Welcome by the Organizing Committee
Roger Fielding (Boston, USA), Jack Guralnik (Philadelphia, USA), Matteo Cesari, Bruno Vellas, (Toulouse, France)

KEYNOTE 1: EPIDEMIOLOGY OF SARCOPENIA: DETERMINANTS THROUGHOUT THE LIFECOURSE
Chairman: Roger Fielding (Boston, USA)
Cyrus Cooper University of Oxford (UK)

SYMPOSIUM 1: WHAT WE HAVE LEARNED FROM LARGE CLINICAL TRIAL ON FRAILTY AND SARCOPENIA
Chairmen: Roger Fielding Tufts University (Boston, USA), Shalender Bhasin (Boston, USA), Bruno Vellas, (Gérontopôle Toulouse, France)
• What we have learned from testosterone trials?
Shalender Bhasin Harvard Medical School - Boston - (USA)
• Lessons learned from sarcopenia drug trials:
Roger Fielding Tufts University - Boston - (USA)
• MAPT Trial: Mobility and cognitive endpoint:
Bruno Vellas Gérontopôle - Toulouse - (France)

ORAL COMMUNICATIONS:
Chairman: Bruno Vellas (Toulouse, France)

OC1: Changes in Body Composition relative to Physical Activity Changes in Older Men: The MrOS study
Deepika Laddu PhD (1), 1Stanford Prevention Research Center, Department of Medicine, Stanford University, Stanford, CA, Peggy Cavthon, PhD (2), Neeta Parimi (2), Andrew Hoffman, MD (3), Eric Orwoll, MD (4), Iva Miljkovic, MD, Phd (5), Tien L Dam, MD (6), Marcia Stefanick, PhD (1) - (2) San Francisco Coordinating Center, California Pacific Medical Center Research Institute, San Francisco, CA - (3) Department of Medicine, Stanford University, Stanford, CA - (4) Department of Medicine, Oregon Health & Sciences University, Portland, OR - (5) Department of Epidemiology, University of Pittsburgh, Pittsburgh, PA - (6) Department of Medicine, Columbia University, New York, NY, (USA)

OC2: Psoas Muscle Area and Muscle Fat Infiltration Before and After Antiretroviral Therapy Initiation in HIV Infection
Fadzai Masawi (1), MS, Suzanne Fiorillo, MSPH (1), Jordan E. Lake, MD, MSc (2), Grace A. McComsey, MD (3), Todd T Brown, MD, PhD (4), Ann Scherzinger, PhD (1) - (1) Kristine M. Erlandson, MD, MSc (1) - (1) University of Colorado-Anschutz Medical Center; Aurora, CO (2) University of California, Los Angeles, CA (3) Case Western University; Cleveland, OH (4) Johns Hopkins University; Baltimore, MD, (USA)

Coffee Break and Posters

SYMPOSIUM 2: MUSCLE QUALITY IN SKELETAL MUSCLE FUNCTION DEFICIT AND OTHER AGINGRELATED MUSCLE DYSFUNCTIONS: THE NEED FOR STANDARDIZED ASSESSMENT
Chairman: Anne B. Newman, MD, MPH, Center for Aging and Population Health, Graduate School of Public Health, University of Pittsburgh, Pennsylvania, (USA)
Todd Mannini, PhD, Institute on Aging, University of Florida College of Medicine, Gainesville, Florida, (USA)
• The Use of Standard Imaging Measures of Muscle Quality: Effects of Myosteatosis on Muscle Performance and Metabolic Status. Determinants of Muscle
Iva Miljkovic, MD, PhD, Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pennsylvania, (USA)
• Alternative Clinical Imaging Measures of Muscle Quality: Impact of Muscle Quality on Functional Performance and Sarcopenia Staging.
Michael O. Harris-Love, DSc, MPT, VA Medical Center and The Milken Institute School of Public Health, George Washington University, (USA)

KEYNOTE 2: “A MONOCLONAL ANTIBODY FOR TREATMENT OF MUSCLE WASTING”
Chairman: Matteo Cesari (Toulouse, France)
Ronenn Roubenoff, Novartis Institutes for Biomedical Research, Cambridge, MA, USA and Basel, (Switzerland)

