

Curriculum Vitae

Name: JERRY EDWARD CHIPUK

Degree: PH.D.

Affiliation: ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI

Position Title: ASSOCIATE PROFESSOR OF ONCOLOGICAL SCIENCES AND DERMATOLOGY; ASSOCIATE DIRECTOR OF TISCH CANCER CENTER

Education/Training

B.S.	1997	Baldwin-Wallace College, Berea, Ohio Biology and Chemistry
Ph.D.	2002	Case Western Reserve University, Cleveland, Ohio Pharmacology
Post-Doctoral	2002	La Jolla Institute for Allergy and Immunology, San Diego, California; mentor: Douglas R. Green, Ph.D.
Post-Doctoral	2005	St. Jude Children's Research Hospital, Memphis, Tennessee; mentor: Douglas R. Green, Ph.D.

Positions and Scientific Appointments

2020-pres ; Tenured, Icahn School of Medicine at Mount Sinai, NY, NY
2017-pres ; Associate Director, NCI-Designated Tisch Cancer Institute at Mount Sinai, NY, NY
2017-pres ; Director, Mitochondrial Analysis Facility, Icahn School of Medicine at Mount Sinai, NY, NY
2017-pres ; Cell Communication and Signaling, Editorial Board
2015-pres ; Associate Professor, Dermatology, Icahn School of Medicine at Mount Sinai, NY, NY
2015-pres ; Associate Professor, Oncological Sciences, Icahn School of Medicine at Mount Sinai, NY, NY
2015-pres ; Oncotarget, Advisory Board for "Autophagy and Apoptosis"
2013-pres ; Molecular & Cellular Oncology, Associate Editor
2012-pres ; Cell Death & Disease, Editorial Board
2012-pres ; Oncogenesis, Associate Editor
2011-pres ; Frontiers in Molecular and Cellular Oncology, Associate Editor
2011-pres ; Member, The Diabetes, Obesity, & Metabolism Institute, Mount Sinai Medical Center, NY, NY
2011-pres ; Member, The Tisch Cancer Institute, Mount Sinai Medical Center, NY, NY

Honors

Elected to the Board of Directors of the International Cell Death Society, 2015-pres
Irma T. Hirschl/Monique Weill-Caulier Trust Research Award, 2015
The Dr. Harold and Golden Lamport Research Award for outstanding junior faculty member, 2014
UICC, International Cancer Technology Transfer Fellowship, ICR/07/17, 2007
Marie Curie Scholarship, 2007
National Cancer Institute, National Research Service Award, Post-Doctoral, F32-CA101444, 2002-2005
National Cancer Institute, Research Oncology Training Program, Pre-Doctoral, T32-CA59366, 2001

Selected Publication

Chipuk JE*, McStay GP, Bharti, A, Kuwana T, Clarke CJ, Siskind LJ, Obeid LM, *Green DR. Sphingolipid metabolism cooperates with pro-apoptotic BAK and BAX to promote mitochondrial outer membrane permeabilization and apoptosis. **Cell**. 2012 Mar 2;148:988-1000. *Co-corresponding authors. (PMCID: PMC3506012)

Renault TT, Floros KV, Elkholi R, Corrigan KA, Kushnareva Y, Wieder S, Lindtner C, Serasinghe MN, Ascioffa JJ, Buettner C, **Chipuk JE**. Mitochondrial shape governs BAX-induced membrane permeabilization and apoptosis. **Molecular Cell**. 2015 Jan 8;57(1):69-82. (PMCID: PMC4289414)

Serasinghe MN, Weider SY, Renault TT, Elkholi R, Ascioffa JA, Yao JL, Jabado O, Hoehn K, Kageyama Y, Sesaki H, **Chipuk JE**. Mitochondrial division is requisite to RAS-induced transformation and is targeted by oncogenic MAPK pathway inhibitors. **Molecular Cell**. 2015 Feb 5;57(3):521-36. (PMCID: PMC4320323)

Mendoza A, Fang V, Chen C, Serasinghe M, Verma A, Muller J, Chaluvadi VS, Dustin ML, Hla T, Elemento O, **Chipuk JE**, Schwab SR. Lymphatic endothelial S1P promotes naïve T cell mitochondrial function and survival. **Nature**. 2017 Jun 1;546(7656):158-161. (PMCID: PMC5683179)

Elkholi R, Abraham-Enachescu I, Trotta AP, Rubio-Patiño C, Mohammed JN, Luna-Vargas MPA, Gelles JD, Kaminetsky JR, Serasinghe MN, Zou C, Ali S, McStay GP, Pflieger CM, Chipuk JE. MDM2 integrates cellular respiration and apoptotic signaling through NDUF51 and the mitochondrial network. **Molecular Cell**. 2019 May 2;74(3):452-465. (PMCID: PMC6499641)

Chipuk JE, Mohammed JN, Gelles JD, Chen Y. Mitochondrial Control of Regulated Cell Death Pathways. **Developmental Cell**. 2021 May 3;56(9):1221-1233. (PMCID: PMC8102388)

Gelles JD, Mohammed JN, Chen Y, Sebastian TM, **Chipuk JE**. A kinetic fluorescence polarization ligand assay for monitoring BAX early-activation. **Cell Reports Methods**. 2022 Mar 28;2(3):100174. (PMCID: PMC9004659)