

ARC-2023



5th World

AGING AND REJUVENATION CONFERENCE

July 17-18, 2023

FRANKFURT, GERMANY



Exhibitor

 ECHOLIGHT



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July 17, 2023- Day-1

Hall- München

Registrations (08:00 - 08:45)

Opening Remarks (08:45 - 09:00)

Keynote Session

Dr. RJ Tesi , CEO,
INmune Bio, USA

09:00- 09:30

Using enrichment criteria for clinical trials in aging: using biomarkers of peripheral inflammation to predict cognitive dysfunction

Prof. Brian Kennedy,
National University of Singapore, Singapore

09:30- 10:00

Comparing Interventions to Slow Human Ageing

Prof Moussa B. H. Youdim,
Technion-Faculty of Medicine, Israel

10:00- 10:30

Future Treatment of Alzheimer's Disease; Why Multi-Target Drugs

Group Photo @ Foyer

Refreshment Break (10:30-10:50) @ Foyer

Session Themes:

Anti-Aging Strategies and Drug Development
Geriatrics and Medicine

Chair:

Dr Eggehard Holler and Dr. Maurizio Simmaco

Charareh Pourzand, <i>University of Bath, United Kingdom</i>	10:50- 11:10	The intracellular labile ironome as a predictor of the level of skin photoaging in individuals: A powerful approach towards personalised sun protection
Stuart Maudsley, <i>Receptor Biology Lab - University of Antwerp, Belgium</i>	11:10- 11:30	The synergistic GIT2-RXFP3 signaling system – a protective receptor system controlling age-related DNA damage
Xianzhong Meng, <i>University of Colorado Anschutz Medical ,USA</i>	11:30- 11:50	Inflamm-aging: the impact on cardiac dysfunction following noxious insult
Maurizio Simmaco, <i>Sapienza University of Roma, Italy</i>	11:50- 12:10	Changing the Approach to Anticoagulant Therapy in Older Patients with Multimorbidity Using the Drug-PIN Precision Medicine Approach
Eggehard Holler, <i>Terasaki Institute for Biomedical Innovation, USA</i>	12:10- 12:30	Signature effects of vector-guided systemic nano Bioconjugate delivery across blood-brain barrier of normal, Alzheimer's and tumor mouse models.
Daniel Lee Jin Keat, <i>Khoo Teck Puat Hospital, Singapore</i>	12:30- 12:50	Geriatric Enhanced Recovery Interventions: A Ten-year Review of a Surgeon-led Geriatric Surgical Service
Carlos Mario Olarte, <i>Hospital Universitario Fundacion Santa Fe de Bogota, Columbia</i>	12:50- 13:10	Impact of a Secondary Prevention Program for Fragility Fractures at the Orthogeriatric Clinical Care Center at the Fundacion Santa Fe de Bogota, 2014-2020

Lunch (13:10-14:00) @ Vitruv Restaurant

Session Themes:
Age-Related Diseases
Dementia and Alzheimer's
Public Policy and Public Perspectives on Aging

Chairs:
Dr. Michal Elwertowski & Dr. Gordon Anderson

Alexander Kulminski, <i>Duke University, USA</i>	14:00- 14:20	Joint effects of the APOE E4 allele and TOMM40-APOC1 variants in the genetics of Alzheimer's disease
Jinan Li, <i>Talengen Institute of Life Sciences, Hong Kong</i>	14:20- 14:40	Plasminogen decreases A β 42 and Tau deposition, and shows multi-beneficial effects on Alzheimer's disease in mice and humans
Laura Bonfili, <i>University of Camerino, Italy</i>	14:40- 15:00	Can a prebiotic functional cookie enriched with probiotics counteract cognitive decline?
Michal Elwertowski, <i>Dept. of General Endocrine & Vascular Surgery Med. Univers. Warsaw, Poland</i>	15:00- 15:20	Volumetric Assessment of global intracranial flow in ageing patients with carotid artery stenosis
Fang Fang, <i>Shanghai Jiao Tong University School of Medicine, China</i>	15:20- 15:40	Associations between the use of β -adrenoceptor acting drugs and the risk of dementia in older population
Jared Sternecker, <i>Technische Universität Dresden, Germany</i>	15:40- 16:00	Loss of HSF1 and HSC70 contributes to the onset of ALS pathogenesis
Refreshment Break (16:00- 16:20) @ Foyer		
Lucia Scisciola, <i>University of Campania Luigi Vanvitelli, Italy</i>	16:20- 16:40	Adiponectin and Cognitive Decline

