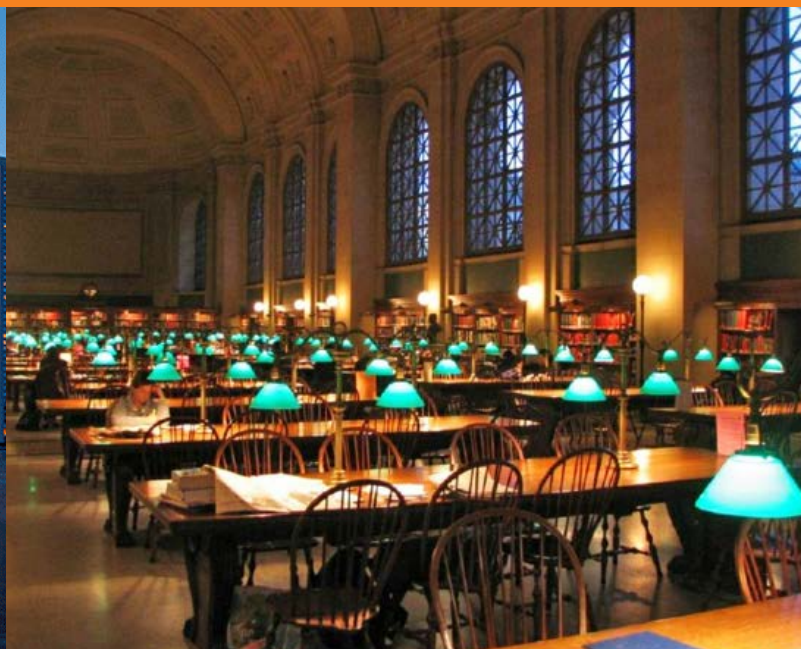


# ICFSR 2022

International Conference on  
**Frailty & Sarcopenia Research**

April 20-22, 2022 Boston, MA, USA



**ON SITE IN BOSTON**  
and live online via the ICFSR digital platform



**Meeting Place:**  
**Hotel REVERE 200 Stuart St, Boston, MA 02116, USA**

All abstracts and proceedings will be published in the Journal of Frailty Aging (JFA)

**JFA**

[www.jfrailtyaging.com](http://www.jfrailtyaging.com)

[www.icfsr.com](http://www.icfsr.com)

## ONLINE ORAL COMMUNICATIONS

### **Prevalence of Sarcopenia and its Association with Antirheumatic Drugs in Middle-Aged and Older Adults with Rheumatoid Arthritis: A Systematic Review and Meta-analysis**

**Thang Dao**, Department of Medicine-Western Health, Melbourne Medical School, University of Melbourne, St Albans, Australian Institute for Musculoskeletal Science (AIMSS), University of Melbourne and Western Health (Australia)

### **Effects of an Individualised Exercise Programme Plus Behavioural Change Enhancement (BCE) Strategies for Managing Fatigue in Frail Older Adults: A Cluster Randomized Randomised Controlled Trial**

**Justina YW Liu**, Centre for Gerontological Nursing, School of Nursing, Hong Kong Polytechnic University, Hong Kong, (China)

### **Influence of IGF-I serum concentration on muscular regeneration capacity in patients with sarcopenia**

**Michael Drey**, Department of Medicine IV, Geriatrics, University Hospital of LMU Munich, (Germany)

### **Association between frail status and outcomes following COVID-19 infection among US Veterans**

**Catherine Park**, PhD, Center for Innovations in Quality, Effectiveness and Safety, Michael E. DeBakey VA Medical Center, Houston, TX -Baylor College of Medicine, Houston, Texas, USA - Michael E. DeBakey VA Medical Center, Houston, Texas, USABig Data Scientist Training Enhancement Program, VA Office of Research and Development, Washington, DC (USA)

### **Sex differences in vastus lateralis muscle during ageing are predominantly quantitative rather than qualitative**

**Jelle CBC de Jong**, Human and Animal Physiology, Wageningen University, Wageningen, the Netherlands, Department of Metabolic Health Research, The Netherlands Organization for Applied Scientific Research (TNO), Leiden, (the Netherlands)

### **Combined Vitamin D, omega-3 fatty acids and a simple home strength exercise program may reduce cancer risk among active adults age 70 and older: a randomized clinical trial**

**Heike A. Bischoff-Ferrari MD, PhD**, Centre on Aging and Mobility, University of Zurich and City Hospital Zurich, Waid Zurich, Department of Aging Medicine and Aging Research, University of Zurich and University Hospital, Zurich, University Clinic for Aging Medicine, City Hospital Zurich, Waid, Zurich, (Switzerland)

## ONLINE SYMPOSIUM

### **IMPROVING PROTEIN INTAKE OF OLDER ADULTS: METABOLIC ASPECTS AND IMPACT ON APPETITE AND PHYSICAL FUNCTIONING**

Moderator: **Marjolein Visser**, PhD, Department of Health Sciences, Vrije Universiteit Amsterdam, Amsterdam (the Netherlands)

#### **• Optimization of protein intake in the elderly beyond the amino acid composition: what is the positioning of plant proteins and under what conditions?**

**Dominique Dardevet**, PhD, U. Clermont Auvergne, INRAE, UMR1019, Unite Nutrition Humaine, Clermont-Ferrand (France)

#### **• Innovative plant protein fibre and physical activity solutions to address poor appetite and prevent undernutrition in older adults: the APPETITE project**

**Dorothee Volkert**, PhD, Institute for Biomedicine of Aging, Friedrich-Alexander-Universitat, Nuremberg, (Germany)

#### **• The effectiveness of personalized dietary advice to increase protein intake on change in physical functioning in community-dwelling older adults**

**Marjolein Visser**, PhD, Department of Health Sciences, Vrije Universiteit Amsterdam, (the Netherlands)

## ONLINE ORAL COMMUNICATIONS

### **Effects of transdermal testosterone and/or monthly vitamin D on fall risk in pre-frail hypogonadal men age 65 and older: a double blind 2x2 factorial design randomized placebo-controlled trial.**

**Heike A. Bischoff-Ferrari**, MD, DrPH, Centre on Aging and Mobility, University of Zurich and City Hospital Zurich, Waid Zurich, Department of Aging Medicine and Aging Research, University of Zurich and University Hospital, Zurich, University Clinic for Aging Medicine, City Hospital Zurich, Waid, Zurich, (Switzerland)

### **Risk and type of fractures associated with Osteosarcopenia in community-dwelling older adults**

**Simon Zhang**, MD Student, Department of Medicine, Western Health, Melbourne Medical School, University of Melbourne, St Albans, Melbourne, Australian Institute for Musculoskeletal Science (AIMSS), University of Melbourne and Western Health, St Albans, Melbourne, VIC, (Australia)

### **Longitudinal analysis of frailty frequency and association with disability in a large cohort of older adults: the Italian Longitudinal Study on Aging**

**Lucia Galluzzo**, MA, Department of Cardiovascular, Endocrine-Metabolic Diseases, Istituto Superiore di Sanita, Rome, (Italy)

### **The role VEGF-A in regenerative failure of aged skeletal muscle**

**Yori Endo**, Division of Plastic and Reconstructive Surgery, Department of Surgery, Brigham and Women's Hospital, Harvard University, Boston, MA, (USA)

### **Declined Intrinsic Capacity Predicts Long-term Adverse Outcomes in a Longitudinal Study with 8-year follow-up: Results from BLSA**

**Lina Ma**, Xuanwu Hospital Capital Medical University, National Clinical Research Center for Geriatric Disorders, (China)

