

Xiangwen Chen-Deutsch, M.D., Ph.D., FACMG

CURRENT POSITION

Assistant Medical Director, July 2016 – present
Connective Tissue Gene Tests, HNLG, Allentown, PA

BOARD CERTIFICATION

Clinical Molecular Genetics and Genomics, American Board of Medical Genetics and Genomics

EDUCATION

Ph.D. in Molecular Pathology, conferred September 2012
Rutgers University, New Jersey Medical School, Department of Pathology and Laboratory Medicine,
Newark, New Jersey

M.Sc. in Pathophysiology, conferred July 2004
West China Center of Medical Sciences, Department of Pathophysiology, Research Unit of Infection and
Immunity, Chengdu, China

M.D. in Clinical Medicine, conferred July 2001
Nanjing Medical University, School of Medicine, Department of Clinical Medicine, Nanjing, China

EXPERIENCE

Clinical Molecular Genetics Fellow, July 2014 – June 2016
Rutgers University, New Jersey Medical School, Institute of Genomic Medicine
American Board of Medical Genetics and Genomics-Accredited Clinical Molecular Genetics and
Genomics Training Program

Postdoctoral Research Fellow, August 2012 – June 2014
Rutgers University, New Jersey Medical School, University Hospital Cancer Center,
Interdisciplinary Training Program in Cancer Research, Newark, New Jersey
Research project on “Low Dose Ionizing Radiation-Induced DNA Damage Recognition/Repair and the
Bystander Effects in Human Cells”

Graduate Researcher, August 2006 – March 2012
University of Medicine and Dentistry of New Jersey, New Jersey Medical School, Department of
Pathology & Laboratory Medicine, Newark, New Jersey
Research project on “Induction of Differentiation in Human Leukemia Cells, *In Vitro* and *Ex Vivo*”

Laboratory Medicine Pathologist, August 2004 – July 2006
Nanjing Children’s Hospital, Department of Laboratory Medicine, Nanjing, China

Research Assistant, September 2001 – July 2004
West China Center of Medical Sciences, Research Unit of Infection and Immunity, Chengdu, China
Research project on “The Signaling Pathways of Innate Immunity in Human Lung Epithelial Cells”

Teaching Assistant, September 2002 – July 2004
West China Center of Medical Sciences, Chengdu, China
Instructor for a medical school course of Experimental Physiology and Pathophysiology

Clinical Internship, June 2000 – July 2001
Nanjing Drum Tower Hospital, Nanjing, China

FIRST AUTHOR PUBLICATIONS AND CONFERENCE PRESENTATIONS

TCTP interacts with the 9-1-1 complex and participates in radiation-induced cell cycle arrest in irradiated and bystander cells. *59th Annual Meeting of Radiation Research Society*. September 2013, #308. Scholars-in-Training Travel Award.

The pan-caspase inhibitor Q-VD-OPh has anti-leukemia effects and can interact with vitamin D analogs to increase HPK1 signaling in AML cells. Chen-Deutsch X, Kutner A, Harrison JS, Studzinski GP. *Leukemia Research*. 2012 Jul;36(7):884-8.

Dual role of hematopoietic progenitor kinase 1 (HPK1) as a positive regulator of 1 α ,25-dihydroxyvitamin D-induced differentiation and cell cycle arrest of AML cells and as a mediator of vitamin D resistance. Chen-Deutsch X, Studzinski GP. *Cell Cycle*. 2012 Apr 1;11(7):1364-73.

Changes in the MAPK expression profile in AML cells *ex vivo* associated with differentiation induced by 1,25-dihydroxyvitamin D3 and its analogs PRI-1906 and PRI-2191. *American Association for Cancer Research 102nd Annual Meeting*. 2011 #3529

MAPK signaling profiles differ between Vitamin D-sensitive HL60-G and Vitamin D-resistant 40AF human leukemia cells. *American Association for Cancer Research 101st Annual Meeting*. 2010 #1540

C-Jun N-terminal kinase 2 (JNK2) antagonizes the signaling of differentiation by JNK1 in human myeloid leukemia cells resistant to vitamin D. Chen-Deutsch X, Garay E, Zhang J, Harrison JS, Studzinski GP. *Leukemia Research*. 2009 Oct; 33(10): 1372-8.

Multiple agent differentiation therapy of leukemia can target the JNK1 signaling pathway. *American Association for Cancer Research 99th Annual Meeting*. 2008 #3833

Role of Secretory Factors and Live Bacteria of *Klebsiella pneumoniae* Induced IL-8 Expression in Human Lung Epithelial Cells. Xiangwen Chen, Qi Wu, et al. *Sichuan Journal of Physiological Sciences*. 2004, 26(1):7-10.

FELLOWSHIPS AND AWARDS

Postdoctoral Research Fellow, 2012-2014

Supported by NIH Kirschstein National Research Service Award, T32 institutional training grant in interdisciplinary cancer research

New Jersey Commission on Cancer Research Annual Retreat, 2008

Gallo Award for Scientific Excellence