Lunch Break and Posters

Parallel Sessions • Ballroom 1

ORAL COMMUNICATIONS:
Chairmen: Jack Guralnik (Baltimore, USA), Marco Narici (Nottingham, UK)

OC3: Blood Based Bioenergetic Profiling Reports on Muscle Mitochondrial Function and is Associated with Multiple Measures of Physical Ability
Daniel J Tyrell (1), Manish Bhardwaj, PhD (1), Thomas C. Register, PhD (2), Anthony J.A. Molina, PhD (1) - (1) Sticht Center on Aging and Department of Internal Medicine, Section on Gerontology and Geriatrics, Wake Forest School of Medicine, Winston-Salem, North Carolina (2) Center for Comparative Medicine Research, Wake Forest School of Medicine, Winston-Salem, North Carolina (USA)

OC4: Low lean mass exaggerates the hemodynamic responses to muscle metaboreflex activation in postmenopausal women
Arturo Figueroa, MD, PhD Department of Nutrition, Food and Exercise Sciences, Florida State University, USA, Salvador J Jaime, MS (1) Sarah A. Johnson, PhD (2) Stacey Alvarez-Alvarado, MS (1) Jeremiah C. Campbell, MS (1) Rafaela G. Feresin, PhD (3) Marcus L. Elam, PhD (4) Bahram H. Arjmandi, PhD (1) - (2) Department of Food Science and Human Nutrition, Colorado State University, Fort Collins, USA - (3) Department of Dietetics and Nutrition, University of Arkansas for Medical Sciences, Little Rock, USA - (4) Department of Human Nutrition and Food Science, California State Polytechnic University, Pomona, (USA)

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**Thursday 28th April 2016**

**WELCOME RECEPTION**

*To have access to the reception, please present your invitation card or conference badge.*

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**2:00pm**  
**OCS: Self-reported difficulty with physical function is a significant predictor of future declines in cognitive function**  
**Masato Nakazawa, PhD (1,2,3) Arimi Friti, PhD(1) Julie Suh, PhD (1,4) and Brian C. Clark, PhD (1,2,5) - (1) Ohio Musculoskeletal & Neurological Institute (OMNI), Ohio University, Athens, OH, USA - (2) Department of Biomedical Sciences, Ohio University, Athens, OH, USA - (3) Office of Research and Grants Biostatistics Division, Heritage College of Medicine, Ohio University, Athens, OH, USA - (4) Department of Psychology, Ohio University, Athens, OH, USA - (5) Department of Geriatric Medicine, Ohio University, Athens, OH, USA*  

**2:15pm**  
**OC6: Dancing in old age afford neuromuscular protection**  
**Marco Narci (1), Kathrin Rehfeld (2), Notger Müller (3) Debbie Rankin (1), and Anita Hökelmann (2) - (1) University of Nottingham, School of Graduate Entry Medicine and Health, Derby Royal Hospital, Derby, United Kingdom - (2) Otto-von-Guericke-Universität Magdeburg, Institut für Sportwissenschaft, Magdeburg, Germany - (3) German Centre for Neurodegenerative Diseases (DZNE), Helmholtz Association, Magdeburg, Germany**

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**2:30/3:30pm**  
**SYMPOSIUM 3: A Mouse Model of Chronic Inflammation, Sarcopenia and Phenotypic Frailty**  
**Chairman: Jeremy D. Walston, MD, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, Maryland (USA)**  
**• Age- and Inflammation-related Alterations in the Renin Angiotensin System Mediate Pathological Changes in Cardiomyocytes**  
**Peter Abadir MD, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, Maryland, (USA)**  
**• Skeletal Muscle Declines in the IL-10 KO Mouse**  
**Tyesha N. Burks, PhD, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, Maryland, (USA)**  
**• The Metabolic Characterization of the Interleukin-10tm1Cgn Mouse**  
**Reyhan Westbrook, PhD1, Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, USA**

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**3:30/4:00pm**  
**COFFEE BREAK AND POSTERS**

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**4:00/4:30pm**  
**KEYNOTE 3: “SKELETAL MUSCLE FAT INFILTRATION WITH AGING: SHIFTING THE SARCOPENIA PARADIGM”**  
**Chairman: Yves Rolland (Toulouse - France)**  
**Brett Goodpaster, Florida Hospital, Sanford Burnham Medical Research Institute, Orlando, FL, USA**