### **Association of Baseline Frailty Status and Age with Postoperative Outcomes in Metastatic Brain Tumor Patients: A NSQIP analysis of 5,943 patients**

**Christian A. Bowers**, MD, Department of Neurosurgery, University of New Mexico Hospital, Albuquerque, New Mexico, (USA)

### **Nicotinamide N-methyltransferase inhibitor treatment combined with exercise improves muscle strength and running capacity in aged mice**

**Harshini Neelakantan**, Ridgeline Therapeutics, Houston, TX (USA)

### **Lysophospholipids and branched chain amino acids are associated with aging: a metabolomics-based study in Chinese older adults**

**Yiming Pan**, Department of Geriatrics, Xuanwu Hospital Capital Medical University, National Research Center for Geriatric Medicine, Beijing (China)

**Individualised therapy for elderly patients using exercise and nutrition to reduce dependence post discharge (INDEPENDENCE): a randomised controlled pilot trial**  
*Chad Yixian Han, Caring Futures Institute, College of Nursing and Health Sciences, Flinders University, (Australia)*

**Are intake and nutritional status of specific polyunsaturated fatty acids correlated with sarcopenia outcomes in community-dwelling older adults with sarcopenia?**  
*Jolan Dupont, Geriatrics & Gerontology, Department of Public Health and Primary Care, KU - Dept of Geriatric Medicine, University Hospitals Leuven, (Belgium)*

**Modulating the expression of the mitochondrial fission protein Drp1 is not a viable therapeutic target to counteract sarcopenia**  
*Gilles Gouspillou, Departement des sciences biologiques - Dept des sciences de l'activite physique, UQAM, (Canada)*

**Understanding the role of nutritional status, body composition and insulin resistance on healthcare costs among community-dwelling older adults**  
*Beatriz Rodriguez-Sánchez, PhD, Departamento de Economía Aplicada, Economía Pública y Economía Política, Facultad de Derecho, Universidad Complutense de Madrid, Madrid, (Spain)*

## ONSITE IN BOSTON AT THE HOTEL REVERE and live online (via the ICFSR digital platform)

3:00 - 3:20 **WELCOME:** *Roger Fielding, Boston (USA), Matteo Cesari, Milan (Italy), Jorge Ruiz, Miami (USA), Bruno Vellas, Toulouse (France) and Bess Dawson-Hughes, Boston (USA)*

**PRESENTATION OF THE ICFSR LIFETIME ACHIEVEMENT AWARD**  
*William J. Evans, PhD, University of California, Berkeley, CA (USA)*  
 for his pivotal contributions to the identification of sarcopenia as a clinical syndrome and his career-long work in the fields of nutrition, exercise physiology and healthy aging

3:20 - 3:40 **KEYNOTE 1: DEFINING SARCOPENIA: THE GOOD, THE BAD AND THE UGLY**  
*William J. Evans, PhD, University of California, Berkeley, CA (USA)*

3:40 - 4:20 **SYMPOSIUM 1: THE STUDY OF MUSCLE, MOBILITY AND AGING (SOMMA): AN OVERVIEW AND PRELIMINARY RESULTS**  
*Moderator: Steven R. Cummings, MD Research Institute, California Pacific Medical center and Department of Epidemiology and Biostatistics, University of California, San Francisco, CA, (USA)*

- **The Study of Muscle, Mobility and Aging (SOMMA): An Overview of the Cohort**  
*Anne B. Newman, MD, Department of Epidemiology, University of Pittsburgh, Pittsburgh, PA (USA)*
- **Skeletal muscle mitochondrial energetics is associated with leg power generation and cardiorespiratory fitness in older adults in the Study of Muscle Mobility and Aging Study (SOMMA)**  
*Theresa Mau, PhD, Research Institute, California Pacific Medical Center, San Francisco, CA, (USA)*
- **Cognitive and Physical Function Relationships in the SOMMA study**  
*Stephen B. Kritchevsky, PhD, Department of Internal Medicine: Gerontology & Geriatric Medicine and The Sticht Center for Healthy Aging and Alzheimer's Prevention, Wake Forest School of Medicine, Winston-Salem, NC, (USA)*

4:20 - 5:20 **CLINICAL TRIALS PRESENTATIONS**

4:20 - 4:35 **Biomarker Results from a Phase 2b Clinical Trial Assessing Lomecel-B Infusion in Older Adults with Frailty**  
*Kevin N. Ramdas, MD, MPH, Longeveron Inc., Miami, FL (USA)*

4:35 - 4:50 **Effects of vitamin D, omega-3 fatty acids and a simple home exercise program on pre-frailty prevention among generally healthy and robust adults age 70 and older: The DO-HEALTH randomized clinical trial**  
*Michael Gagesch, MD, University Hospital, Zurich (Switzerland)*

4:50 - 5:05 **Effects of a 2-year exercise training on the neuromuscular system health in older individuals with low muscle function**  
*Marco Narici, Department of Biomedical Sciences, University of Padova (Italy)*

5:05 - 5:20 **Impact of Urolithin A vs Placebo Supplementation on Muscle Endurance and Mitochondrial Health in Older Adults: A Randomized Clinical Trial**  
*David J. Marcinek, Dept. of Radiology, University of Washington Medical Center, Seattle, WA, (USA)*

5:20 - 6:00 **POSTER SESSIONS**

**ONLINE ORAL COMMUNICATIONS**

**Prevalence of frailty in older adults during the COVID-19 pandemic in Southern Switzerland: The Corona Immunitas Ticino cohort study**  
*Jiang Miao, MD, MSc, Institute of Public Health, Universita della Svizzera italiana, Lugano, (Switzerland)*

**Factors associated with physical performance in older adults with long covid**  
*Matteo Tosato, MD, PhD, Fondazione Policlinico Universitario A. Gemelli IRCCS, Rome, (Italy)*

**Neuro-exergaming for mild cognitive impairment (MCI): Nutrition and cognitive status of pilot enrollees in the interactive Physical and Cognitive Exercise Study (iPACES)**  
*Paul Arciero, DPE, Health and Human Physiological Sciences, Skidmore College (NY) - 2 iPACES LLC (NY) (USA)*

**Cardiovascular Outcomes Based on Patterns of Frailty and Cognitive Impairment Development**  
*Naila Ijaz, MD, Inova Heart and Vascular Institute, Falls Church, VA (USA)*

**Using the Clinical Frailty Scale to Characterize Physical Function Recovery Trajectories of Hospitalized Adults Referred to a Physiotherapy Rehabilitation Service: Preliminary analysis of 738 Patients**  
*Jennifer R A Jones, Physiotherapy Department, The University of Melbourne, (Australia)*

**Diagnosis of Sarcopenic Dysphagia in the Elderly: Critical Review**  
*Sara Abu-Ghanem, MD, Department of Otolaryngology, SUNY Downstate Medical Center, Brooklyn, New York, USA 2 SUNY Downstate- School of Medicine, Brooklyn, New York, (USA)*

**ONSITE IN BOSTON** AT THE REVERE HOTEL  
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8:00 - 9:00

**POSTER SESSION**

9:00 - 9:50

**ORAL COMMUNICATIONS**

9:00 - 9:10

**Association of D3Cr muscle mass with MRI-based measures of muscle size and fat infiltration; strength; and walking speed in older men and women: Preliminary data from the SOMMA study**  
*Peggy M. Cawthon, PhD, Research Institute, California Pacific Medical Center, San Francisco, CA, USA Department of Epidemiology and Biostatistics, University of California, San Francisco, CA, (USA)*

