

FRIDAY, MAY 30, 2014

Preconference Symposium: The Role of Mitochondria in Aging

Organizers: Drs. Y. Bai, UTHSCSA and H. Van Remmen, OMRF, OKC VAMC

8:30 AM - 8:45 AM	Opening comments	Drs. Yidong Bai, UTHSCSA and Holly Van Remmen, OMRF, OKC VAMC
8:45 AM - 9:20 AM	<i>Mitochondrial function and synaptic plasticity in brain aging and a mouse model of Alzheimer's disease</i>	Enrique Cadenas, USC
9:20 AM - 9:55 AM	<i>Rethinking the cellular targets of mitochondrial dysfunction associated with aging</i>	Carlos Moraes, University of Miami
9:55 AM - 10:20 AM	Break	
10:20 AM - 10:55 AM	<i>Mitochondrial Protein Acetylation</i>	Eric Verdin, UCSF
10:55 AM - 11:30 AM	<i>Direct regulation of cupins by the metabolic network in the c. elegans mit mutants</i>	Shane Rea, UTHSCSA
11:30 AM - 1:00 PM	Lunch	
1:00 PM - 1:35 PM	<i>Comparative bioenergetic study of neuronal and muscle mitochondria during aging</i>	Yidong Bai, UTHSCSA
1:35 PM - 2:10 PM	<i>Communication between the mitochondrion and the nucleus in aging and Age-Related Disease</i>	Michal Jazwinski, Tulane
2:10 PM - 3:00 PM	<i>A mitochondrial etiology of metabolic and degenerative diseases, cancer and aging</i>	Doug Wallace, CHOP U of Penn
3:00 PM - 3:15 PM	<i>Closing remarks</i>	

MAIN CONFERENCE OPENS

43rd AGE Conference Registration and Opening Reception & Silent Auction

	Panel discussion: Scientific Prospects and Societal implications For a Prolonged Healthy Adulthood	George Rapier, Felipe Sierra, Eleanor Simonsick, Jay Olshansky, Susan Peschin, Huber Warner
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SATURDAY, MAY 31

7:30 AM - 8:00 AM	<i>Continental Breakfast</i>	
8:00 AM - 8:15 AM	<i>Opening Address</i>	
8:15 AM - 9:15 AM	<i>Key Note Address: Molecular mechanisms that regulate mammalian aging</i>	Dr. Toren Finkel, Center for Molecular Medicine, NHLBI
9:15 AM - 10:40 AM	Session 1: Stem cells and aging	
	Chair: Vivian Rebel	

9:20 AM - 9:40 AM	<i>Division, differentiation, and maintenance of adult neural stem cells</i>	Grigori Enikolopov
9:40 AM - 10:00 AM	<i>Induced pluripotent stem cells in marmosets and other novel models</i>	Jacob Hemmi, UTHSCSA
10:00 AM - 10:20 AM	<i>Aging of hematopoietic stem cells; a single cell perspective</i>	Gerald de Haan, UMCG, NL
10:20 AM - 10:40 AM	Panel Discussion	
10:40 AM - 11:00 AM		
Tea		
11:00 AM - 12:45 PM		
Session 2: Age-Related Changes In Proteolytic Pathways And Proteostasis		
Chair: Maria Figueiredo-Pereira Co-Chair: Karl Rodriguez		
11:05 AM - 11:25 AM	<i>Link between inflammation and the ubiquitin-proteasome pathway in Parkinson's disease</i>	Maria Figueiredo-Pereira, Hunter
11:25 AM - 11:45 AM	<i>Inter-cellular propagation of huntingtin aggregation in the Drosophila central nervous system</i>	Margaret M.P. Pearce, Stanford University
11:45 AM - 12:05 PM	<i>Role of the Proteasome and its Regulators in Stress Adaptation & Ageing</i>	Kelvin Davies, USC
12:05 PM - 12:25 PM	<i>Autography and Cardiac Aging</i>	Roberta Gottlieb, Cedar Sinai
12:25 PM - 12:45 PM	Panel Discussion	
12:40 PM - 2:00 PM		
Lunch		
2:00 PM - 3:40 PM		
Session 3: Circadian Dysregulation in Aging, Consequences and Causes		
Chair: Jaga Giebultowicz Co-Chair: Miranda Orr		
2:05 PM - 2:25 PM	<i>Aging Clocks, Aging Bodies: Correlation or Causation?</i>	Jaga Giebultowicz, Oregon State
2:25 PM - 2:45 PM	<i>Influence of Aging on Clock Gene Expression in Hamsters</i>	Marilyn Duncan, University of Kentucky
2:45 PM - 3:05 PM	<i>Circadian regulation, chronic inflammation and aging</i>	Marina Antoch, Roswell Cancer Institute
3:05 PM - 3:25 PM	<i>Biological clocks, feeding regimes and aging</i>	Roman Kondratov, CSU
3:25 PM - 3:40 PM	Panel Discussion	
3:40 PM - 4:05 PM		
Tea		
4:05 PM - 5:10 PM		
Session 4: TBA		
Chair: TBA		
4:10 PM - 4:25 PM	TBA	
4:25 PM - 4:40 PM	TBA	
4:40 PM - 4:55 PM	TBA	