Gordon Anderson,
*University of Toronto,
Canada*

16:40- 17:00

Measuring the Progress of Health
Wellbeing: Health, Ageing and
Gender in 21st Century China

Lifang Hou,
*Northwestern University
Feinberg School of
Medicine, USA*

17:00- 17:10

YRF: Identifying relative
contributions of multiple lifestyle-
and health-related exposures to
epigenetic aging

Jifeng Dai,
*Kunming University of
Science and Technology,
China*

17:10- 17:20

YRF: Influence of Artery Shorten
with Aging on Senile Hypertension

Pannel Discussions

JUL 18, 2023 - DAY-2

HALL- München

Keynote Session

Prof. Shao Lin, *University at Albany, State University of New York, USA*

09:00-09:30

Environmental exposures to extreme weather, natural disasters, and ultra-fine particles and multiple health outcomes among aging population

Prof. Ricardo P. Garay,
Director of Research CNRS, Paris, & President of Craven, France

09:30-10:00

Recent clinical trials with investigational products intended to slow, stop or reverse normal aging processes

Prof. Yujian James Kang,
Tasly Stem Cell Biology Laboratory, China

10:00-10:30

Allogeneic ADSCs Therapy for Organ System Rejuvenation: Safety and Efficacy

Refreshment Break @ Foyer (10:30- 10:50)

Session Themes: Healthy Ageing
Chairs: Dr Kemly Philip & Prof. Ricardo P. Garay

Zsolt Peter Ori,
Ori diagnostic Instruments, LLC, United States

10:50-11:10

Medical Cybernetics for Healthy Aging with Lifestyle Interventions

Anthony D. Ho,
Ruprecht-Karls-University, Heidelberg, Germany

11:10-11:30

Aging of Human Hematopoiesis is Caused by a Subset of Non-primed Stem and Progenitor Cells with Senescence Signature

Alyt Oppewal, <i>Erasmus MC, University Medical Center Rotterdam, Netherlands</i>	11:30-11:50	The importance of being active and fit for healthy ageing in older adults with intellectual disabilities
Silvana Mirella Aliberti, <i>University of Salerno, Italy</i>	11:50-12:10	Older, Nonagenarians, and Centenarians in Cilento, Italy, and the direct or indirect influence of Natural Environmental Factors
Weiyun Chen, <i>University of Michigan, USA</i>	12:10-12:30	4Active Intervention for Promoting Physical Activity and Cognitive Flexibility among Older Adults
Karla Munoz Esquivel, <i>Atlantic Technological University, Ireland</i>	12:30-12:50	Analysing the human factors Influencing continue wearable device usage in Northern Old Populations
Kemly Philip, <i>McGovern Medical School at UTHHealth, USA</i>	12:50-13:10	Interventional Pain Management for Spine and Musculoskeletal Disorders in the Aging Population

Lunch @ Vitruv Restaurant (13:10-14:00)

Session Themes: Healthy Ageing -II

Chairs:
Dr. Anthony D. Ho, Dr. Yujian James Kang & Dr. Wanli Smith

Marion F. Krings, <i>Erasmus University ESHPM Rotterdam NL, The Netherlands</i>	14:00-14:20	Ageing in China
Imad Shams, <i>University of Haifa, Israel</i>	14:20-14:40	What can be learned from long-lived mammals: lessons from the blind mole rat

Wanli Smith, <i>Johns Hopkins University School of Medicine, USA</i>	14:40-15:00	Mutant TMEM230 induced neurodegeneration
Wu Xifeng, <i>Zhejiang University School of Medicine, China</i>	15:00-15:20	Development of a Novel Multidimensional Measure of Aging to Predict Mortality and Morbidity in the Prospective MJ Cohort
Luigi Residori, <i>AOUI Verona, Italy</i>	15:20-15:40	Hypoalbuminemia increases complications in elderly patients operated for hip fracture
Paola Pisani, <i>National Research Council, Institute of Clinical Physiology, Lecce, Italy</i>	15:40-16:00	The REMS - based Fragility Score (FS) parameter for the identification and prediction of bone fragility
Refreshment Break @ Foyer (16:00- 16:20)		
Motti Haimi, <i>Clalit Health Services, University of Haifa, Technion, Israel</i>	16:20- 16:40	Barriers and Challenges to Telemedicine Usage Among the Elderly Population
Oleg Medvedev, <i>Moscow State University, Russia</i>	16:40- 16:50	New mechanism of antioxidant effects of CoQ10 as an additional reason to use it in elderly
Closing Remarks - Day-2 Concludes		