9:10 - 9:20

**Development of a Small Molecule Apelin Mimetic (BGE-105) to Prevent Skeletal Muscle Atrophy, Sarcopenia, and Frailty in Older Adults**  
*Carrie-Lynn L. Furr, BioAge Labs, Richmond, CA, (USA)*

9:20 - 9:30

**Sex Differences in the Association of Thigh Muscle Strength, Area, and Specific Force with Lower Urinary Tract Symptoms: the Baltimore Longitudinal Study of Aging**  
*Scott R. Bauer, MD, ScM, Division of General Internal Medicine, Department of Medicine, University of California, San Francisco, CA (USA)*

9:30 - 9:50

**KEYNOTE 2: GEROSCIENCE CLINICAL TRIALS: STRATEGIES FOR TRANSLATING AGENTS TARGETING FUNDAMENTAL AGING MECHANISMS INTO CLINICAL INTERVENTIONS**  
*James Kirkland, MD, Mayo Clinic Rochester, MI (USA)*

9:50 - 10:30

**SYMPOSIUM 2: FRAILTY AND SURGERY: INTEGRATING EVIDENCE FOR RISK PREDICTION AND BEYOND**  
 Moderator: *Qian-Li Xue, PhD, Department of Medicine Division of Geriatric Medicine, Johns Hopkins University School of Medicine and Johns Hopkins Center on Aging and Health, Baltimore, Maryland, (USA)*

- **Implementation of a Frailty-Focused Perioperative Care Pathway: Is This Value-Based Care?**  
*Susan Gearhart, MD, Department of Medicine - Geriatric Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland, (USA)*
- **Frailty Assessment as a Component of Comprehensive Geriatric Assessment for Geriatric Trauma Patients**  
*Maria Cantu-Cooper, MD, Department of Medicine, Division of Geriatrics, Gerontology & Palliative Medicine, University of Texas Health Science Center at San Antonio, San Antonio, TX, (USA)*
- **Prevalence of Frailty across Different Hospital Types and Association of In-Patient Mortality in Geriatric Surgery**  
*Daniel S Rubin, MD, MS, Department of Anesthesia and Critical Care, University of Chicago (USA)*

10:30 - 11:00

**COFFEE BREAK AND POSTER SESSION**

11:00 - 11:20

**KEYNOTE 3: BONE AND MUSCLE INTERVENTION**  
*Bess Dawson-Hughes, MD, Tufts University, Boston, MA (USA)*

# ONSITE IN BOSTON

AT THE REVERE HOTEL  
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- 11:20 - 12:00 **SYMPOSIUM 3: THE D3-CREATINE DILUTION METHOD: MEASUREMENT OF MUSCLE MASS ACROSS THE LIFE SPAN: CHILDREN, NEUROMUSCULAR DISEASE, AGING MEN AND WOMEN**  
Moderator: Luigi Ferrucci, MD, PhD National Institute on Aging, Baltimore, MD (USA)  
  - **The D3-creatine dilution method**  
William J Evans, PhD, University of California, Berkeley CA(USA)
  - **D3Cr muscle mass and assessment skeletal muscle quality**  
Eric Orwoll, MD, Oregon Health & Science University, Portland, OR (USA)
  - **Muscle mass as a powerful risk factor for health-related outcomes in older people**  
Peggy Cawthon, PhD, California Pacific Medical Center Research Institute, San Francisco, CA (USA)
- 12:00 - 12:20 **ORAL COMMUNICATIONS**
- 12:00 - 12:10 **Lomecel-B as a Geroscience Therapeutic Candidate for Cognitive Frailty**  
Anthony A. Oliva, PhD, Longeveron Inc., Miami, FL (USA)
- 12:10 - 12:20 **Myosteatorsis and Post-Kidney Transplant Outcomes**  
Mara McAdams-DeMarco, PhD, Department of Surgery, New York University, New York City, NY (USA)
- 12:20 - 1:20 **LUNCH SYMPOSIUM** sponsored by Nestle Health Sciences
- 1:20 - 1:50 **ORAL COMMUNICATIONS**
- 1:20 - 1:30 **Association of Frailty with Breakthrough COVID Infection after Vaccination In Patients with Cancer and Frailty, A Nationwide US VA Study**  
Natasha M. Resendes, Miami Geriatric Research Education Clinical Center, Miami VAHS, Miami FL, USA (2) University of Miami Miller School of Medicine, Miami, FL, (USA)
- 1:30 - 1:40 **Lower protein, fiber intake and physical activity are associated with more impaired cognitive status among enrollees in the trial of the interactive Physical and Cognitive Exercise System (iPACES) for mild cognitive impairment (MCI)**  
Paul Arciero, DPE, Health and Human Physiological Sciences, Skidmore College (NY) - iPACES LLC (NY) (USA)
- 1:40 - 1:50 **Icope implementation in clinical practice : data from 17,000 seniors part of the Icope Monitor digital program to maintain function and prevent dependency in France**  
Bruno Vellas MD, PhD, Maria Soto PhD, Fati Nourhashemi PhD, Gérontopôle Toulouse, Toulouse (France)
- 1:50 - 2:20 **LATE BREAKING ORAL COMMUNICATIONS**
- 2:20 - 3:00 **SYMPOSIUM 4: NEUROMUSCULAR JUNCTION TRANSMISSION FAILURE IN SARCOPENIA**  
Moderator: Matteo Cesari, PhD, University of Milan (Italy)  
  - **Neuromuscular junction transmission failure is associated with weakness and impaired muscle function in aged rodents**  
W. David Arnold, MD, Department of Neurology, The Ohio State University, Columbus, OH, (USA)
  - **Neuromuscular junction transmission failure is associated with weakness and impaired muscle quality in sarcopenic older adults**  
Brian C. Clark, PhD, Ohio Musculoskeletal and Neurological Institute, Ohio University, Athens, OH, (USA)
  - **Investigating CIC-1 chloride channel inhibition as a therapeutic strategy for sarcopenia**  
Thomas Holm Pedersen, PhD, CEO at NMD Pharma A/S, Aarhus, (Denmark)
- 3:00 – 3:30 **ORAL COMMUNICATIONS**
- 3:00 - 3:10 **Association Between Physical Frailty and Quality of Life: National Health and Aging Trend Study (NHATS) 2011-2020**  
David H Lynch, Division of Geriatric Medicine and Center for Aging and Health, UNC School of Medicine, UNC Chapel Hill, NC (USA)
- 3:10 - 3:20 **Relationship between Severity and Laterality of Age-Related Sensory Decline and Frailty In Multi-ethnic Elderly Asians**  
Ecosse L Lamoureux, PhD, Singapore Eye Research Institute and Singapore National Eye Centre, Singapore Eye Research Institute and Singapore National Eye Centre, (Singapore)

# ONSITE IN BOSTON AT THE REVERE HOTEL

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3:20 - 3:30

**Can RANKL inhibition ameliorate sarcopenia?**

*John Gostage, MRes, Dept of Oncology and Metabolism, The Mellanby Centre For Musculoskeletal Research, Healthy Lifespan Institute and The Centre for Integrated research in Musculoskeletal Ageing (CIMA). University of Sheffield - Discipline of Physiology, School of Medicine, National University of Ireland Galway, Galway, (Ireland)*

3:30 - 4:00

**COFFEE BREAK AND POSTER SESSION**

4:00 - 4:50

**ORAL COMMUNICATIONS**

4:00 - 4:10

**Higher dietary protein intake is associated with sarcopenia in older British twins: a TwinsUK Study**

*Mary Ni Lochlainn, King's College London, Department of Twin Research and Genetic Epidemiology, London, (UK)*