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**4:30/5:30pm**  
**SYMPOSIUM 4: Physical Frailty and Sarcopenia: Magnitude of the problem and possible solutions**  
**Chairmen: Francesco Landi, Department of Geriatrics, Neurosciences and Orthopedics – Catholic University of the Sacred Heart, Rome, (Italy), Matteo Cesari, Gérontopôle de Toulouse, INSERM 1027, Toulouse University Hospital, (France)**  
**• Prevalence of Sarcopenia in frail older adults - Results from the Frailty Day Hospital**  
**Gabor Abellan van Kan, MDZ (2) Gérontopôle de Toulouse. INSERM 1027, Toulouse University Hospital, Matteo Cesari, MD, PhD (2), Sandrine Sourdet, MD (2), Bruno Velless, MD, PhD (2) - (2) Gérontopôle de Toulouse. INSERM 1027. Toulouse University Hospital, (France)**  
**• Physical activity to contrast physical frailty and sarcopenia**  
**Matteo Tosato, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy, Emanuele Marzetti, MD PhD (1), Riccardo Calvani, PhD (1), Anna Maria Martone, MD (1), Elena Ortolani, MD (1), Francesco Landi, MD, PhD (1) (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, (Rome, Italy)**  
**• Role of nutrition in physical frailty and sarcopenia**  
**Riccardo Calvani, PhD1 (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy - Emanuele Marzetti, MD PhD (1), Matteo Tosato, MD, PhD (1), Anna Maria Martone, MD (1), Elena Ortolani, MD (1), Francesco Landi, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, (Italy)**  
**• SPRINTT clinical trial deployment**  
**Emanuele Marzetti, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, Italy - Riccardo Calvani, PhD (1), Matteo Tosato, MD, PhD (1), Anna Maria Martone, MD (1), Elena Ortolani, MD (1), Francesco Landi, MD, PhD (1) - (1) Department of Geriatrics, Neurosciences and Orthopedics - Catholic University of the Sacred Heart, Rome, (Italy)**

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**5:30/6:00pm**  
**ORAL COMMUNICATIONS**  
**Chairmen: Yves Rolland (Toulouse, France), Jonathan Quinlan (Nottingham, UK)**

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**5:30pm**  
**OC7: Bioactive Collagen Peptides as a new concept for the treatment of sarcopenia – overview of the current research**  
**Steffen Oesser, Collagen Research Institute Schaunberger str. 116 24118 Kiel (Germany)**

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**5:45pm**  
**OC8: The decline in rate of torque development with ageing is associated with a decrease in tendon stiffness**  
**Jonathan Quinlan (1), MRC–ARUK Centre of Excellence for Musculoskeletal Ageing Research, Division of Medical Sciences & Graduate Entry Medicine, School of Medicine, University of Nottingham, Derby, UK - Martino V Franchi (1), Bethan E Phillips (1), PaulGreenhaff (2), NathanielSzewczyk (1), Phillip J Atherton (1), Kenneth Smith (1), Costantinos N Maganaris (3) & Marco V Narci (1) - (1) MRC–ARUK Centre of Excellence for Musculoskeletal Ageing Research, Division of Medical Sciences & Graduate Entry Medicine, School of Medicine, University of Nottingham, Derby, UK (2) MRC–ARUK Centre of Excellence for Musculoskeletal Ageing Research, School of Life Sciences, University of Nottingham, QMC, Nottingham, UK. (3) Research Institute for Sport and Exercise Sciences, Liverpool John Moores University, Liverpool, UK.**
PARALLEL SESSIONS • BALLROOM 2

Thursday 28th April 2016

1:30/2:30 pm SYMPOSIUM 5: Models of Care For Frail Older People In The Community
Chairman: Renuka Visvanathan, PhD, Director, Adelaide Geriatrics Training and Research with Aged Care (GTRAC) Centre and Lead, Centre of Research Excellence: Frailty Trans-disciplinary Research To Achieve Healthy Ageing, University of Adelaide, (South Australia)

• Frailty levels in residential aged care facilities measured with the Frailty Index and FRAIL-NH Scale
  Olga Theou PhD Geriatric Medicine, Dalhousie University and Nova Scotia Health Authority, Halifax, Nova Scotia, Canada & Centre of Research Excellence: Frailty Trans-disciplinary Research To Achieve Healthy Ageing, University of Adelaide, (South Australia)

