

2019 AGE Poster Listing

Poster Session 1

Poster #	Last Name	First Name	Poster Title
1	Bitto	Alessandro	Rapamycin prevents diet-induced obesity by activating C/EBP β -LAP
2	Brown	Chase	Alternative splicing in transcriptomic age predictions
3	Brown	Lemuel	Skeletal Muscle Morphology and Inflammation is Altered in Sarcopenic Mice Throughout Muscle Regeneration
4	Cai	Xiaoyu	AWD regulates the timed activation of BMP signaling in intestinal stem cells to maintain tissue homeostasis
5	Calderon	Mario	A Notch-independent Delta signal maintains the blood-brain barrier
6	Chen	Chiao-Nan (Joyce)	Effects of age and caloric restriction on mTOR and ubiquitin-proteasome pathways in skeletal muscles
7	Cheng	Catherine	Sexual Dimorphism and Age Specificity in the Response to Lifespan-Extending Drugs in Genetically Heterogeneous Mice
8	Chiao	Ann	Late-life Rapamycin Treatment Improves Diastolic Function in Old Murine Hearts by Modulating Myocardial Stiffness and Cardiomyocyte Relaxation
9	Chocron	Sandra	Mitochondrial Thioredoxin Reductase 2 overexpression enhances glucose metabolism in mice
10	Choi	Christopher	Defining a novel metabolic role for longevity regulator flavin-containing monooxygenase-2
11	Corrigan	Rachel	Evaluation of CNS Blockade of AMYR on Pramintide function in Alzheimer's Disease
12	Csipo	Tamas	Generalized endothelial dysfunction as a mechanism of cognitive decline in older adults
13	Cummings	Nicole	Decreased consumption of branched-chain amino acids promotes lifespan and healthspan in wild-type and progeroid mice
14	Dasgupta	Nirmalya	Investigation of histone chaperone HIRA points to novel links between mechanisms of SASP control in senescent cells and anti-virus intrinsic immunity
15	Datta	Dibyadeep	Loss of PDE4D regulation of cAMP-PKA-calcium signaling in the aging association cortex: Critical role in cognitive decline
16	Davenport	Baylea	Blood:cerebrospinal fluid integrity in klotho-deficient mice
17	Dong 1	Yue	Global Metabolic Shifts in Age and Alzheimer's Mouse Brains Pivot at NAD(P)H Redox Sites
18	Dong 2	Yue	Reversibility of Age-related Oxidized Free NADH Redox States at Subcellular Compartments in Alzheimer's Disease Neurons by Imposed External Cys/CySS Redox Shifts
19	Dorigatti	Jonathan	β -GPA: An AMPK Activator with Potential Sex-Specific Effects on Health-span and Function
20	Flores	Victoria	Regulation of body weight and composition by dietary histidine
21	Furber	John	Systems Biology of Human Aging - Network Model 2019
22	Goyer	Marie-Lyn	Assessment of Senescent Cells Immunogenicity in Autologous Humanized Mouse Models
23	Green	Cara	Sex and Strain Determine the Metabolic Response to Dietary Protein Level
24	Gribble	Kristin	Proteasome expression, activity, and abundance decline with age in a novel model system for aging
25	Grizzanti	John	Role of central amylin receptor activation in the regulation of the AD-related function and pathology under diet-induced metabolic stress
26	Haller	Samantha	Transient mTORC1 activation during regeneration leads to age-related somatic stem cells loss
27	Havas	Aaron	Inflammation and Epigenetic changes are candidate cooperative drivers of age-associated stress and disease
28	Hodge	Brian	Dietary Restriction Delays Age-Related Visual Senescence in a Circadian Clock Dependent Fashion
29	Hu	Daniel	Control of cell fate by mitotic spindle repositioning influences epithelial homeostasis and longevity
30	Hussong	Stacy	Age-related preservation of motor nerve conduction velocity in neuronal mTORC1 knockdown mice
31	Jalloh	Ahmad	Pathway Analysis Reveals Therapeutic Effects of NT-020 on Aging Microglia
32	Jones	Stephen	The aging-independent lifespan and epigenetic regulation of a symmetrically dividing eukaryote
33	Katheder	Nadja	Investigating the connections between metabolism, microbiota and stem cell behavior in the aging Drosophila intestine
34	Kim	Dong E (Clare)	Role of ERCC1 in the Regulation of Cellular Senescence and Apoptosis in Human Fibroblasts and in Mouse Skin
35	Krug	Johannes	A transparent and short-lived killifish to study aging and regeneration
36	Kulkarni	Ameya	Investigating tissue-specific and systemic multi-omic responses to Metformin and Acarbose in short-term mouse interventional studies
37	Kumagai	Hiroshi	Mitochondrial-DNA-m.1382-A>C polymorphism in the MOTS-c is associated with visceral fat area and blood pressure in Japanese men
38	Lasick	Kathleen	The Dynamics of FOXO Transcription Factors in Response to Different Cellular Stresses
39	Le	David	Characterization of aging in C57BL/6 mice and mechanistic insights into age-related cognitive decline
40	Ledee	Dolena	Sex-specific differences in the heart in response to thyroid hormone in aged mice.
41	Lee	Mitchell	Pterocarpus marsupium extract (PME) and pterostilbene extend yeast replicative lifespan
42	Lidsky	Peter	Can aging be an adaptation? An insight from epidemiological modeling
43	Liu	Haiming	Ghrelin Prevents Adipose Tissue Wasting in Cancer Cachexia
44	Logan	Sreemathi	Central and Peripheral Effects of IGF-1 Deficiency on Tissue Mitochondrial Function
46	Maksoud	Elie	A Neuron-Glial Trans-Signaling Cascade Mediates LRRK2-Induced Neurodegeneration
45	Makosa	Dawid	Sirtuin 3 modulation of chondrocyte stress responses