4:10 - 4:20

**Death-seq identifies regulators of cell death and senolytic therapies**

*Alex Colville, PhD, Paul F. Glenn Center for the Biology of Aging and Department of Neurology and Neurological Sciences, Stanford University School of Medicine, Stanford, CA, (USA) - Department of Genetics, Stanford University, Stanford, CA, (USA)*

4:20 - 4:30

**Physical Frailty and Cognitive Function among Older Chinese Adults: The Mediating Roles of Activity of Daily Living Limitations and Depression**

*Changmin Peng, University of Massachusetts Boston, MA (USA)*

4:30 - 4:40

**Association between sarcopenia and risk of all-cause and cardiovascular disease-specific death in cancer survivors and counterparts without cancer history**

*Dongyu Zhang, Department of Epidemiology, University of Florida College of Public Health and Health Professions, Gainesville, FL, USA University of Florida Health Cancer Center, Gainesville, FL, (USA)*

4:40 - 4:50

**Health trajectories of elderly living in Senior Housing: A Longitudinal Perspective**

*Maturin Tabue-Teguo, University Hospital of Guadeloupe, Pointe-a-Pitre -Team LAMIA, University of West Indies, Guadeloupe, France Inserm U1219 Bordeaux Population Health Center, University of Bordeaux, Bordeaux, (France)*

4:50 - 5:00

**MicroRNAs in women with dynapenia and dynapenic abdominal obesity**

*Lisa Dowling, BSc, The University of Sheffield (UK)*

5:00 - 5:10

**DNA methylation-based test targeting myokines identified GDF-15 and FGF-2 as biomarkers for sarcopenia in the elderly**

*Wei Gao, Department of Geriatrics, Sir Run Run Hospital, Nanjing Medical University (China)*

5:00 - 5:40

**LATE BREAKING ORAL COMMUNICATIONS**

5:30 - 6:00

**POSTER SESSION**

8:00 - 9:00

ONLINE LATE BREAKING ORAL COMMUNICATIONS

# ONSITE IN BOSTON

AT THE REVERE HOTEL  
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8:00 - 9:00

POSTER SESSION

9:00 - 9:30

ORAL COMMUNICATIONS

9:00 - 9:10

**Sarcopenic Obesity: development and initial validation of a new diagnostic approach based on body composition phenotypes**

*Vittoria Zambon Azevedo, Sorbonne Universite ; Centre de Recherche de Cordeliers, INSERM UMRS 1138, Paris, (France)*

9:10 - 9:20

**Association Between Tryptophan Metabolites, Physical Performance, and Frailty in Older Persons**

*Ahmed Al Saedi, the University of Melbourne, Ct Albans (Australia)*

9:20 - 9:30

**A probiotic capable to reduce sarcopenia in undernourished elderly, results from a pre-clinical study**

*Muriel Giron, MSc, Universite Clermont-Auvergne, INRAE, UMR 1019, Unite Nutrition Humaine, Clermont-Ferrand (France)*

9:30 - 9:50

**KEYNOTE 3: DISORDERED NUTRITION AND FRAILTY: THE INTERSECTION APPETITE DECLINE AND ALTERED ENERGY REQUIREMENTS WITH ADVANCING AGE**

*Roger Fielding, PhD, Tufts University, Boston, MA (USA)*

9:50 - 10:30

**SYMPOSIUM 5: ADVANCES IN SKELETAL MUSCLE ULTRASOUND IN THE ASSESSMENT OF SARCOPENIA**

*Moderator: Marco Narici, PhD, Department of Biomedical Sciences, University of Padova, (Italy)*

• **Standardisation of ultrasound measures for muscle assessment of sarcopenia: results of the sarcus study**

*Stany Perikis, Department of Geriatrics, University of Antwerp, Antwerp, (Belgium)*

• **Age-related alterations in muscle architecture are a signature of sarcopenia: the ultrasound sarcopenia index**

*Marco Narici, PhD, Department of Biomedical Sciences, University of Padova, (Italy)*

• **Use of second order texture features and computational approaches to aid ultrasound estimates of muscle quality across clinical settings**

*Michael O. Harris-Love, PhD, Muscle Morphology, Mechanics, and Performance Laboratory, Rocky Mountain Regional Veterans Affairs Medical Center. Department of Physical Medicine & Rehabilitation, The University of Colorado Anschutz Medical Center, Aurora, CO, (USA)*

10:30 - 11:00

COFFEE BREAK AND POSTER SESSION

11:00 - 11:50

ORAL COMMUNICATIONS

11:00 - 11:10

**Frailty and New Onset Atrial Fibrillation in Older Patients Hospitalized with COVID-19 Infection**

*Gustavo A. Vargas, MD, Miami VAHS Geriatric Research, Education and Clinical Center (GRECC), Miami, FL, (USA)*

11:10 - 11:20

**Sex-dependent genome-wide transcriptome differences in an urban, community-dwelling middle-aged frailty cohort**

*Natasha L. Pacheco, PhD, National Institute on Aging, Baltimore, MD (USA)*

11:20 - 11:30

**Key value of inspiratory muscle performance and training in a home-based program to improve functional capacity and body composition in older heart failure patients**

*Rohan Shah, University of Pittsburgh, Pittsburgh, PA (USA)*

# ONSITE IN BOSTON AT THE REVERE HOTEL

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11:30 - 11:50

## LATE BREAKING COMMUNICATIONS

11:50 - 12:30

### **SYMPOSIUM 6: EFFECTS OF 12 WEEKS EXERCISE INTERVENTIONS IN OBESE OLDER ADULTS: FROM CLINICAL TO BIOLOGICAL PERSPECTIVES**

*Moderator: Aubertin-Leheudre Mylene, PhD, Faculte des Sciences, Departement des sciences de l'activite physique, UQAM & Centre de recherche de l'institut Universitaire de Geriatrie de Montreal (Canada)*

- **Effects of 12-weeks aerobic exercise interventions on physical and functional parameters in obese older adults**

*Aubertin-Leheudre Mylene, PhD, Faculte des Sciences, Departement des sciences de l'activite physique, UQAM & Centre de recherche de l'institut Universitaire de Geriatrie de Montreal (Canada)*

- **Effects of 12-weeks aerobic exercise interventions on biological parameters in obese older adults**

*Philippe Noirez, PhD, 1 UFR STAPS, Performance Sante Metrologie Societe (EA-7507), Universite de Reims Champagne-Ardenne, Reims, (France) Departement des sciences de l'activite physique, Faculte des Sciences, UQAM, Montreal, Quebec, (Canada) - Groupe de recherche en Activite Physique Adaptee, Montreal, Quebec, (Canada)*

- **Are metabolomic adaptations following 12-weeks aerobic exercise interventions related to physical improvements in obese older adults?**

*Layale Youssef, INSERM U1124, Universite de Paris, Paris, (France) Ecole de Kinesilogie et des Sciences de l'Activite Physique (EKSAP), Universite de Montreal, Centre de Recherche de l'Institut Universitaire de Geriatrie de Montreal (Canada)*

12:30 - 1:30

## LUNCH

1:30 - 2:10

### **SYMPOSIUM 7: ORAL HEALTH AND FRAILITY**

*Moderator: Luis Miguel Gutierrez-Robledo, PhD, Instituto Nacional de Geriatria National Institutes of Health Health Ministry, (Mexico)*