• Approaches to frailty treatment in frail and pre-frail community living older people
  Renuka Visvanathan PhD, Director, Adelaide Geriatrics Training and Research with Aged Care (GTRAC) Centre and Lead, Centre of Research Excellence: Frailty Trans-disciplinary Research To Achieve Healthy Ageing, University of Adelaide, (South Australia)

• Towards a Patient Centred Virtual Orthogeriatric Liaison Service - lessons from a hip fracture outcomes study
  Mellick Chehade, PhD Orthopaedic and Trauma Surgeon, Discipline of Orthopaedics and Trauma, The University of Adelaide, Adelaide, Australia & Centre of Research Excellence: Frailty Trans-disciplinary Research To Achieve Healthy Ageing, University of Adelaide, (South Australia)

2:30/3:30 pm ORAL COMMUNICATIONS

2:30 pm OC9: Efficiency of oral supplementation for malnourished nursing home residents: Results of the PRESAGE study
  Y Rolland, D Seguy, C Bonhomme, G Abellan, S Walrand, Y Boirie, B Vellas Toulouse, (France)

2:45 pm OC10: Characterization of the Lean-Fat Mass Associations in Age, Sex, and Racial Groups and the Development of Fat-adjusted Measures of Low Lean Mass and Sarcopenia
  Joshua F. Baker (1,2,3) (1)Philadelphia Veterans Affairs Medical Center, Philadelphia, (2) University of Pennsylvania, School of Medicine, Philadelphia, (3) Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania, Philadelphia, David Weber (4) Jin Long6 - Mary B. Leonard (6) - Babette Jager-Wittenaar, PhD, RD (1,2) E.V.A. Gorter BSc (1), J.S.M. Hobelen PhD PT (1), C.P. van der Schans, PhD PT (1,3) - (1) Research Group Healthy Ageing, Allied Health Care and Nursing, Hanze University of Applied Sciences, Groningen, The Netherlands (2) Department of Oral and Maxillofacial Surgery, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands (3) Department of Rehabilitation Medicine, University of Groningen, University Medical Center Groningen, Groningen, (The Netherlands)

3:00 pm OC11: The validity and reliability of a hand-held ultrasound device to measure muscle size
  W. Nijholt, MSc, Research Group Healthy Ageing, Allied Health Care and Nursing, Hanze University of Applied Sciences, Groningen, Netherlands - H Jager-Wittenaar, PhD, RD (1,2) E.V.A. Gorter BSc (1), J.S.M. Hobelen PhD PT (1), C.P. van der Schans, PhD PT (1,3) - (1) Research Group Healthy Ageing, Allied Health Care and Nursing, Hanze University of Applied Sciences, Groningen, The Netherlands (2) Department of Oral and Maxillofacial Surgery, University of Groningen, University Medical Center Groningen, Groningen, The Netherlands (3) Department of Rehabilitation Medicine, University of Groningen, University Medical Center Groningen, Groningen, (The Netherlands)

3:15 pm OC12: Frailty and Computed Tomography (CT) Assessed Body Composition in Older Adults with Cancer
  Grant R. Williams MD, UNC Lineberger Comprehensive Cancer Center, Chapel Hill, NC - Allison M. Deal MS (1), Hyman B. Muss MD (1), Hanna K. Sanoff MD MPH (1), Marc S. Weinberg PhD (2), and Shlomit Strulov Shachar M D (1,3) (1) UNC Lineberger Comprehensive Cancer Center, Chapel Hill, NC (2) University of North Carolina School of Medicine, Chapel Hill, NC (3) Division of Oncology, Rambam Health Care Campus, Haifa, Israel

3:30/4:00 pm COFFEE BREAK AND POSTERS

4:00/5:00 pm SYMPOSIUM 6: Kinetic and Static Biomarkers for changing skeletal muscle mass and function: Stable isotope research comes of age
Chairman: William Evans, KineMed and Division of Geriatrics, Duke University (USA)

• Stable Isotope research comes of age: 2H2O labeling and kinetic biomarkers as predictors of effects of disease and treatment
  Marc Hellerstein, KineMed and Department of Nutrition, University of California, Berkeley (USA)