4:55 PM - 5:10 PM	TBA	
5:00 PM - 7:00 PM	Poster Session and Reception	
SUNDAY, JUNE 1, 2014		
8:00 AM - 9:45 AM	Session 5: Stress Resistance And Signaling; Key Indicators Of Longevity	
	Chair: Keith Blackwell Co-Chair: Kaitlyn Lewis	
8:05 AM - 8:25 AM	<i>How SKN-ny worms avoid wrinkles"?</i>	Keith Blackwell, Harvard
8:25 AM - 8:45 AM	<i>Molecular mechanisms of the pro-longevity response to mitochondrial ROS in C. elegans</i>	Siegfried Hekimi, McGill University.
8:45 AM - 9:05 AM	<i>Deciphering DAF-16/FoxO transcriptional networks to understand ageing in C. elegans. BSRA Korenchevsky</i>	Jennifer Tullet, University College of London
9:05 AM - 9:25 AM	<i>A role for the UPRmt in counting mitochondria. Do old cells lose count?</i>	Cole Haynes, MSKCC
9:25 AM - 9:45 AM	Panel Discussion	
9:45 AM - 10:10 AM	Tea	
10:10 AM - 12:15 PM	Session 6: Teaching Old Models New Tricks	
	Chair: Gro Amdam	
10:15 AM - 10:35 AM	<i>The Curious Case of Aging Phenoplasticity in Bees</i>	Gro Amdam, Arizona State University
10:35 AM - 10:55 AM	<i>Comparative biology of cytoprotective regulation and its role in rodent longevity.</i>	Kaitlyn Lewis, UTHSCSA
10:55 AM - 11:15 AM	<i>Molecular adaptations of mammalian hibernation; links between metabolic depression and aging</i>	Michael Wu, Carleton University, Canada
11:15 AM - 11:35 AM	<i>Warming up to heat shock proteins in determining healthspan!</i>	Kylie Kavanagh, wakeforest
11:35 AM - 11:55 AM	<i>Forever Young, What Turtles Can Tell Us About Aging.</i>	Ken Storey, Carleton University
11:55 AM - 12:15 PM		
12:15 PM - 1:30 PM	Denham Harman Award Lecture and Luncheon	
1:30 PM - 3:10 PM	Session 7: The Forgotten 'Ome, Small Molecules in Aging	
	Chair: Shane Rea	
1:50 PM - 2:10 PM	<i>Metabolomics of Aging in the Common Marmoset</i>	Dean Jones, Emory University
2:10 PM - 2:30 PM	<i>The chemical language of worms: How small-molecule sensing controls aging</i>	Frank Schroeder, Cornell

