BIOGRAPHICAL SKETCH

NAME: Jing Chen, PhD

POSITION TITLE: Associate Scientist

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Completion Date MM/YYYY	FIELD OF STUDY
West China University of Medical Sciences, China	M.D.	1995	Clinical Medicine
Yamanashi Medical University, Japan	Ph.D.	2003	Biochemistry
The Jackson Laboratory, Maine	Postdoctoral	2003-2005	Genetics and Immunology
University of Pittsburgh	Postdoctoral	2005-2007	Genetics and Immunology

Positions and Honors

Positions and Employment

1995/7-1998/2 Resident, Department of Endocrinology and Metabolism, First Affiliated Hospital, West China University of Medical Sciences. Chengdu, Sichuan, People's Republic of China
1998/2-1998/9 Chief Resident, Department of Endocrinology and Metabolism, First Affiliated Hospital, West China University of Medical Sciences. Chengdu, Sichuan, People's Republic of China
2007/10-2015/6 Assistant Scientist, Department of Pathology, Immunology and Laboratory Medicine, University of Florida, FL
2015/7- Associate Scientist, Department of Pathology, Immunology and Laboratory Medicine, University of Florida, FL

Other Experience and Professional Memberships

1999-2003 Professional Member, Japan Diabetes Society
2006- Professional Member, American Diabetes Association
2006- Professional Member, American Association of Immunologists
2010- Professional Member, Immunology of Diabetes Society

Honors

1998-2003 Japanese Government Scholarship, Japan
2002 Excellent oversea student thesis in Yamanashi Medical University, Japan
2009 American Diabetes Association's Young Investigator Travel Grant Award, Scientific Sessions
2010 Immunology of Diabetes Society's Young Investigator Travel Grant Award, 11th IDS meeting
2012 Federation of Clinical Immunology Societies Travel Award, 2012 FOCIS meeting
2013 Seahorse Biosciences Travel Award, 2013 ADA meeting
2015 Immunology of Diabetes Society's Young Investigator Travel Grant Award, 14th IDS meeting

Complete List of Published Work in MyBibliography:
http://www.ncbi.nlm.nih.gov/sites/myncbi/jing.chen.3/bibliography/43883513/public/?sort=date&direction=ascending

D. Research Support

CURRENT

R01 DK074656 Mathews (PI) 4/1/12-3/31/17
NIH/NIDDK
mt-Nd2 and resistance to autoimmune diabetes
Understand the role that the sequence variation in *mt-Nd2* plays in resistance to T1D
Role: Co-Investigator

UC4 DK104194 Mathews (PI) 9/1/14-6/30/19
NIH
Genetic regulation of human beta cell destruction
Our goal is to create an innovative platform to study how Type 1 Diabetes genetic risk factors precipitate autoimmunity leading to the loss of insulin producing cells.
Role: Co-Investigator

UC4 Qian (PI) 9/1/14-6/30/17
NIH
Regulatory Networks and Biomarkers of Beta-cell Dysfunction and Apoptosis
Role: Co-Investigator of UF Subproject

UC4 DK104155 Gerling (PI) 9/1/14-6/30/17
NIH
Defining heterogeneity using single islet transcriptomics
Role: Co-Investigator of UF Subproject

Completed Research Support

17-2012-595 Chen (PI) 1/1/13-12/31/14
JDRF
Lymphocyte mitochondrian dysfunction on type 1 diabetes
Our objective is to identify novel markers of immune dysregulation in patients who develop type 1 diabetes. Specifically, we aim to identify metabolic profiles of T cells involved in the disease process.
Role: Principal Investigator

ADA Grant #7-12-IN-09 Chen (PI) 7/1/2012-6/30/2014
Source: American Diabetes Association
Title: Role of T cell mitochondrial function in the pathogenesis of Type 1 Diabetes
Project Role: PI
Objective: To investigate T cell mitochondrial function changes and their consequence in T cell function during the pathogenesis of human Type 1 diabetes. To characterize $CD4^+$ T cell metabolic activity in patients with T1D, and assess metabolic substrate utilization in human $CD4^+$ T_H subsets in patients with T1D

Faculty Enhancement Opportunity Chen (PI) April 2014-May 2014
Source: University of Florida, FL
Project Role: PI
Objective: This grant supports me to attend the “2014 Analytical and Quantitative Light Microscopy” short course. After attending this course I gained in depth knowledge of microscopy and technics. This is very helpful for my task to manage the Zeiss 710 confocal microscope in the CIT.

CRC grant Chen (PI) 10/1/2012-6/30/2013
Source: Department of Pathology, Immunology and Laboratory Medicine, University of Florida, FL
Title: Role of pyruvate dehydrogenase complex in human pancreatic beta cell insulin secretion
Project Role: PI

Objective: To investigate the role of Pyruvate dehydrogenase complex in the metabolism and mitochondrial function of human pancreatic beta cells, and its effect on insulin secretion.

EPIG grant Chen (PI) 09/01/08-05/31/09
Source: Department of Pathology, Immunology and Laboratory Medicine, University of Florida, FL
Title: Creation of human $\rho 0$ beta cell line and Human $\rho 0$ T cell line
Project Role: PI
Objective: The goal of this project was to create beta cell line and T cell line that deprived of mitochondrial DNA, to provide tools for further study of the role of mitochondria in the pathogenesis of autoimmune diseases including Type 1 diabetes.

TJL fellowship Chen (PI) 06/01/03-05/31/04
Source: The Jackson Laboratory
Title: Role of mitochondria in diabetes resistance of ALR mice
Project Role: PI
Objective: To investigate the role of mitochondria in the protection of beta cells against immune attacks in ALR and NOD mouse model.