• Rate of Muscle Protein Synthesis as a Biomarker for Muscle Wasting and Anabolic Response
  William Evans, KineMed and Division of Geriatrics, Duke University (USA)

• Creatine Dilution for the measurement of muscle mass in old men: Association with functional status in the MrOs trial
  Eric Orwoll, Oregon Health & Science University (USA)

5:00/5:45 pm ORAL COMMUNICATIONS

5:00 pm OC13: Impact of a structured physical activity program and nutritional supplementation on regional body composition: results from the Vitality, Independence, and Vigor in the Elderly 2 Study (VIVE2)
  Roger A. Fielding (1)Dylan R. Kirn (1), Afsaneh Koochek (2), Kieran F. Reid (1), Jonathan C. Laussen (1), Thomas Gustafsson (3), Tommy Cedergren (2) (1) Nutrition, Exercise Physiology, and Sarcopenia Laboratory, Jean Mayer USDA Human Nutrition Research Center on Aging, Tufts University, Boston, Massachusetts. (2) Clinical Nutrition and Metabolism, Department of Public Health and Caring Sciences, Uppsala University, Uppsala, Sweden. (3) Department of Laboratory Medicine, Karolinska Institutet, Stockholm, Sweden

5:15 pm OC14: Blockade of Myostatin activation specifically and potently enhances muscle growth in vivo

5:30 pm OC15: Frailty and health care utilization in older community dwelling veterans
  Miriam Zylbergliat Lisigurski - Jackson Memorial Hospital, University of Miami Miller School of Medicine and Geriatric Research, Education and Clinical Center Bruce W. Carter Miami VAMC Miriam Zylbergliat Lisigurski MD, Yolin Bueno MD, Chandana Karanam MD, Sisir Akkineni MD, Victor Cevallos MD, and Jorge G. Ruiz, MD. Jackson Memorial Hospital, Miami VA Healthcare System Geriatric Research, Education and Clinical Center (GRECC), University of Miami Miller School of Medicine
PARALLEL SESSIONS • BALLROOM 1

8:00/9:00am

ORAL COMMUNICATIONS
Chairmen: Matteo Cesari (Toulouse, France), Kenneth L.Seldeen (Buffalo, USA)

8:00am

OC16: Higher UPDRS3-score is associated with early stage sarcopenia
Sandra E. Hasmann, MD (1,2), Michael Drey, MD PhD (1,2), Jan-Peter Krenovsky (1), Wael Maetzel, MD PhD (3) - (1)Medizinische Klinik und Poliklinik IV (Internal Medicine), Section Geriatrics, Klinikum der Universität München (LMU), München (2) Institute for Biomedicine of Aging, University of Erlangen Nürnberg, Nürnberg, Germany (3) Hertie Institute for Clinical Brain Research and University Hospital of Neurology, section Neurodegenerative Diseases, Tübingen

8:15am

OC17: High Intensity Interval Training (HIIT) increases muscle mass, improves physical performance, and reduces frailty in aged mice
Kenneth L. Seldeen, PhD, Division of Geriatrics and Palliative Medicine, Department of Medicine, University at Buffalo, & Research Service, Veteran Affairs Western New York Healthcare System, Buffalo, NY - Merced Leiker, MS & Bruce R. Troen, MD Division of Geriatrics and Palliative Medicine, Department of Medicine, University at Buffalo, & Research Service, Veteran Affairs Western New York Healthcare System, Buffalo, NY (USA)

8:30am

OC18: Influenza vaccine response in community-dwelling German prefrail/frail older persons
Jürgen Bauer, MD, PhD (1) Rebecca Diekmann, PhD (1) Celine Romagny (2) Antonio De Castro (2) Sonja Nodland, PhD (3)Jail Benyacoub, PhD (2) Karine Vidal, PhD2 - (1) Department of Geriatric Medicine, Carl von Ossietzky University Oldenburg, Germany (2) Nestlé Research Center, Lausanne, Switzerland (3) Bioterra Health Inc, a subsidiary of Kerry Group PLC, Eagan, MN, (USA)

