

For Immediate Release



Kanazawa University Expands Molecular Imaging Capabilities with MILabs Preclinical PET/SPECT/CT

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MILabs is pleased to announce that the reputed **Kanazawa University in Japan** will install a **MILabs VECTor⁺/CT** system to enhance its molecular imaging capabilities at the Advanced Science Research Center, the university's premier facility for research and advancement of industry in the medical and pharmaceutical sciences, the natural sciences and interdisciplinary fields. The VECTor⁺/CT has been evaluated to be the most suitable system for their research due to its ultra-high resolution, sensitivity and scanning speed for micro-SPECT imaging while providing the unique added benefit of true simultaneous sub-mm SPECT/PET acquisition..

The utilization of the system will be led by Professor Seigo Kinuya, who is affiliated in Department of Biotracer Medicine (Nuclear Medicine) in the Graduate School of Medical Sciences in the Institute of Medical, Pharmaceutical and Health Sciences, collaborating with 5 other professors, including Professor Keiichi Kawai in the Graduate School of Health Science, Professor Ikumi Tamai and Associate Professor Takeo Nakanishi in the Graduate School of Pharmaceutical Sciences, Professor Shinobu Tanaka in the Graduate School of Natural Science and Technology, and Professor Kazuhiro Shiba in the Center Institute of Radioisotope Science. The system will be used for a broad range of projects at the division of tracer kinetics in the Advanced Science Research Center. The division is engaged in the study and development of radioactive molecular probes for the study and characterization of neurodegenerative disorders such as Alzheimer's disease as well as different types of carcinomas. The system will also be extensively used by Professor Kinuya's own group for the study of tumor detection and treatment with radiopharmaceuticals, combined radioimmunotherapy and cancer drug resistance in different carcinomas such as breast, bone and colon through the use of transgenic animals and xenograft tumor models.

MILabs is very excited to have the opportunity to work with such a prestigious institution and team of investigators at Kanazawa University and for the VECTor⁺/CT system to play such a significant role in furthering research for translational medicine in Japan.

About Kanazawa University

Kanazawa University is one of the leading universities on the Sea of Japan coast and has contributed greatly to Japanese higher education and academic research. It celebrated its 150th anniversary in 2012. It consists of three colleges and has dedicated research facilities to support its vision and mission for cutting-edge research. The Advanced Science Research Center was established in 2003 and is responsible for conducting safely and successfully all animal, genetic recombination, radioisotope experiments and instrumental analysis done within the facilities of Kanazawa University. The center consists of six individual research institutes including those for experimental animals, gene research and radioisotope science. It contributes to research and advancement of industry in the medical and pharmaceutical sciences through researching and developing genetically modified animals, genome analysis, tracer analysis and instrumental analysis.

<http://www.kanazawa-u.ac.jp/e/>

About MILabs

MILabs provides high-end preclinical imaging solutions (SPECT/PET/CT/MR) for biomedical and pharmaceutical research. Today these systems contribute worldwide to the development of new diagnostic solutions and therapies for diseases such as cancer, cardiac and neurodegenerative diseases and diabetes. U-SPECT⁺/CT provides the fastest, most sensitive and highest resolution (< quarter mm) small-animal SPECT currently available. Recently MILabs introduced VECTor⁺ and VECTor⁺/CT providing extremely user friendly, fully integrated and simultaneous sub-mm PET & SPECT. In collaboration with RS²D, MILabs has also introduced MR⁺, a very compact cryogen-free preclinical MRI system operating at clinical field strengths that can be operated very well in multi-modal imaging labs.

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