Poster Session 2

Poster #	Last Name	First Name	Poster Title
47	Miller	Brendan	Comparing mitochondrial and nuclear DNA for genetic ancestry correction in genetic association studies
48	Morris	Otto	Mitochondrial Ca ²⁺ Regulates Stem Cell Metabolism and Maintains Intestinal Homeostasis
49	Nagare	Rohan	Nocturnal melatonin suppression by adolescents and adults for different levels, spectra, and durations of light exposure
50	Natarajan	Vaishaali	Pluripotent stem cell-secretome rejuvenates aged hematopoietic stem cells
51	Olson	Angela	Tau-Induced Astrocyte Senescence: A Novel Mechanism for Neuronal Dysfunction in Alzheimer's Disease
52	Paredes	Daniel	Polyamines in Down Syndrome-Alzheimer's Disease.
53	Pence	Brandt	GDF-15 is Correlated with Monocyte Immunosenescence Indicators
54	Pharaoh	Gavin	Identifying and Inhibiting Muscle Hydroperoxides to Protect Against Muscle Atrophy
55	Piekarz	Katarzyna	Troponins as potential transcription factors relevant to the age-related α -motor neuron loss
56	Porter	Hunter	The Biology Behind the Epigenetic Clock

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57	Radke	Amanda	Contrasting Rationale for Mitochondrial Heterogeneity Between Age and a b-amyloid Expressing Mouse Model
58	Rainbolt	Kelly	The robust chaperone network of neural stem cells is rewired by differentiation and aging
59	Rajabian	Nika	Bioengineered senescent skeletal muscle tissue model for assessing therapeutic compounds.
60	Rhoads	Tim	Caloric restriction drives metabolic reprogramming to prevent age-related muscle mass loss in rhesus monkeys
61	Riordan	Ruben	Aggresome-Like Formation Promotes Resistance to Proteotoxicity in Cells From Long-Lived Species
62	Rockwood	Kenneth	Sex differences in the accumulation of laboratory deficits across the life course
63	Roopnarinsingh	Xianvan	Comparison of age prediction performance across genomic features
64	Ross	Grace	The Role of Nrf2 in Brain Cellular Senescence
65	Rossner	Ryan	The regulation and function of C. elegans flavin-containing monooxygenase-2.
66	Saccon	Tatiana	The role of life extending 17 α -Estradiol on ovarian aging in long-living and normal mice
67	Sathyaseelan	Deepa	Necroptosis, an inflammatory cell death pathway, is activated in a mouse model of increased oxidative stress and accelerated aging
68	Sessions	Garrett	Characterization of a physiologically-relevant cartilage explant model system for senescent cell induction and clearance
69	Shahini	Aref	NANOG Expression Ameliorates the Hallmarks of Aging
70	Sharma	Amit	Inhibition of ADAM19, a metalloprotease, not only modulates survival and health span in flies under genotoxic stress but also acts as a gatekeeper to modify the SASP and senescence in human cells