DAY-2 PARALELL SESSION

JULY 18, 2023

HALL- TAUNUS

Session Themes:
Mechanisms of Aging at Molecular, Cellular or Organ levels

Chairs:
Dr. Weiwei Dang & Dr. MEI WAN

Steve Horvath , Altos Labs, USA	10:50- 11:10	Umbilical cord plasma concentrate has beneficial effects on DNA methylation GrimAge and human clinical biomarkers
MEI WAN , Johns Hopkins University School of Medicine, USA	11:10- 11:30	Oxylipin-PPAR γ -INK signaling as a trigger of Bone marrow adipocyte senescence
Christiane Hartmann , University Medical center Rostock, Germany	11:30- 11:50	Systematic estimation of biological age of in vitro cell culture systems by an age-associated marker panel
Laurence Arbibe , Institute Necker Enfants Malades, France	11:50- 12:10	A non-canonical RNA splicing signature uncovering aging marks in inflammatory bowel diseases
Angel Nunez , Universidad Autonoma de Madrid, Spain	12:10- 12:30	Cognitive deficits in aging are related with changes in basal forebrain and cortical activity. Participation of IGF-I signaling
Jerome LAMARTINE , CNRS University of Lyon, France	12:30- 12:50	The microRNA miR-30a plays a key role in human chronological skin aging by regulating cell differentiation, cell death and autophagy
Weiwei Dang , Baylor College of Medicine, USA	12:50- 13:10	Disruption of chromatin as a cause of aging

Lunch @ Vitruv Restaurant (13:10-14:00)

Chair:
Dr. Tamara Tchkonja

Maximina H.Yun,
*CRTD & MPI-CBG,
Germany*

14:00- 14:20

Towards uncovering the basis of negligible senescence in vertebrates: enter the salamander

Guo Huang,
*University of California,
San Francisco, USA*

14:20- 14:40

Novel insights from mammals of extreme longevity into organ regeneration

Tamara Tchkonja,
Mayo Clinic, USA

14:40- 15:00

Senescence and Mesenchymal Stem Cell Function: Challenges and Opportunities for Therapeutic Applications

Mohamed Khass,
*Western Michigan
university Homer Stryker
school of Medicine, USA*

15:00- 15:20

Accelerated bone loss is induced by loss of the early B cell protein $\lambda 5$ during aging

Margherita Borriello,
*University of Campania
"L. Vanvitelli"/Dept of
Precision Medicine, Italy*

15:20- 15:40

AGEs as a biomarker of aging-related diseases: classical and new methods for detection in biological fluids

Daiva Baltriukiene,
Vilnius University, Lithuania

15:40- 16:00

Diet and Aging Induced Neuroinflammation and its Modulation by Prebiotics

Refreshment Break @ Foyer (16:00- 16:20)

Closing remarks @ Hall- München

VIRTUAL PROGRAM

CENTRAL EUROPEAN SUMMER TIME – CEST TIME



Join Zoom Meeting

Virtual Room 1

July 17th & 18th

Meeting ID: 890 6125 7334

Passcode: 324732



Join Zoom Meeting

Virtual Room 2

July 18th

MEETING ID: 880 7690 7173

PASSCODE: 300504

Parallel Virtual Program

Day-1, July 17, 2023 (CEST- Frankfurt time zone)

Kazuyo Kanzaki Sooudi, <i>Iryo-Sosei University, Japan</i>	09:00-09:20	Abling factors for Older Adults working into older age in Japan: Discussion on outcomes of the studies conducted 2019-2022.
Akihiro Hirashiki, <i>National Center for Geriatrics and Gerontology, Japan</i>	09:20-09:40	Composite Biomarkers for Assessing Frailty Status in Stable Older Adults with Cardiovascular Disease
Juan Gu, <i>Affiliated Hospital of Zunyi Medical University, China</i>	09:40-10:00	Prescription of potentially inappropriate medicines and comparison with lists of essential medicines for treatment of chronic disorders in older patients
Lingjing JIN, <i>Tongji University, China</i>	10:00-10:20	Efficacy of single-photon emission computed tomography aided botulinum toxin injection in cervical dystonia: A double-blind, randomized study
Samuel T.H Chew, <i>Changi General Hospital, Singapore</i>	10:20-10:40	Singapore multidisciplinary consensus recommendations on muscle health in older adults – assessments and multimodal targeted interventions across the continuum of care
Soumyabrata Banerjee, <i>Vidyasagar University, India</i>	10:40-11:00	Carnosine acts differently in young and aged brain regional serotonergic activity
Snehal Kulkarni, <i>Dr. Vishwanath Karad, MIT World Peace University, Pune, India</i>	11:00-11:20	Effect of a video-assisted fall prevention program on fall incidence in communitydwelling older adults in India