- **The available evidence: Methodological details and results**

*Luisa Helena do Nascimento Torres, Federal University of Santa Maria (UFSM), Graduate Program in Dental Sciences, (Brazil)*

- **Integrating the available evidence**

*Faisal Hakeem, Centre for Epidemiology Versus Arthritis The University of Manchester Manchester (UK)*

- **Implications, gaps and next steps**

*Roberto Carlos Castrejon-Perez Instituto Nacional de Geriatria National Institutes of Health Health Ministry (Mexico)*

2:10 - 3:30

## ORAL COMMUNICATIONS

2:10 - 2:20

### **Impaired Lower Limb Muscle Mass, Quality and Function in Patients with End Stage Liver Disease: A prospective case-control study**

*J I Quinlan, NIHR Birmingham Biomedical Research Centre, University Hospitals Birmingham NHS Foundation Trust and University of Birmingham, (UK)*

2:20 - 2:30

### **Assessing Muscle Quantity and Quality for Sarcopenia Evaluation in Heart Failure Using Opportunistic Thoracic computed Tomography**

*Saeid Mirzai, DO, Department of Internal Medicine, Cleveland Clinic, Cleveland, OH, (USA)*

2:30 - 2:40

### **Towards extended body Composition through automated whole-body segmentation of skeletal muscle, adipose tissue, bone, and multi-organ and vertebral level identification from multi-slice CT images**

*Mirza Faisal Beg, Simon Fraser University, British Columbia (Canada)*

2:40 - 2:50

### **Sarcopenia and cognitive performance in a cohort of middle-aged and older european men: data from the european male ageing study (emas)**

*Nadjia Amini, Department of Public Health and Primary Care, KU Leuven, Leuven, (Belgium)*



FRIDAY • April 22, 2022

**ONSITE IN BOSTON** AT THE REVERE HOTEL  
and live online (via the ICFSR digital platform)

2:50- 3:30 **LATE BREAKING ORAL COMMUNICATIONS**

3:30 - 4:00 **COFFEE BREAK AND POSTER SESSION**

4:00- 6:00 **SATELLITE CONFERENCE TO THE INTERNATIONAL CONFERENCE ON FRAILTY AND SARCOPENIA RESEARCH  
SARCOPENIA ACROSS SPECIES: A ONE HEALTH APPROACH  
A CTSA One Health Alliance (COHA) Translational Summit**

4:00 **Welcome and introductions**

*Lisa Freeman, Cummings School of Veterinary Medicine, Friedman School of Nutrition Science and Policy, Tufts University, Boston, MA (USA)*

4:10 • **SARCOPENIA: THE CLINICAL PICTURE IN HUMANS**

*Roger Fielding, Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University, Boston, MA (USA)*

4:35 • **SARCOPENIA PHENOTYPING IN VETERINARY MEDICINE**

5:00 • **COMMON DISEASES ASSOCIATED WITH SARCOPENIA IN PETS**

*Valerie Parker, Department of Veterinary Clinical Sciences, The Ohio State University, Columbus, OH (USA)*

5:25 **DOG AGING PROJECT**

*Daniel Promislow, Department of Laboratory Medicine and Pathology, UW Medicine, University of Washington Medicine, Seattle, WA (USA)*

6:00 **COCKTAIL RECEPTION**

**ON DEMAND PROGRAM ONLY** (via the ICFSR digital platform) from 2:00 PM Boston Time

**ONLINE ORAL COMMUNICATIONS**

**Prevalence and risk factors of cognitive frailty in community-dwelling older adults with diabetes:  
A systematic review and meta-analysis**

*Ling-Na Kong PhD, School of Nursing, Chongqing Medical University, Chongqing (China)*

**The relevance of frailty status for plasma concentrations of direct oral anticoagulants in older patients  
Results of an exploratory study**

*Annette Eidam, MD, Center for Geriatric Medicine, Heidelberg University, AGAPLESION Bethanien Hospital Heidelberg, Heidelberg, (Germany)*

**Slowness is better than frailty to identify functional decline in older adults**

*Tiago da Silva Alexandre, Gerontology Department, Federal University of Sao Carlos, Sao Paulo (Brazil)*

**Can long-term physical performance trajectories in older adults be affected by dynapenic abdominal obesity?**

*Tiago da Silva Alexandre, Gerontology Department, Federal University of Sao Carlos, Sao Paulo (Brazil)*

**Mortality hazard of hypertension and diabetes, and inversive effects of obesity and circulating branched-chain amino acids in old age**

*Erik Fung, MBChB, PhD, Faculty of Medicine, The Chinese University of Hong Kong (Hong Kong)*

**Effectiveness of intensively applied mirror therapy in older patients with post-stroke hemiplegia: a preliminary result**

*Ana Belen Gamez Santiago, Campus de Ciencias de la Salud (Spain)*

**Vitamin D deficiency and sarcopenia in women**

*Nataliia Grygorieva, Institute of Gerontology named after D.F. Chebotarev NAMS (Ukraine)*

**Lipid Signaling Mediators Regulate Bone-Muscle Crosstalk During Development Ageing**

*Ahmed Al Saeedi, the University of Melbourne, Ct Albans (Australia)*

**Multimodal prehabilitation prevents post-surgical deterioration of physical function in older-aged individuals who undergo colorectal surgery: a prospective cohort study**

*Foo Li Xin (Singapore)*

# ICFSR POSTER PROGRAM

**ONSITE IN BOSTON** AT THE REVERE HOTEL  
and online (via the ICFSR digital platform)

## 1-FRAILTY IN CLINICAL PRACTICE AND PUBLIC HEALTH

- **Comparison of subjects who have benefited a Step 1 performed by a trained professional and subjects who have completed a Step 1 in self-assessment: a basis for reflexion to promote self-management.**

*Justine De Kerimel, CHU Toulouse (France)*

- **Evaluation of Protectin DX as a therapeutic strategy against frailty in mice**

*Lais Perazza, PhD, Department of Physical Therapy & Athletic Training, Boston University, Boston, MA (USA)*

- **Frailty and loss of independence in the elderly: Results from the FREEDOM Cohort Study in France**

*Achille Tchalla, MD, PhD, VieSante Laboratory - UR 24134 (Aging, Frailty, Prevention, e-Health), OMEGA HEALTH Institute, University of Limoges - CHU de Limoges, Pole HU Gerontologie Clinique, F-87042 - Unite de Recherche Clinique et d'Innovation (URCI) de Gerontologie, CHU de Limoges, Pole HU Gerontologie Clinique, Limoges, (France)*

- **Frail and multi-pathological elderly patient from the acute care ward to long-term care value of unique clinical care team**

*Alessia Mediolì MD, long term care Clinica Sant'Antonino, Piacenza (Italy)*

- **High neuromuscular fatigability in elderly chronic kidney disease patients: a lead for frailty characterisation?**

*Antoine Chatrenet, PhD, Le Mans Universite, Movement – Interactions – Performance, MIP, UR4334, F-72000 Le Mans – Nephrology Centre Hospitalier Le Mans, Le Mans, (France)*

- **Phenotypic frailty in prevalent in older adults with inflammatory bowel diseases**

*Bharati Kochar MD, MS, Division of Gastroenterology, Massachusetts General Hospital, Boston, - Harvard Medical School, Boston - Center for Aging and Serious Illness, The Mongan Institute, Boston, Clinical Translational Epidemiology Unit, The Mongan Institute, Boston, MA, (USA)*

- **Frailty and Cognition in Primary Care older dwellers with mental health concerns**