71	Stout	Michael	Estrogen receptor alpha is required for 17 α -estradiol-mediated metabolic benefits in male mice
72	Sutphin	George	Targeting tryptophan-kynurenine metabolism to extend lifespan and treat age-associated disease
73	Tarantini 1	Stefano	Astrocyte-specific disruption of IGF-1 signaling impairs neurovascular coupling responses in the mouse brain
74	Tarantini 2	Stefano	Nicotinamide mononucleotide (NMN) supplementation rescues cerebrovascular endothelial function and neurovascular coupling responses and improves cognitive function in aged mice
75	Tauc	Helen	Investigating changes in epigenetic and transcriptional states of aging Drosophila intestinal stem cells
76	Taylor	Destiney	Does the Association of Chronic Kidney Disease (CKD) Risk Factors and All-Cause Mortality Differ by Education Level?
77	Thompson	LaDora	Predicting frailty onset, prevalence and mortality risk in male and female mice
78	Treaster	Stephen	Leaving no stone unturned: Deep taxonomic phylogenomic analysis of Rockfishes and genetic regulation of exceptional aging
79	Vayndorf	Elena	A robotic system for high-throughput automated lifespan analysis in C. elegans.
80	Wang	Juan	Short term sleep deprivation predicts pharmacological resilience response in aging mice
81	Wasko	Brian	Cellular Consequences Resulting from Age-Associated Loss of pH Homeostasis
82	Weinkove	David	Measuring ageing during life not death: Automated quantification of C. elegans movement provides a novel approach to discover drugs that slow ageing
83	Wilson	Kenneth	Genome-wide analyses of lifespan and healthspan reveal a role for decima as a regulator of neuronal insulin-like peptide production
84	Yabluchanskiy	Andriy	Dynamic retinal vessel analysis approach to measure age-related neurovascular coupling impairment in healthy individuals
85	Yeganeh	Alexander	Sensitivity Of The Aging Brain To Amyloid Beta Oligomers Increases With Age.
86	Yousefzadeh	Matt	An aged immune system drives senescence and aging of solid organs
87	Yu	Ruofan	High throughput yeast replicative lifespan screen uncovers histone deacetylase complex HDA as novel regulator of aging
88	Yuan	Rong	Sex-specific effects of NRIP1 deletion in liver on metabolism and tumorigenesis
89	Yun	Jina	Cellular senescence and its impact on stem cells in mouse intestinal organoid culture
90	Zeng	Lu	Transcriptomic analysis of age-related gene expression changes reveals the similarity and difference between "common" and "healthy" aging
91	Zhang	Huiliang	Altered mitochondrial flash activity and mPTP opening in the aged heart, with reversal by elamipretide treatment
92	Zhu	Shouan	Knockdown of Sirtun3 in cartilage protects male mice against high-fat diet induced osteoarthritis
93	Zhu	Lida	Day-1 neutrophil response to cyclophosphamide aligns with resilience to aging in mice