

**IMSUT International Joint Usage/Research Center  
Project-completion Report (FY2022 ver.)**

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<b>Principal Investigator</b>	Position, Institution: Professor, Fujian Medical University Union Hospital/Department of Hematology
	Name: Jianda HU
<b>IMSUT Host Researcher</b>	Division: Project Division of Innovative Diagnostics Technology Platform
	Name: Hiroshi YASUI
<b>Project Title</b>	Development of novel investigational HLA-A24 restrictive cancer vaccine for multiple myeloma
<b>Duration</b>	From 4/1/2022 to 3/31/2023
<b>Project Members</b>	
<b>Name</b>	<b>Position, Institution</b>
Jianda HU	Professor, Fujian Medical University Union Hospital
Ting YANG	Professor, Fujian Medical University Union Hospital
Xiaoyun ZHENG	Attending, Fujian Medical University Union Hospital
Xiaozhu YANG	Attending, Fujian Medical University Union Hospital
Hiroshi YASUI	Project Associate Professor, IMSUT
Arinobu TOJO	Project Professor, Tokyo Medical and Dental University
Tadao ISHIDA	Chief, Japanese Red Cross Medical Center/ Department of Hematology
Toshihiko TORIGOE	Professor, Sapporo Medical University School of Medicine
<b>Project-completion Report</b>	

To promote the project, the Institute of Medical Science and Fuzhou Medical University has been establishing preclinical and clinical research system for immunotherapy including cancer vaccines, as part of an international academic exchange between institutes as following;

1) Between the School of Medical technology and engineering, Fujian Medical University, China represented by Prof Jianda Hu, President and Project division of innovative diagnostics technology platform, IMSUT, represented by Project associate prof Hiroshi Yasui, director signed a document of statement of cooperation to explore areas of potential collaboration especially in the field of stem cell therapies and precision medicine.

2) To study optimized vaccine adjuvant and drug delivery system for HLA-A24 restrictive cancer vaccine for multiple myeloma smoothly, we consult with the international vaccine design center at IMSUT (Prof. Ken Ishii) as well as with a US Biotech.

3) To evaluate effectiveness of cancer immunotherapy precisely, we studied to establish a n immune-assay to evaluate T cell activity.

4) Establishment of the "Immunology Center" at Fuzhou Medical University Kyowa Hospital is ongoing to conduct clinical research multi-regional and/or internationally for development of novel immunotherapies smoothly, scheduled to be newly established in 2024.

Due to the IMSUT host researcher moving to another university, the program was stopped in FY2022 so far.

#### Research Results from the Project

<Publications> n/a

<Patent Applications> n/a

#### Days of visits to IMSUT

Name	Position, Institution	Sex	Age	Visits to IMSUT (Days)
Jianda HU	Professor, Fujian Medical University Union Hospital	Male	40 or older	0
Ting YANG	Professor, Fujian Medical University Union Hospital	Female	40 or older	0
Xiaoyun ZHENG	Attending, Fujian Medical University Union Hospital	Female	35 or younger	0
Xiaozhu YANG	Attending, Fujian Medical University Union Hospital	Female	35 or younger	0
Name	Position, Institution	Sex	Age	Online Meetings (Days)
Jianda HU	Professor, Fujian Medical University Union Hospital	Male	40 or older	1
Ting YANG	Professor, Fujian Medical University Union Hospital	Female	40 or older	1
Xiaoyun ZHENG	Attending, Fujian Medical University Union Hospital	Female	35 or younger	0
Xiaozhu YANG	Attending, Fujian Medical University Union Hospital	Female	35 or younger	0

Name	Position, Institution	Sex	Age	Discussions via E-mail, Slack, etc. (Days)
Jianda HU	Professor, Fujian Medical University Union Hospital	Male	40 or older	12
Ting YANG	Professor, Fujian Medical University Union Hospital	Female	40 or older	12
Xiaoyun ZHENG	Attending, Fujian Medical University Union Hospital	Female	35 or younger	0
Xiaozhu YANG	Attending, Fujian Medical University Union Hospital	Female	35 or younger	0

Usage of Facilities/Equipment			
Name of Facility	Equipment	Number of Use (Times)	Usage time (Hours)
FACS Core Laboratory	e.g.) FACS Aria (BD)	0	0
Medical Proteomics Laboratory	e.g.) Orbitrap QSTAR Elite	0	0
Imaging Core Laboratory	e.g.) Zeiss Multiphoton Microscopy (LSM710NLO)	0	0
Gene Manipulated Mouse Section	Creation and cryopreservation embryo of Knockout mouse	0	0
Human Genome Center	Supercomputer	0	0
Amami Laboratory of Injurious Animals	Experimental lab	0	0
Other	N/A	0	0
Usage of Scientific Resources			
Name of Scientific Resource			Number of Samples/Lines
Serum (BioBank Japan)			0
DNA (BioBank Japan)			0
Knockout mouse			0
Pathogenic bacteria			0
Other			0
Usage of Database			
Name of Database			Number of Use

	(Times)
N/A	0
N/A	0