*Constanca Paul, ICBAS, CINTESIS, Univ. Porto (Portugal)*

- **A Case Series of Veterans with and without Frailty in a VA Dementia Prevention Clinic**

*Jilla R. Azarbal, MD, MPH, MBA, Miami VAHS GRECC, Miami FL (USA)*

## 2 - COGNITIVE FRAILTY

- **Psychomotor speed from minimal hepatic encephalopathy testing is associated with physical frailty in patients with end-stage liver disease**

*Andres Duarte-Rojo MD, PhD, Starzl Transplantation Institute and Center for Liver Diseases, University of Pittsburgh School of Medicine, Pittsburgh, PA (USA)*

## 3 - COVID 19 & FRAILTY AND SARCOPENIA

- **Determinants of Associated Events Following AZD1222 (Covishield) Vaccination in a High-Risk Population in Nepal**

*Sunita Bhandari Norvic Institute of Nursing Education (Nepal)*

## 4 - E-HEALTH, DIGITAL TOOL

- **An e-health platform to improve well-being in ageing**

*Isabelle Hininger-favier, PHD, LBFA, INSERM1055. University Grenoble Alpes, Grenoble, (France)*

## 5 - CLINICAL TRIAL AND THERAPEUTICS

- **Psychomotor speed from minimal hepatic encephalopathy testing is associated with physical frailty in patients with end-stage liver disease**

*Andres Duarte-Rojo, MD, University of Pittsburgh School of Medicine, Pittsburgh (USA)*

## 8 - NUTRITION AND AGING

- **Ginger Root Extract Supplementation Attenuated Mitochondrial Fusion and Improved Skeletal Muscle Size in Type 2 Diabetic Rats**

*Chwan-Li Shen, Texas Tech University Health Sciences Center, Lubbock, TX (USA)*

- **Data came from two datasets of videofluoroscopic swallowing studies: 20 healthy young (< 35 years) and 44 healthy older (> 65 years), balanced for sex and height**

*Sonja Molfenter, Department of Communicative Sciences and Disorders, NYU, New York (USA)*

- **Protein intakes in adults aged 50+ years correlate with protein knowledge**

*Esme R. Tuttiatt, Department of Oncology and Metabolism, The Medical School, The University of Sheffield (UK)*

# ICFSR POSTER PROGRAM

## ONSITE IN BOSTON AT THE REVERE HOTEL and online (via the ICFSR digital platform)

- **Swallowing muscle sarcopenia: A replication study involving the pharyngeal muscles**

*Sonja Molfenter, SLP, PhD, Department of Communicative Sciences and Disorders, New York University 2. Rusk Rehabilitation, New York University Langone Health (USA)*

### 9 - EPIDEMIOLOGY

- **The influence of multimorbidity patterns on the functional capacity of community-dwelling older adults: data from the FIBRA study**

*Monica Yassuda, Graduate Program in Gerontology, Faculty of Medical Sciences, State University of Campinas, UNICAMP, Campinas, Sao Paulo, Brazil; Gerontology, School of Arts, Sciences and Humanities, University of Sao Paulo, USP, Sao Paulo, (Brazil)*

### 10 - ANIMAL MODELS - PRECLINICAL STUDIES

- **Aged adipose tissue is associated with a dysregulation of adipose/muscle crosstalk via lncRNA MIR17HG and exosomal miRNA cluster Mirc1**

*Donato A. Rivas, Human Nutrition Research Center on Aging at Tufts University, Boston, MA (USA)*

### 11 - BIOMARKERS AND AGING

- **Reliability of segmentation of skeletal muscle from high-resolution 7T MRI**

*Bragi Sveinsson, PhD, Athinoula A. Martinos Center for Medical Imaging, Department of Radiology, Massachusetts General Hospital, Boston, USA Harvard Medical School, Boston, (USA)*

### 13 - PHYSICAL EXERCISE

- **Neuro-exergaming for Parkinson's Disease (PD): Feasibility of the interactive Physical and Cognitive Exercise System (iPACES) for PD including with Mild Cognitive Impairment (PD-MCI)**

*Kartik Nath, Neuroscience Program, Union College, Schenectady, NY (USA)*

### 14 - INTEGRATED CARE (ICOPE)

- **Treatment of Acute Infections in Israeli Nursing Homes without Hospital Transfer**

*Nadya Kagansky MD, Clalit Health Services, Tel Aviv University (Israel)*

- **WHO ICOPE Program: The lessons of 22 months of Step1 follow-up**

*Neda Tavassoli, CHU Toulouse-Gerontopole (France)*

### 15 - BODY COMPOSITION

- **Bioelectrical Impedance Spectroscopy Parameters Associated with Muscle Function, Sedentary Time and Physical Activity in Older Adults**

*Murad H. Taani PhD, MPH, RN, College of Nursing, University of Wisconsin Milwaukee, Milwaukee, WI, (USA)*

- **Phase angle is associated with lower limb motor function in the older**

*Takafumi Mizuno MD, PhD, Department of Orthopaedic Surgery, Nagoya University Graduate School of Medicine, Nagoya, Aichi - Department of Musculoskeletal Disease, National Center for Geriatrics and Gerontology, Obu, Aichi, (Japan)*

### 16 - BIOLOGY OF FRAILITY

- **TEMPUS-FUGIT: Protocol of a study to explore the gut-muscle axis in in older adults with sarcopenia**

*Laurence Lapauw, Department of Public Care and Primary Health, KU Leuven, Leuven, (Belgium)*

- **Apelin Mimetic (BGE-105) Prevents Disuse-Induced Muscle Atrophy In Aged Mice**

*Robert Hughes, BioAge Labs, Richmond, CA, USA*

- **The regulatory gene expression profile of skeletal muscle in non-alcoholic fatty liver disease**

*Sophie L. Allen, School of Sport, Exercise and Rehabilitation Sciences, University of Birmingham - National Institute for Health Research, Birmingham Biomedical Research Centre at University Hospitals Birmingham NHS Foundation Trust, Birmingham (UK)*

# ICFSR POSTER PROGRAM

ONLINE (via the ICFSR digital platform)

## 1-FRAILTY IN CLINICAL PRACTICE AND PUBLIC HEALTH

- **Comparing the Modified Frailty Index with conventional scores for prediction of cardiac resynchronization therapy response in patients with heart failure**

*Ajay Pratap Singh DM, Atal Bihari Vajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital, New Dehli (India)*

- **Polypharmacy Is Significantly and Positively Associated with the Frailty Status Assessed Using the 5-Item FRAIL Scale, Cardiovascular Health Phenotypic Classification of Frailty Index, and Study of Osteoporotic Fractures Scale**

*Chen-Cheng Yang, Kaohsiung Medical University, Kaohsiung City (Taiwan)*

- **Comparing the Adverse Outcomes of Different Frailty Subgroups by Employing the Tilburg Frailty Indicator (TFI) among Elderly Patients with Gastric Cancer**

*Xueyi Miao, School of Nursing, Nanjing Medical University, Nanjing, (China)*

- **Impact of Total Psoas Area and Lean Muscular Area in Mortality After Elective Endovascular Aortic Aneurysm Repair**

*Vania Constancio Oliveira, Angiology and Vascular Surgery Department, Centro Hospitalar e Universitario de Coimbra, EPE*

- **Association of probable sarcopenia and frailty among community-dwelling older adults in Modena county (Italy)**

*Emanuele Rocco Villani, UOC Geriatria, disturbi cognitive e demenze, AUSL Modena (Italy)*

- **Machine learning to predict the frailty of patient with chronic kidney disease**