Popescu Ana, <i>Medicine and Pharmacy State University "Nicolae Testemitanu", Moldova</i>	11:20-11:40	Multimorbidity related to frailty syndrome in the elderly
Enrico Sella, <i>Department of General Psychology University of Padova, Italy</i>	11:40-12:00	Emotion regulation, optimism and hope in young and older adults one year after the COVID-19 pandemic declaration
Elena Carbone, <i>Department of General Psychology University of Padova, Italy</i>	12:00-12:20	Cognitive Stimulation Therapy (CST): Its efficacy for people with mild-to- moderate dementia and the role of individual characteristics.
Sanjush Dalmia, <i>University of Leeds, UK</i>	12:20-12:40	A critical review of anti-aging interventions in the IGF-1 and insulin pathways in mice
Erika Borella, <i>Department of General Psychology University of Padova, Italy</i>	12:40-13:00	The new Current and Retrospective Cognitive Reserve (2CR) survey and its relationship with cognitive and mood measures in adulthood and older age
Jan W. Van Tongeren, <i>Ex-Head National Accounts and Classifications, UN Statistics Division, Netherlands</i>	13:00-13:20	Projections to 2025 of the household sector within the Dutch economy
Noelle Probert, <i>Orebro University, sweden</i>	13:20-13:40	Surgical-site infection after hip fracture surgery; preoperative full- body disinfection compared to local disinfection of the surgical site.
Jonah Max Cooper, <i>University of Chicago/ NorthShore University HealthSystem, USA</i>	13:40-14:00	Idiopathic breast fibroadenoma in an elderly male
Nansi Felton, <i>University of the West of England, United Kingdom</i>	14:00-14:20	Falls prevention for community dwelling individuals with cognitive impairment: a qualitative enquiry

Gessica Cazuza De Medeiros, <i>Universidade Federal de Pernambuco, Brazil</i>	14:20-14:40	Antiparkinson drugs use and adherence in older adults and associated factors: an integrative review
Camila Feldberg Porto, <i>State University of Minas Gerais, Brazil</i>	14:40-15:00	The kitchen and the elderly: universal design of environment and products
Guichun Han, <i>University of Pikeville-KYCOM, USA</i>	15:00-15:20	GPER agonist G-1 up-regulates compromised drug responses of the aortae in aging rats
Jeffrey Atkinson, <i>The Ohio State University, USA</i>	15:20-15:40	Aging glial cells in autoimmune demyelinating disease
Maddalena Parafati, <i>University of Florida, United States</i>	15:40-16:00	Skeletal Muscle Microphysiological System to Model Sarcopenia
Shilpa Buch, <i>University of Nebraska Medical Center, United States</i>	16:00-16:20	HIV-1 Tat induced HIF-1-lncRNA BACE 1-AS mediated astrocytic amyloidogenesis: Implications for Alzheimer's like neuropathology in HIV
Iva Neupane, <i>Brown University, USA</i>	16:20-16:40	A Model of Care to improve Survival of Older Trauma Patients: Geriatric Comanagement
Stephanie Planque, <i>Covalent Bioscience Inc, USA</i>	16:40-17:00	Hacking Natural Catabody Defenses to Treat and Prevent Alzheimer Disease
Girish C. Melkani, <i>University of Alabama at Birmingham, USA</i>	17:00-17:20	Time-restricted Feeding-mediated regulation of aging and obesity-linked cardiac/cognitive dysfunction
Lindsay Wilson, <i>University of North Carolina, USA</i>	17:20-17:40	Scholarly concentration programs in geriatrics

