## The 17th US-Japan Cellular and Gene Therapy Conference

## **Chimeric Antigen Receptor T Cells for Cancer Therapy**

Natcher Conference Center
Building 45, Room E1/E2, National Institutes of Health
Bethesda, Maryland 20892

## Thursday, March 6, 2014

The conference is jointly supported by the Center for Biologics Evaluation and Research (CBER), US Food and Drug Administration (FDA) and the Ministry of Education, Culture, Sports, Science and Technology, Japan under the US-Japan Cooperative Research Program. The goal of the conference is to exchange ideas on cutting edge areas of biomedical research and enhance opportunities for collaborations among scientists from the US and Japan. The scientific theme of our joint annual meetings has been diverse. The invited speakers from Japan and the US will discuss advances in this promising field of immunotherapy of cancers. Treatments using Chimeric Antigen Receptor T cells have generated some remarkable responses in patients with advanced cancer

Seating is limited to 150 attendees and is on a first-come-first-served basis. **No prior registration is required.** Attendance is free and open to the public. <u>No videocast is arranged for the meeting</u>. For information, please contact **S. Rafat Husain** by e-mailing <a href="mailto:syed.husain@fda.hhs.gov">syed.husain@fda.hhs.gov</a> or phone at (301) 827-0475.

	PROGRAM	
8:30 a.m. – 9:00 a.m.	Registration Coffee and Breakfast	
Moderator	<b>S. Rafat Husain</b> , Staff Scientist, Division of Cellular and Gene Therapies, CBER, US Food and Drug Administration, Bethesda, Maryland	
9:00 a.m. – 9:05 a.m.	Opening Remarks  Celia Witten, Director, Office of Cellular, Tissue and Gene Therapies, CBER, US Food and Drug Administration, Rockville, Maryland	
9:05 a.m. – 9:10 a.m.	<b>Yoshikazu Ohya,</b> Professor, Department of Integrated Biosciences Graduate School of Frontier Sciences, University of Tokyo, Tokyo	
	AM Session	
Moderators	Shigeo Koyasu, Professor, Department of Microbiology and Immunology, Keio University School of Medicine, Tokyo; Head, Laboratory for Immune Cell System, RIKEN Center for Integrative Medical Sciences (IMS), Saitama, Japan	

1:30 p.m. – 2:00 p.m.	Developing chimeric antigen receptor based therapies for childhood cancer		
Moderators	Raj K Puri, Director, Division of Cellular and Gene Therapies, CBER, FDA, Bethesda, Maryland Keiya Ozawa, Professor and Chairman, Division of Hematology, Department of Medicine, Division of Genetic Therapeutics, Center for Molecular Medicine, Division of Immuno- Gene & Cell Therapy (Takara Bio), Jichi Medical University, Tochigi, Japan		
	PM Session		
12:10 p.m. – 1:30 p.m.	LUNCH		
11:40 a.m. – 12:10 a.m.	Anti-CD19 chimeric antigen receptors for treatment of B-cell malignancies  James Kochenderfer, Investigator, Experimental Transplantation and Immunology Branch, Center for Cancer Research, National Cancer Institute, Bethesda, Maryland		
11:10 a.m. – 11:40 a.m.	Clinical application of TCR gene-transduced lymphocytes for patients with epitherial cancer or leukemia  Hiroaki Ikeda, Associate Professor, Department of Immuno-Gene Therapy, Mie University Graduate School of Medicine, Mie, Japan		
10:40 a.m. – 11:10 a.m. <b>Coffe</b>	e Break		
10:10 a.m. – 10:40 a.m.	Clinical challenges in the regulation of CAR-T cells Bindu George, Medical Officer (Team Lead), Division of Clinical Evaluation and Pharmacology and Toxicology, CBER, FDA, Rockville, Maryland		
9:40 a.m. – 10:10 a.m.	Chemistry, Manufacturing and Control (CMC) aspects of gene modified T cell products: FDA/CBER Experience Graeme Price, Staff Scientist, Gene Transfer and Immunogenicity Branch, Division of Cellular and Gene Therapies, CBER, FDA, Bethesda, Maryland		
9:10 a.m. – 9:40 a.m.	CD19-specific CAR (chimeric antigen receptor)-expressing T-cell therapy for B-cell lymphoma: A preclinical study  Keiya Ozawa, Professor and Chairman, Division of Hematology, Department of Medicine, Division of Genetic Therapeutics, Center for Molecular Medicine, Division of Immuno-Gene & Cell Therapy (Takara Bio), Jichi Medical University, Tochigi, Japan		
	<b>Jonathan Powell</b> , Associate Professor, Oncology, and Pharmacology, Sidney-Kimmel Comprehensive Cancer Center, Johns Hopkins University School of Medicine, Baltimore, Maryland		

Organizers:	S. Rafat Hus Raj K Puri, N	Medical Sciences (IMS), Saita  Thank you for your participat  ain, Ph.D.	<u> </u>	
3:30 p.m. – 4:00 p.m. 4:00 p.m. – 4:30 p.m. 4:30 p.m. – 5:00 p.m.		NKT cell-mediated licensing of DCs in vivo Shigeo Koyasu, Professor, Department of Microbiology and Immunology, Keio University School of Medicine, Tokyo; Head,		
		Bottom-up engineering of cytokine receptors for artificially controlling cell fate  Masahiro Kawahara, Lecturer, Department of Chemistry and Biotechnology, School of Engineering, University of Tokyo, Tokyo		
		Targeting mTOR signaling and metabolism to regulate T cell activation, differentiation and function  Jonathan Powell, Associate Professor, Oncology, and Pharmacology, Sidney-Kimmel Comprehensive Cancer Center, Johns Hopkins University School of Medicine, Baltimore, Maryland		
3:00 p.m. – 3:	30 p.m.	Coffee Break		
2:30 p.m. – 3:	00 p.m.	PiggyBac transposon-mediated cancer immunotherapy Yozo Nakazawa, Assistant Professor, Department of Immunology and Pathology, Shinshu University School of Medicine, Nagano		
2:00 p.m. – 2:30 p.m.		Analysis of glypican-3 peptide specific cytotoxic T lymphocyte clones established from patients vaccinated with peptide and development of combination therapy of anti-FITC CAR T cells together with FITC-labeled antitumor Abs  Tetsuya Nakatsura, Chief, Division of Cancer Immunotherapy, Exploratory Oncology Research & Clinical Trial Center, National Cancer Center Hospital East, Kashiwa Chiba, Japan		
		<b>Crystal MacKall,</b> Head, Ir Research, National Cancer Ins	mmunology Section, Center for Cancer stitute, Bethesda, Maryland	

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