*Fang-Ru Yueh RN, MS, National Cheng Kung University Hospital, Tainan City (Taiwan)*

- **Risk of sarcopenia (according to SARC-F) in Ukrainian women of different ages**

*Natalia Grygorieva, Institute of Gerontology named after D.F. Chebotarev NAMS (Ukraine)*

- **Health status of the elderly with lower-limb amputation after prosthesis**

*Angela Maria Pereira, PT, PhD, Hospital Garcia de Orta - Physiotherapy Department, Escola Superior de Saude Egas Moniz- Centro de investigacao interdisciplinar Egas Moniz, Almada, (Portugal)*

- **Malnutrition and Frailty are Associated with Higher Comorbidity Index in Hospitalized Older Adults**

*Maria Amasene, Department of Pharmacy and Food Science, University of the Basque Country UPV/EHU, Vitoria-Gasteiz, (Spain)*

- **Interventions to prevent the onset of frailty in adults aged 60 and older (PRAE-Frail): a systematic review and meta-analysis**

*Jane Durga, PhD, Heidelberg University Centre for Geriatric Medicine, Agaplesion Bethanien Krankenhaus Heidelberg, Heidelberg, (Germany)*

- **Comparison of frailty states and screening time among community-dwelling older adults with three frailty assessment instruments**

*Meei-Horng Yang RN, MSN, National Taipei University of Nursing and Health Sciences/ Wei Gong Memorial Hospital, HsiChu (Taiwan)*

- **Frailty transitions between community-dwelling older adults living with family and older adults living alone**

*Meei-Horng Yang RN, MSN, National Taipei University of Nursing and Health Sciences/ Wei Gong Memorial Hospital, HsiChu (Taiwan)*

- **Sarcopenia in Iranian cirrhotic patients, a cross sectional control study assessed by sarcopenic severity indices**

*Mahvash Alizade Nainia, Gastroenterohepatology Research Center, Shiraz University of Medical Sciences, Shiraz, (Iran)*

- **Gripwise® versus Jamar®: the challenge of devices assessing handgrip strength for sarcopenia diagnosis in older inpatients**

*Berengere Beauple, Department of Geriatric Medicine, Centre Hospitalier Universitaire de Caen Normandie, (France), Normandy Univ, UniCaen, - INSERM U1086, ANTICIPE, Caen, (France), Normandy Interregional Oncogeriatric Coordination Unit, Caen, (France)*

- **Improving the performance of Hospital Frailty Risk Score to identify clinical frailty at the bedside: A retrospective observational study**

*John Tshon Yit Soong MBChB, PhD, National University Hospital, (Singapore)*

- **Frailty and Intrinsic Capacity as Predictors of Recovery in Older Patients Surgically Treated for Cancer: A Longitudinal Study**

*Fang-Wen Hu RN, PhD, Nursing Department, National Cheng Kung University Hospital, Tainan, ROC. (Taiwan)*

- **Association of Intrinsic Capacity with Frailty Progression and Adverse Health Outcomes in Community-dwelling Older Adults**

*Laura Tay MBBS, Geriatric Medicine, Department of General Medicine, Sengkang General Hospital, Singapore, Geriatric Education and Research Institute, (Singapore)*

- **Healthcare costs associated with potentially inappropriate medication prescribing in nursing home residents: results from the fine study**

*Audrey Dintilhac, PharmD, Department of Pharmacy, Toulouse University Hospital, 31000 Toulouse, (France)*

- **Circulating C-Terminal Agrin Fragment and adiponectin are associated with frailty in older hypertensive adults**

*Pan Liu, Xuanwu Hospital Capital Medical University, Beijing (China)*

- **Prevalence of Frailty in Patients with Vasculitis**

*Sebastian E. Sattui, University of Pittsburgh, PA (USA)*

# PRELIMINARY ICFSR POSTER PROGRAM

ONLINE (via the ICFSR digital platform)

## 2 - COGNITIVE FRAILITY

- **Predictors of cognitive and physical frailty in aging**

*Natalia Prokopenko, State Institute of Gerontology of the National Ukrainian Academy of Medical Sciences, Kiev (Ukraine)*

- **Cognitive Frailty and Its Association with Nutrition in Community-Dwelling Older People**

*Teresa Juarez-Cedillo, Instituto Mexicano del Seguro Social, Mexico (Mexico)*

*Starzl Transplantation Institute and Center for Liver Diseases, University of Pittsburgh School of Medicine, Pittsburgh, PA (USA)*

## 3 - COVID 19 & FRAILTY AND SARCOPENIA

- **Factors for frailty transition during the COVID-19 pandemic based on prospective cohort study over 6- and 12-month period in Japan**

*Tomoyuki Shinohara, PT, PhD, Department of Physical Therapy, Faculty of Health Care, Takasaki University of Health and Welfare, Takasaki, Gunma, (Japan)*

## 4 - E-HEALTH, DIGITAL TOOL

- **Portuguese Frailty Prevalence using a mHealth Tool: the FRAILSURVEY App**

*Luis Midao, Associate Laboratory i4HB - Institute for Health and Bioeconomy, Faculty of Pharmacy, University of Porto, (Portugal)*

## 5 - CLINICAL TRIAL AND THERAPEUTICS

- **Management of malnutrition based on multidisciplinary team decision-making in Chinese older adults**

*Tong Ji, Xuanwu Hospital Capital Medical University, Beijing (China)*

- **An Open Metabolic Clinical Trial to Evaluate the Effects of Propranolol in Combination with an NSAID (Etodolac) on Protein metabolism and Inflammatory Markers in Subjects Diagnosed with Metastatic Cancer**

*Shing-Shing Yeh MD, PhD, Northport VAMC, New York (USA)*

- **Application of AI Feedback Assistive Strengthening Ergometer (AIFASE) for Preventing Functional Decline among Hospitalized Older Adults**

*Chia-Ming Chang, MD, Department of Geriatrics and Gerontology, National Cheng Kung University Hospital, Tainan, Taiwan - Institute of Gerontology, College of Medicine, National Cheng Kung University, Tainan, Taiwan - Department of Medicine, College of Medicine, National Cheng Kung University, Tainan, (Taiwan)*

## 6 - OSTEOPOROSIS & FRAILITY

- **Osteosarcopenic Obesity: The interrelationship between fat, bone and muscle and their associations to total and bioavailable 25(OH)D levels in postmenopausal women**

*Nardunia Zainol Abidin, Lifestyle Science Cluster, AMDI, Universiti Sains Malaysia, 13200, Bertam, (Malaysia)*

- **Correlation of osteoporosis with length of stay in elderly patients with fall by using opportunistic assessment with computed tomography**

*Martin Doss, Liverpool Hospital, Sydney (Australia)*

- **Impact of the age-associated changes in the MSC-conditioned media on the resorption potential of the monocyte-derived osteoclasts and its modulation via Cdc42 inhibition**

*Yuliya Safarova, PhD, National Laboratory Astana, Nazarbayev University, Nur-Sultan, (Kazakhstan)*

- **Polypharmacy is Significantly and Positively Associated with the Study of Osteoporotic Fractures Scale**

*Chen-Cheng Yang, Kaohsiung Municipal Siaogang Hospital, Kaohsiung City (Taiwan)*

- **Working memory and anxiety are associated to 25(OH)D levels in postmenopausal women with osteoporosis**

*Sardella Alberto, PsyD, PhD, Department of Clinical and Experimental Medicine, University of Messina, Messina, (Italy)*

- **The relationship between sarcopenia classification and thigh muscle mass, fat area, muscle CT value and osteoporosis**