Bianca Acevedo, <i>University of California, Santa Barbara, USA</i>	17:40-18:00	Thinkie Cognitive Training Exercises Promote Improved Cognition in Older Adults
Anup Sharma, <i>Yale University, USA</i>	18:00-18:20	Promoter Methylation Markers For Malignant Stratification Of Intraductal Papillary Mucinous Neoplasms
Qianqian Song, <i>Wake Forest University School of Medicine, USA</i>	18:20-18:40	SMGR: a joint statistical method for integrative analysis of single-cell multi-omics data
Joshua Johnson, <i>University of Colorado- Denver, USA</i>	18:40-19:00	Combined Experimental and In Silico Approaches Reveal Control Mechanisms that Dictate the Rate of Ovarian Aging

**Parallel Virtual Program
Virtual ROOM- 1
Day-2, July 18, 2023 (CEST- Frankfurt time zone)**

Mengnan Li , Shijiazhuang Yiling Pharmaceutical Co., Ltd, China	09:20-09:40	Prospect of Traditional Chinese Medicine in Anti-Aging Application via Epigenetics Modification
Shuoshuo Li , Beijing University of Chinese Medicine, China	09:40-10:00	PVT1 alleviates hypoxia-induced endothelial apoptosis by enhancing autophagy via the miR-15b-5p/ ATG14 and miR-424-5p/ATG14 axis
XianJun Dai , China Jiliang University, China	10:00-10:20	Protective effect of Ginseng extract against ultraviolet irradiation to the female <i>Drosophila melanogaster</i>
Xiaolei Liu , West China Hospital, China	10:20-10:40	Nutrition mediates the relationship between number of teeth and sarcopenia: a pathway analysis
Matthew Zirui Tay , A STAR Infectious Diseases Labs, Singapore	10:40-11:00	COVID-19 immunity in the elderly
Izabela Kwiatkowska , Poznan University of Medical Sciences, Poland	11:00-11:20	Assesment of cardiovascular risk factors among healthy vegans, lacto/ ovo-vegetarians, pescatarians, and people on a mixed diet
Elena Zenaro , University of Verona, Italy	11:20-11:40	Exploring the Role of the Neutrophils in Alzheimer's Disease Pathogenesis
Arshan Dadrewalla , Imperial College Healthcare NHS Trust, UK	11:40-12:00	Quality Improvement- Bone Health Assessment in Patients Over 65years With a Fall
Claudia Rubie , Saarland University, Germany	12:00-12:20	DNA methylation in lymphoblastic cell lines of Werner syndrome patients
Gabriele Mayer , Freiburg, Germany	12:20-12:40	Course of Cognitive Consequences of Aging, biological and physiological explanation

Olga Yablonskaya, <i>Emanuel Institute of Biochemical Physics RAS, Russia</i>	12:40-13:00	Protective and stimulating effects of IR-irradiated water vapor on biological objects
Kissyla Harley Della Pascoa Franca, <i>Federal University of Rio de Janeiro, Brazil</i>	13:00-13:20	The discourse of nursing students about the palliative care with the hospitalized elderly
Roberto Lauande Pimentel, <i>Univisao/Unime, Brazil</i>	13:20-13:40	Selective Laser Trabeculoplasty versus Micropulse Laser Trabeculoplasty for Intraocular Pressure Control in Patients with Primary Open Angle Glaucoma: A 12- month Retrospective Comparative Study
Samuel Frank, <i>Beth Israel Deaconess Medical Center/ Harvard Medical School, USA</i>	13:40-14:00	Diagnostic and Therapeutic Lumbar Punctures in Neurodegenerative Diseases
Sydney Koop Richardson, <i>Director National LGBTQ+ Elder Housing Initiative ,USA</i>	14:00-14:20	Addressing Access and Inclusion for LGBTQ+ Older Adults in Housing and Long-Term Care Communities
Nadia Mujahid, <i>Warren Alpert Medical School of Brown University, United States</i>	14:20-14:40	When to opt for preemptive anticoagulation with SARS-CoV-2 infection in the long-term care faciliti
Madonna Harrington Meyer, Syracuse <i>University, USA</i>	14:40-15:00	Measuring US Old Age Food Insecurity
Neda Moinolmolki, <i>Albertus Magnus College, USA</i>	15:00-15:20	Surgical-site infection after hip fracture surgery; preoperative full- body disinfection compared to local disinfection of the surgical site.
Kenneth B. Storey, <i>Carleton University, Canada</i>	15:20-15:50	Keynote Talk: Suspended in time: Molecular responses to hibernation also promote longevity

