



Biology of Aging Faculty

NAME	RESEARCH INTEREST	E-MAIL ADDRESS
Martin L. Adamo, PhD	The role and regulation of insulin-like growth factor-I action throughout the life span	adamo.uthscsa.edu
Reto Asmis, PhD	Thiol oxidative stress and macrophage dysfunction in chronic inflammatory diseases	asmis@uthscsa.edu
Steven N. Austad, PhD	Evolutionary and comparative biology of aging, role of genome maintenance	austad@uthscsa.edu
Yidong Bai, PhD	The role of mitochondrial dysfunction and mtDNA mutations in aging	baiy@uthscsa.edu
Alex Bishop, D. Phil.	Genomic instability, homologous recombination, cell signaling, aging and cancer	bishopa@uthscsa.edu
Rochelle Buffenstein, PhD	Comparative biology of aging and cancer resistance in rodents, in particular the naked mole-rat	buffenstein@uthscsa.edu
Ivan Cameron, PhD	Aging and water structure, oxidative stress	cameron@uthscsa.edu
Bandana Chatterjee, PhD,	Aging; gene regulation; nuclear receptor; drug metabolism; prostate cancer	chatterjee@uthscsa.edu
Asish Ray Chaudhuri, PhD	Role of protein oxidation in aging and disease	chaudhuria@uthscsa.edu
Robert A. Clark, MD	Inflammation, phagocytes, NADPH oxidases, reactive oxygen species, signaling, gene regulation, neurodegeneration genetics, genomics, cancer, hereditary tumors, pheochromocytoma,	clarkra@uthscsa.edu
Patricia L. Dahia, MD, PhD	Endocrine neoplasia, mitochondria, tumor suppressor, energy metabolism	dahia@uthscsa.edu
Lily Q. Dong, PhD	Aging related diseases such as obesity and diabetes	dongq@uthscsa.edu
Benjamin A. Eaton, PhD	The effects of aging on the synapse	eatonb@uthscsa.edu
Maria Gaczynska, PhD	Controlled proteolysis in aging and cancer, nanomedicine, chemical biology	gaczynska@uthscsa.edu
Yair Gazitt, PhD	Enumeration and function of dendritic cells and hematopoietic stem cells in aging	gazitt@uthscsa.edu
Paul Hasty, DVM	DNA repair and mouse models of cancer and aging	hastye@uthscsa.edu
Brian Herman, PhD	Aging, apoptosis, imaging, osteoporosis, caspase-2	hermanb@uthscsa.edu
Peter Hornsby , PhD	Using cell transplantation to study aging and physiology	hornsby@uthscsa.edu
Yuji Ikeno, MD, PhD	Role of oxidative stress in aging and age-related diseases	ikeno@uthscsa.edu
Syed Z. Imam, MD, PhD	Molecular mechanisms and preclinical therapeutics of Parkinson's disease	imam@uthscsa.edu
Jean X. Jiang, PhD	Cell-cell communication and intracellular signaling, amino acid transport	jiangj@uthscsa.edu
Ellen Kraig, PhD	Effects of aging on immunity and autoimmunity	kraig@uthscsa.edu
Pamela Larsen, PhD	Metabolism, stress resistance, aging and <i>C. elegans</i> development	larsenp@uthscsa.edu
James D. Lechleiter, PhD	Impact of astrocyte mitochondrial metabolism on neuroprotection during aging	lechleiter@uthscsa.edu
Senlin Li, MD	Aging, rejuvenation, stem cells, gene therapy, atherosclerosis, Parkinson's, Alzheimer's, macrophage, longevity	lis1@uthscsa.edu
Merry L. Lindsey, PhD	Aging influences on cardiac remodeling and failure following myocardial infarction	lindseym@uthscsa.edu
Robert Marciniak, MD, PhD	Aging, cancer, DNA repair, telomere biology, therapeutic	marciniak@uthscsa.edu

Lee McAlister-Henn, PhD	Endogenous sources of NADPH as antioxidants	henn@uthscsa.edu
Linda M. McManus, PhD	Inflammation and the regulation of skeletal muscle regeneration	mcmamus@uthscsa.edu
Charleen M. Moore, PhD	Chromosome stability in aging and comparative cytogenetics	moorec@uthscsa.edu
William W. Morgan, PhD	Parkinson's disease, neurodegenerative diseases related to aging	morgan@uthscsa.edu
Michael Naski, MD, PhD	Skeletal biology/pathology	naski@uthscsa.edu
Susan Naylor, PhD	MicroRNA in aging and cancer, genetic susceptibility to disease	naylor@uthscsa.edu
James Nelson, PhD	Hormonal and genetic mechanisms mediating extended lifespan in mice	nelsonj@uthscsa.edu
Carlos J. Orihuela, PhD	Effects of aging on innate immunity in the lungs	orihuela@uthscsa.edu
Pawel A. Osmulski, PhD	Protein homeostasis in aging, proteasome-ubiquitin pathway in aging	osmulski@uthscsa.edu
Babatunde Oyajobi, PhD	Multiple myeloma, NF- κ B signaling, bone biology, cancer-induced bone diseases animal models of cancer-induced bone diseases, small animal	oyajobi@uthscsa.edu
Andrej Podlutzky, PhD	Comparative biology of DNA repair and during aging	podlutzky@uthscsa.edu
Qitao Ran, PhD	Oxidative damage and lipid peroxidation in aging, Alzheimer's disease and apoptosis	ran@uthscsa.edu
Ravi Ranjan, PhD	The genetics of aging and the mechanism of neurotransmitter synapse in <i>Drosophila melanogaster</i>	ranjan@uthscsa.edu
Vivienne Rebel , PhD	Regulation of blood stem cells and the effects of aging on this process	rebel@uthscsa.edu
Arlan Richardson, PhD	Oxidative stress in aging and age-related diseases	richardsona@uthscsa.edu
James L. Roberts, PhD	Estrogen /neuroprotection of dopaminergic neurons Parkinson's disease; effects of age in glial function	robertsjl0@uthscsa.edu
Paula Shireman, MD	Inflammatory and stem cell influences on skeletal muscle regeneration	shireman@uthscsa.edu
Olivia M Pereira-Smith, PhD	Cell senescence, tumor suppression, chromatin remodeling, gene regulation	smitho@uthscsa.edu
Sue Stacy, PhD	Effects of age on immunity and autoimmunity	stacys@uthscsa.edu
Randy Strong, PhD	Parkinson's disease, catecholamines, and aging, pharmacology of aging	strong@uthscsa.edu
LuZhe Sun, PhD	Cancer biology, signal transduction, cell cycle, cell senescence, experimental therapeutics	sunl@uthscsa.edu
Suzette Tardif , PhD	Primate models of aging, metabolism, obesity and reproduction	Tardif@uthscsa.edu
Kaoru Tominaga, PhD	Molecular mechanism of cellular senescence	tominaga@uthscsa.edu
Dean A. Troyer , MD	Genitourinary Cancer; Biobanking of relevant human samples	troyer@uthscsa.edu
Holly Van Remmen, PhD	Aging and oxidative stress, mitochondria, muscle atrophy, ALS	vanremmen@uthscsa.edu
Christi A. Walter, PhD	Reproductive aging, genetic instability and aging, cancer	walter@uthscsa.edu
Walter F. Ward, PhD	Proteomics; aging; anti-aging actions of caloric restriction and PGC-1 α	wardw@uthscsa.edu