2:30 PM - 2:50 PM	<i>Uncovering the mechanisms of a novel peptide encoded in the mitochondrial genome: navigating with a metabolomics map</i>	Changhan David Lee, USC
2:50 PM - 3:10 PM	<i>Global metabolomics provides insights on aging pathways and disease management.</i>	Lining Guo, Metabolon
3:10 PM - 3:40 PM	Tea	
3:40 PM - 5:25 PM	Session 8: Molecular Chaperons and Aging	
	Chair: Ric Morimoto	
3:45 PM - 4:05 PM	<i>Role of Stress Responses and Chaperone Networks in Aging and Disease</i>	Ric Morimoto, North western University
4:05 PM - 4:25 PM	<i>Pontin and Reptin – novel chaperones in the aggresome pathway?</i>	Michael Sherman, Boston University
4:25 PM - 4:45 PM	<i>The role of long-lived proteins in aging</i>	Martin Hetzler, SALK
4:45 PM - 5:05 PM	<i>Novel age-related mechanisms for heat shock protein transcription</i>	Heeyoun Bunch, Harvard
5:05 PM - 5:25 PM	Panel Discussion	
5:30 PM - 7:30 PM	Poster Session and Reception	
	Student Data Blitz	
	MONDAY, JUNE 2, 2014	
8:00 AM - 9:45 AM	Session 9: The Gut Microbiome and its Role in Immunity, Inflammation and Aging	
	Chair: Janko Nikolich-Zugich Co-Chair: TBA	
8:05 AM - 8:25 AM	<i>Using resistant starch to improve healthspan via changes in gut microbiota and fermentation</i>	Roy Martin, Louisiana State University AgCenter
8:25 AM - 8:45 AM	<i>Genomic Studies of the Human Microbiome and Disease</i>	George Weinstock, Jackson Laboratory for Genomic Medicine
8:45 AM - 9:05 AM	<i>The Age effect on Gut Microbiota-triggered Autoimmunity</i>	Joyce Wu, Arizona University College of Medicine
9:05 AM - 9:25 AM	<i>Age-related decline of regeneration and proliferative homeostasis: lessons from Drosophila</i>	Heinrich Jasper, Buck Institute
9:25 AM - 9:45 AM	Panel Discussion	
9:45 AM - 10:05 AM	Tea	
10:00 AM - 11:50 AM	Session 10A: Nathan Shock Symposium	
	Chair: Felipe Sierra	

10:00 AM - 10:10 AM	<i>2015 Renewal of Nathan Shock Centers</i>	Felipe Sierra, National Institute on Aging
10:10 AM - 10:30 AM	<i>Improving Cardiac Healthspan by Interventions that Enhance Mitochondrial Function.</i>	Ying Ann Chiao, University of Washington
10:30 AM - 10:50 AM	<i>A Strange Case of Immune Suppression: Rapamycin's Effects on Immunity During Aging</i>	Adriana Benavides, U. Texas Health Science Center, San Antonio
10:50 AM - 11:10 AM	<i>Aging interventions in genetically diverse mice</i>	Gary Churchill, The Jackson Labs
11:10 AM - 11:30 AM	<i>Identification of Neurosensory Mechanism for Dietary Protein by Drosophila Melanogaster</i>	Scott Pletcher, University of Michigan
11:30 AM - 11:50 AM	<i>Hypothalamic inflammation in aging and lifespan control.</i>	Dongsheng Cai, Einstein College of Medicine, Yeshiva University
10:05 AM - 11:55 AM	Session 10B: Translational medicine to improve healthy aging	
	Chair: Nick Musi	
10:25 AM - 10:45 AM	<i>stem cell approaches to understanding and treating neurodegenerative diseases of aging</i>	Larry Goldstein, UCSD
10:45 AM - 11:05 AM	<i>Harnessing the mitochondrial peptidome to address aging and related diseases</i>	Pinchas Cohen, USC
11:05 AM - 11:25 AM	<i>Interventions to protect against sarcopenia</i>	Charlotte Peterson, UKY
11:25 AM - 11:45 AM	<i>Role of NFkB on aging-related pathologies</i>	Nick Musi
11:45 AM - 11:55 AM	Panel Discussion	
11:55 AM - 12:45 PM	Session 11: Special Lecture- James Joseph Address	
	Ana Rodriguez-Mateos	
	Dietary polyphenols for healthy aging: evidence from human intervention studies	
12:45 PM - 1:00 PM	Award Ceremony: Fellows and student awards	
	MAIN CONFERENCE CLOSES	