James L. Kirkland , <i>Mayo clinic, USA</i>	15:50-16:20	Keynote Talk: Cellular Senescence, Senolytics, and COVID-19
Lei Zhang, <i>University of Minnesota, USA</i>	16:20-16:40	Developing novel senotherapeutics by drug screening, drug design, and machine learning
Deepa Sathyaseelan, <i>OUHSC, USA</i>	16:40-17:00	Necroptosis-mediated inflammation as a possible driver of hepatocellular carcinoma in aging
Hyunmin Kim, <i>The University of Southern Mississippi, USA</i>	17:00-17:20	Impact of the Affordable Care Act on participation in the Supplemental Nutrition Assistance Program among low-income older Medicare beneficiaries
Janie Steckenrider, <i>Loyola Marymount University, USA</i>	17:20-17:40	Aging and sexuality: conflicting definitions
Lingyan Shi, <i>UC San Diego, USA</i>	17:40-18:00	Multimodal Microscopy and Its Applications in Studying Aging".
Nathaniel Johnson, <i>University of North Dakota, USA</i>	18:00-18:20	Self-reported limitations in activity among older North Dakotans is associated with living alone and in rural counties
Solange Campos Romero, <i>Pontificia Universidad Católica de Chile</i>	18:20-18:40	Self-care: the need ignored by family caregivers
Sanjay Pandey, <i>Albert Einstein College of medicine, USA</i>	18:40-19:00	Energy restriction mimetic 2-deoxy-D-Glucose (2-DG) prevents tissue damage and inflammation associated with host responses to Pathogen Associated Molecular Patterns (PAMPs)-Implications in Ageing

Virtual Room-2
Parallel Virtual session, July 18, Frankfurt time
Meeting ID: 880 7690 7173
Password: 300504

Lucia Scisciola, <i>University of Campania Luigi Vanvitelli, Italy</i>	10:20-10:40	Adiponectin and Cognitive Decline
ZHANG XINFANG, <i>Tohoku University, Japan</i>	10:40-11:00	YRF: An Analysis of the Impacts of the Long-term Care Fees Revision in Japan
Katja Kassem-Trautmann, <i>Plastische Chirurgie Zug, Switzerland</i>	11:00-11:20	Widening eye lids and reducing tearing in the elderly through retro-bulbar injections of fillers*
Giulia Grisendi, <i>University of Modena and Reggio Emilia, Italy</i>	11:20-11:40	Impact of soluble tumor necrosis factor-related apoptosis-inducing ligand released by engineered adipose mesenchymal stromal cells on white blood cells.
Paola Pisani, <i>National Research Council, Institute of Clinical Physiology, Lecce, Italy</i>	11:40-12:00	The REMS - based Fragility Score (FS) parameter for the identification and prediction of bone fragility
Ildiko Bock-Marquette, <i>University of Pecs Medical School, Hungary</i>	12:00-12:20	Thymosin beta-4 - a promising tool towards developing anti-aging regenerative therapies
Anna Tylutka, <i>University of Zielona Gora, Collegium Medicum, Poland</i>	12:20-12:40	Lifestyle exercise attenuates immunosenescence; flow cytometric diagnostics
Jose Antonio Sanchez Alcazar, <i>Universidad Pablo de Olavide, Spain</i>	12:40-13:00	Therapeutic approach with commercial supplements for pantothenate kinase-associated neurodegeneration with residual PANK2 expression levels.

Wanli Smith, <i>Johns Hopkins University School of Medicine, USA</i>	13:00-13:20	Mutant TMEM230 induced neurodegeneration
Wen-jun Shen, <i>Stanford University/ VAPAHCS, USA</i>	13:20-13:40	Seipin and cholesterol lipid droplet formation and utilization
Rodolfo G Goya, <i>National University of La Plata (UNLP), Argentina</i>	13:40-14:00	Cognitive and methylome rejuvenation in old rats by hippocampal oskm gene therapy
Lei Xie, <i>Cornell University, USA</i>	14:00-14:20	AI, Omics, and Anti-Aging Systems Medicine
Derik L. Davis, <i>University of Maryland School of Medicine, USA</i>	14:20-14:40	The role of shoulder dysfunction in decline of health-related quality of life and mobility among older adults: preliminary results
Osama A Abulseoud, <i>Mayo Clinic, United States</i>	14:40-15:00	Sex-difference in the effect of social drinking on structural brain aging and cognitive function in older individuals free of cognitive impairment
Bharathi Upadhy, <i>Duke University, USA</i>	15:00-15:20	Exercise training for prevention and treatment of older adults with heart failure with a preserved ejection fraction
Xiufang Guo, <i>University Of Central Florida, USA</i>	15:20-15:50	Hyperglycemia Negatively Affects IPSC-Derived Myoblast Proliferation and Skeletal Muscle Regeneration and Function
Adam Bohnert, <i>Louisiana State University, USA</i>	15:50-16:20	Tubular lysosome induction couples animal starvation to healthy aging
Susmita Sil, <i>University of Nebraska Medical Center, United States</i>	16:20-16:40	Progression of Alzheimer's like pathology via astrocyte-derived extracellular vesicles in HIV associated neurocognitive disorders

