pdf
Related Sectors -		
Impact Investment in CureApp and NeuroTrack		https://www.dai-ichi-
- Extending healthy life expectancy and improve quality of life through synergies	July 5, 2019	life.co.jp/english/news_release/2019/pd
between investments and life insurance -		<u>f/index 008.pdf</u>
Dai-ichi Life to Impact Invest in Integral Geometry Science		https://www.dai-ichi-
- Contributing to a reduction in breast cancer deaths through the world's first high	Sep. 13, 2019	life.co.jp/english/news_release/2019/pd
precision breast cancer visualizing system -	Sep. 15, 2017	f/index_015.pdf
Dai-ichi Life to Impact Invest in UniFa		
- Contributing to Resolving the Lengthy Daycare Waiting List Problem Caused by a		https://www.dai-ichi-
	Sep. 27, 2019	life.co.jp/english/news_release/2019/pd
Shortage of Nursery Care Workers by Introducing IoT and AI to Daycare Operations		f/index 014.pdf
-		
Dai-ichi Life to Impact Invest in Life is Tech, Inc.		https://www.dai-ichi-
- Contributing to Solving the IT Talent Shortage with IT and Programming	Nov. 15, 2019	life.co.jp/english/news_release/2019/pd
Education Services -		<u>f/index_018.pdf</u>
Dai-ichi Life to Impact Invest in World's First Anti-Smoking Social Impact Bond		https://www.dai-ichi-
- Support Social Impact Creator and Investment Recipient CureApp, through	Nov. 29, 2019	life.co.jp/english/news_release/2019/pd
Investment in Anti-Smoking Project -		<u>f/index_021.pdf</u>
Dai-ichi Life to Impact Invest in Modulus Discovery, Inc.		https://www.dai-ichi-
- Contributing to Realizing Accessible Healthcare for All by Cutting Development	May 13, 2020	life.co.jp/english/news_release/2020/pd
Timelines and Costs of Pharmaceuticals -	5	f/index 003.pdf
Impact Investment in Metcela Inc.		https://www.dai-ichi-
- Contributing to Extending Healthy Life Expectancy of Patients with Heart Failure	Jan. 4, 2021	life.co.jp/english/news_release/2020/pd
through the Development and Provision of a New Treatment -		f/index 017.pdf
Impact Investment in Sharing Energy Co., Ltd.	Feb. 15, 2021	https://www.dai-ichi-
- Contributing to CO ₂ emission reduction through distributed renewable energy		life.co.jp/english/news_release/2020/pd
power generation for residential solar power -		<u>f/index_021.pdf</u>
Impact Investment in GITAI Japan		https://www.dai-ichi-
- Contributing to Economic Growth through Promotion of Space Development by	Mar. 1, 2021	life.co.jp/english/news_release/2020/pd
Means of R&D for Space Worker Robots -		<u>f/index_024.pdf</u>
Impact Investment in Noile-Immune Biotech, Inc.		https://www.dai-ichi-
- Extending Healthy Life Expectancy through Development and Provision of Next-	Mar. 22, 2021	life.co.jp/english/news_release/2020/pd
Generation Cancer Immunotherapy -	,	f/index 028.pdf
Investment in Climate Infrastructure Fund for Emerging Countries	1	https://www.dai-ichi-
- Contributing to Resolving Climate Change Challenges Through Joint	Jul. 8, 2021	life.co.jp/english/news_release/2021/pd
Public/Private Support for Development of a Low Carbon Economy -	Jul. 0, 2021	f/index_003.pdf
Impact Investment in RIVERFIELD Inc.	L 1 20 2021	https://www.dai-ichi-
- Contributing to Improving Patients' Quality of Life by Lessening Burden on Mind	Jul. 30, 2021	life.co.jp/english/news_release/2021/pd
and Body Through Usage of Surgery Support Robots -		<u>f/index_005.pdf</u>