*Kanae Kuriyama, Department of Orthopaedic Surgery, Nagoya University Graduate School of Medicine, Nagoya, Aichi, (Japan)*

# PRELIMINARY ICFSR POSTER PROGRAM

ONLINE (via the ICFSR digital platform)

## 8 - NUTRITION AND AGING

- **Exploring Nurse's Role in response to Prevent Malnutrition of hospitalized patents in Nekemte Referral Hospital, Western Ethiopia**  
*Birtukan Kebede Moti, Wollega University, Addis Abeba, Oromia Regional State, (Ethiopia)*
- **Related factors of frailty in older adults residing in long-term care facilities in Korea: preliminary results of an ongoing prospective study**  
*SeolHwa Moon, School of Nursing, Hanyang University, Seoul, (Korea)*
- **What is the additive value of nutritional screening tool from labs to the VA-FI?**  
*Seulgi Erica Kim, VA HSR&D, Center for Innovations in Quality, Effectiveness and Safety, Michael E. DeBakey VA Medical Center, Houston, TX - Baylor College of Medicine, Houston, Texas, (USA)*
- **Protein intake and sarcopenic obesity in individuals around retirement age**  
*Doris Eglseer, PhD, Medical University Graz, Institute of Nursing Science, Graz, (Austria)*

## 9 - EPIDEMIOLOGY

- **Prevalence of depressive symptoms and the association with medical conditions among community-dwelling older adults in China: From China Comprehensive Geriatric Assessment Study**  
*Li Zhang, Department of Geriatrics, Xuanwu Hospital Capital Medical University, National Clinical Research Center for Geriatric Diseases, Beijing (China)*
- **Visual Impairment and Physical Frailty in Sub-Saharan Africa**  
*Maturin Tabue Tegu, MD, PhD, CHU de Guadeloupe (France)*
- **Prevalence and fourteen-year incidence of sarcopenia and its associated factors in older people: findings from a longitudinal Chinese cohort study**  
*Yu Ruby, PhD, Department of Medicine & Therapeutics, Faculty of Medicine, The Chinese University of Hong Kong, Hong Kong (China)*
- **Relationship between psychological distress and physical frailty of the community-dwelling older Japanese adults: the Itoshima Frail Study**  
*Hiro Kishimoto, Faculty of Arts and Science, Kyushu University - Department of Behavior and Health Sciences, Graduate School of Human-Environment Studies, Kyushu University (Japan)*
- **Prevalence of Frailty in the Middle East region: Systematic Review and Meta-Analysis**  
*Bader A. Alqahtani PhD, Department of Health and Rehabilitation sciences, Prince Sattam Bin Abdulaziz University Prince Sattam Bin Abdulaziz University, Al-Kharj – (Kingdom of Saudi Arabia)*
- **Serum DHEA-S levels and physical frailty in older Japanese community-dwellers**  
*Shu Zhang PhD, Department of Epidemiology of Aging, Center for Gerontology and Social Science, National Center for Geriatrics and Gerontology, Aichi, (Japan)*

## 11 - BIOMARKERS AND AGING

- **The advanced lung cancer inflammation index is the optimal inflammatory biomarker of overall survival in patients with lung cancer**  
*Mengmeng Song MD, Department of Gastrointestinal Surgery/Clinical Nutrition, Capital Medical University Affiliated Beijing Shijitan Hospital, Beijing (China)*
- **Do innate and adaptive immune markers correlate with physical function in older adults? – A pilot analysis**  
*Thomas Laskow MD, Johns Hopkins School of Medicine, Baltimore, MD, (USA)*

## 13 - PHYSICAL EXERCISE

- **A new rehabilitation complex for muscle strength deficit correction and movement disorders in case of obesity**  
*Valeria Vasileva, V.A. National Medical Research Center for Rehabilitation and Balneology, Moscow (Russia)*
- **Response-Dependent Knee Extension Strength: a Comparison between the Fried and Kihon Checklist (KCL) Criteria**  
*Yasuo Suzuki PhD, Nihon Fukushi University - National Center for Geriatrics and Gerontology (Japan)*

## 14 - INTEGRATED CARE (ICOPE)

- **Tellegacy: Virtual Intergenerational Program for Isolation and Loneliness of Older Adults**  
*Jeremy Holloway, PhD, Geriatric Department, University of North Dakota, Grand Forks, ND, (US)*

# PRELIMINARY ICFSR POSTER PROGRAM

ONLINE (via the ICFSR digital platform)

## 15 - BODY COMPOSITION

- **The Effect of Skeletal Muscle Index on Overall Survival in Nonoperative Esophageal Cancer: A Systematic Review and Meta-Analysis**  
*Uzair Jogi* MD, Division of Thoracic Surgery, Department of Surgery, University of Alberta, Edmonton, (Canada)
- **Body composition and frailty syndrome of older adults: Results from a community-dwelling rural population in India**  
*Sayani Das*, MPhil-Biological Anthropology Unit, Indian Statistical Institute, Kolkata, (India)
- **Body composition of long-living patients with coronary artery disease**  
*Svetlana Topolyanskaya*, First Moscow State Medical University (Sechenov University), Moscow (Russia)
- **A comparison of CT assessed skeletal muscle mass at thoracic and lumbar vertebral levels to assess sarcopenia in pre-operative patients with rectal cancer**  
*Aisha A Arayne*, Department of Surgery, Western Health, Footscray, Victoria, (Australia)
- **Phase angle is associated with lower limb motor function in the older**  
*Takafumi Mizuno* MD, PhD, Department of Orthopaedic Surgery, Nagoya University Graduate School of Medicine, Nagoya, Aichi - Department of Musculoskeletal Disease, National Center for Geriatrics and Gerontology, Obu, Aichi, (Japan)
- **Characteristics of the phase angle in older Japanese adults with frailty, sarcopenia, and locomotive syndrome**  
*Shuji Sawada*, PhD, Juntendo University, Chiba - Suzuki Kei Yasuragi Clinic, Tokyo, (Japan)
- **The Effect of Skeletal Muscle Index on Overall Survival in Nonoperative Esophageal Cancer: A Systematic Review and Meta-Analysis**  
*Uzair Jogi* MD, Division of Thoracic Surgery, Department of Surgery, University of Alberta, Edmonton, (Canada)
- **Handgrip weakness, systemic inflammation indicators, and overall survival in lung cancer patients with well performance status: a large multicenter observational study**  
*Mengmeng Song*, MD, Dept of Gastrointestinal Surgery/Clinical Nutrition, Capital Medical University Affiliated Beijing Shijitan Hospital, (China)
- **Body composition, bone mineral density and life quality in postmenopausal women with metabolic syndrome and previous fracture**  
*Natalya Grygorieva*, Institute of Gerontology named after D.F.Chebotarev NAMS Ukraine, Kyiv, (Ukraine)
- **Nutritional status quantitatively impacts on the skeletal muscle mass of older adults enrolled in a resistance training program: a cross-sectional study**  
*Leonardo Santos Lopes da Silva*, University of Sao Paulo (Brazil)

## 16 - BIOLOGY OF FRAILITY

- **A Multifactorial Approach for Sarcopenia Assessment**  
*Rashmi Supriya*, Centre for Health and Exercise Science Research, Department of Sport, Physical Education and Health, Hong Kong Baptist University, Kowloon Tong (Hong Kong)
- **Relationship between dementia and quadriceps muscle mass and quality**  
*Yasumoto Matsui*, MD, PhD, National Center for Geriatrics and Gerontology, (Japan)