Anna Peljto, <i>University of Colorado Anschutz Medical Campus, USA</i>	16:40-17:00	Idiopathic pulmonary fibrosis is associated with common genetic variants and limited rare variants
Keigo Machida, <i>University of Southern California, Dept. Molecular Microbiology and Immunology, USA</i>	17:00-17:20	Immunotherapy and Microbiota for Targeting of Liver Tumor-Initiating Stem-Like Cells
Justyne Decker, <i>University of Southern California, USA</i>	17:20-17:40	Beyond Cognitive Screening: How to Establish a Interprofessional Perioperative Brain Health Initiative Pathway
Vera Chesnokova, <i>Cedars-Sinai Medical Center, USA</i>	17:40-18:00	Growth hormone role in the aging tissue microenvironment
Aiguo Tian, <i>Tulane University, USA</i>	18:00-18:20	Damage-induced regeneration of the intestinal stem cell pool through enteroblast mitosis in the Drosophila midgut
Theresa L Whiteside, <i>University of Pittsburgh Hillman Cancer Center, USA</i>	18:20-18:40	Sequestration of Extracellular Vesicles by Brain and Tissues: Pharmacokinetics, Vascular Landscape and Effects of Inflammation
Christopher Gabel, <i>Boston University, USA</i>	18:40-19:00	Imaging the breakdown of nervous system dynamics with age in C. elegans
Saurav Keshari Aryal, <i>Howard University, USA</i>	19:00-19:20	Exploring Linear and Kernel-based Models for MMSE Score Prediction - A comparative Analysis
M. J. Mcmanus, <i>Children's Hosp. of Philadelphia, Philadelphia, USA</i>	19:20-19:40	Noninvasive detection of oxidative stress with [18F]ROStrace predicts advanced progression of Alzheimer's disease pathology in female mice

Exhibitor



Created as a spin-off of the Italian National Research Council, Echolight is at the forefront of medical innovation, introducing new cutting-edge solutions to contribute to human wellbeing. Echolight has developed the very first non-invasive solution for bone strength assessment and early diagnosis of Osteoporosis. EchoS is a break through device for bone characterization and micro architecture assessment through an innovative approach that enables the scanning of central reference sites (lumbar vertebrae and proximal femur). EchoS is the only solution capable of combining the advantages of the two main existing technologies (i.e. DXA), allowing our approach to bring axial bone densitometry at the point of care, with a significant beneficial impact on current diagnostic protocols and subsequent patient management. EchoS is based on the new proprietary method R.E.M.S. (Radiofrequency Echographic Multi Spectrometry): an innovative ultrasound (US) approach to the diagnosis of Osteoporosis, which integrally exploits all the spectral features of the “raw” radiofrequency (RF) signals acquired during an echographic scan of the target anatomical site to determine the status of internal bone architecture.

Developed by a committee coordinated by the Italian National Institute of Health (ISS), guided by prestigious Scientific Organisations and Clinical Bodies, the “Diagnosis, risk stratification and continuity of care for Fragility Fractures” guidelines are the most advanced recommendations of good clinical practice for fragility fracture risk assessment. This marks the beginning of new way of managing assessment of bone condition through prevention, early diagnosis of osteoporosis, and monitoring of bone health in primary care, either comfortably in the clinic or directly in the patient’s bed at home.



Ufficio Amministrativo

ECHOLIGHT SPA

Legal Office and Operative Headquarter: Viale Cipro 6, 73100 Lecce, Italy

Operative headquarter II: Campus Ecotekne, Via per Monteroni, 73100 Lecce, Italy

*We wish to
see you again at*

**6th World
AGING AND REJUVENATION
CONFERENCE**

July 15-16, 2024 PARIS, FRANCE

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