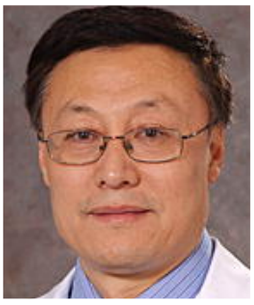

Jian-Jian Li, M.D., Ph.D.

Clinical Interests
Research interests include the study of the molecular mechanisms causing tumor resistance to radiation and chemotherapy. A tumor resistant signaling network regulated by the transcription factor NF?B and a group of proteins that translocate to the mitochondrion are being investigated in an array of human cancers including breast, lung, prostate and liver.
Additional projects are related to radiation-induced adaptive response in normal tissues and in the radiation-resistant cancer stem cells. The goal of these studies is to find therapeutic targets to enhance cancer cure rates by radiotherapy.

Title
Director of Translational Research
Professor

Specialty
Cancer, Radiation Oncology

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Languages
Chinese (Mandarin)

Education
M.D., The Fourth Military Medical University, Xi'an, China 1984
Ph.D., Radiation and Free Radical Biology, University of Iowa, Iowa City IA 1994
B.S., Xi'an Medical College, Xi'an, China 1979

Residency
Surgery, Xi'an Railway Central Hospital, Xi'an, China 1979-1981

Fellowships
Molecular Carcinogenesis, National Institutes of Health, Frederick MD 1994-1998
Radiation Oncology, UC San Francisco, San Francisco CA 1988-1990

Professional Memberships
American Association for Cancer Research (AACR)
American Radiation Research Society (RRS)
Association of Free Radical Biology and Medicine (SFRBM)
Association of International Union against Cancer Fellows (UICC)

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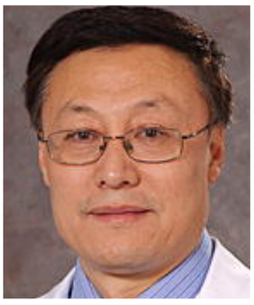

Jian-Jian Li, M.D., Ph.D.

Honors and Awards

Seed for Success Award of Purdue University Provost Office, 2004

NIH Cancer Research Fellow Award (NIH-CRFA), National Cancer Institute, National Institutes of Health, 1998

NIH Fellows Award for Research Excellence (NIH-FARE), National Cancer Institute, National Institutes of Health, 1996

NIH Intramural Research Training Award (NIH-IRTA), National Cancer Institute, National Institutes of Health, 1995

Recipient of E. Roosevelt International Cancer Research Award by International Union Against Cancer, 1988

Select Recent Publications

To see a complete list of Dr. Li's publications, please click here.

Qin L, Fan M, Candas D, Jiang G, Papadopoulos S, Tian L, Woloschak G, Grdina DJ, Li JJ. CDK1 Enhances Mitochondrial Bioenergetics for Radiation-Induced DNA Repair. Cell Rep. 2015 Dec 15; 13(10):2056-63.

Jin C, Qin L, Shi Y, Candas D, Fan M, Lu CL, Vaughan AT, Shen R, Wu LS, Liu R, Li RF, Murley JS, Woloschak G, Grdina DJ, Li JJ. CDK4-mediated MnSOD activation and mitochondrial homeostasis in radioadaptive protection. Free Radic Biol Med. 2015 Apr;81:77-87.

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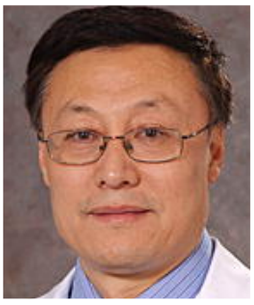

Jian-Jian Li, M.D., Ph.D.

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Wang Z, Fan M, Candas D, Zhang TQ, Qin L, Eldridge A, Wachsmann-Hogiu S, Ahmed KM, Chromy BA, Nantajit D, Duru N, He F, Chen M, Finkel T, Weinstein LS, Li JJ. Cyclin B1/Cdk1 coordinates mitochondrial respiration for cell-cycle G2/M progression. Dev Cell. 2014 Apr 28;29 (2):217-32.

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Candas D, Fan M, Nantajit D, Vaughan AT, Murley JS, Woloschak GE, Grdina DJ, Li JJ. CyclinB1/Cdk1 phosphorylates mitochondrial antioxidant MnSOD in cell adaptive response to radiation stress. J Mol Cell Biol. 2013 Jun;5(3):166-75.

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Wang Z, Cao N, Nantajit D, Fan M, Liu Y, Li JJ. Mitogen-activated protein kinase phosphatase-1 represses c-Jun NH2-terminal kinase-mediated apoptosis via NF-kappaB regulation. J Biol Chem. 2008 Jul 25;283(30):21011-23.

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