8:45am

OC19: Outpatient Comprehensive Geriatric Assessment - Effects on frailty in community dwelling elderly people with multimorbidity - an RCT.
Amelie Lindh Mazy, MD PhD student (1,2) - (1) Department of Neurobiology, Care sciences and Society, Karolinska Institutet, Stockholm, Sweden (2) Geriatric Department of Danderyd Hospital, Stockholm, Sweden - Anne Ekdahl, MD PhD (1,3) Peter Garvin PhD MHP (4), Mitra Unossun RN PhD (5) - (3) Department of research and education, Helsingborg hospital, Region Skåne, Sweden (4) Unit of Research and Development in Local Health Care, Region of Östergötland, Linköping, Sweden (5) Department of Social and Welfare Studies, Linköping University, (Sweden)

9:00/10:00am

SYMPOSIUM 7: Muscle Indices Underlying Functional Decline in Aging Populations
Chairman: Brock Beamer, MD, Division of Gerontology and Geriatric Medicine, Baltimore VAMC GRECC and Department of Medicine, University of Maryland School of Medicine, Baltimore, MD, (USA)

• Conditions of muscle disease related disablement
Alice S. Ryan, PhD, VA Research Service, Division of Gerontology and Geriatric Medicine, Department of Medicine, University of Maryland School of Medicine, Baltimore VAMC GRECC Baltimore, MD, (USA)

• Specificity of muscle changes and risk of falls
Odessa Addison, DPT, PhD, VA Research Service, Division of Gerontology and Geriatric Medicine, Department of Medicine, University of Maryland School of Medicine, Baltimore VAMC GRECC Baltimore, MD, (USA)

• Translating science into rehabilitation interventions
Mario Inacio, Department of Physical Therapy and Rehabilitation Science, University of Maryland School of Medicine, Baltimore, MD, (USA)

10:00/10:30am

KEYNOTE 4: EMA GUIDANCE ON BASELINE FRAILTY CHARACTERIZATION OF CLINICAL TRIALS POPULATIONS FOR DRUG REGISTRATION
Chairman: Bruno Vellas (Toulouse, France)
Francesca Cerreta, European Medicines Agency (Italy)

10:30/11:00am

COFFEE BREAK AND POSTERS

11:00/12:00am

ORAL COMMUNICATIONS:
Chairmen: Jacques Yves Reginster (Liege, Belgium), Johanna T Dwyer (Bethesda, USA)

11:00am

OC20: Results of geriatric cardiac surgery co-management of frail older patients with valvular heart disease
Elena Ortolani, MD (1) - (1) Department of Geriatrics, Neurosciences and Orthopaedics, Teaching Hospital “Agostino Gemelli”, Catholic University of the Sacred, Rome, Italy - Natalia Pavone, MD (2), Sara Forcina, BSc (2), Massimo Massetti, MD (2), Roberto Bernabei, MD (1), Emanuele Marzetti, MD, PhD (1)(1) Department of Geriatrics, Neuromuscular and Neurodegenerative Diseases, Teaching Hospital “Agostino Gemelli”, Catholic University of the Sacred, Rome, Italy (2) Department of Cardiovascular Sciences, Catholic University of the Sacred Heart, Rome, Italy (Italy)

11:15am

OC21: The Physical Frailty Phenotype in Adults of All Ages with End Stage Renal Disease (ESRD)
Mara A. McAdams-DeMarco (1,2) Hao Ying ScM (1), Israel Olorundare MPH (1) Elizabeth King MD (1), Brian Buta MHS (4), Alden Gross PhD (2), Karen Bandeen-Roche PhD (3) Jeremy Walston MD (4), Dorry L. Segev MD PhD (1,2) - (1) Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD (2) Department of Epidemiology, Johns Hopkins School of Public Health, Baltimore, MD (3) Department of Biostatistics, Johns Hopkins School of Public Health, Baltimore, MD (4) Division of Geriatric Medicine and Gerontology, Johns Hopkins University School of Medicine, Baltimore, (USA)

11:30am

OC22: How is frailty identified and managed in emergency and acute care? A scoping review of evidence and policy
Olga Theou (1) Kayla Mallery (1), Judah Goldstein (2), Joshua Armstrong (1), Jennifer Greene (2), Beverley Douglas (1), Breagh Devereaux (1), Jacques Lee (3), Kenneth Rockwood (1) - (1) Geriatric Medicine, Dalhousie University and Nova Scotia Health Authority, Halifax, Nova Scotia, Canada (2) Emergency Health Services Nova Scotia, Halifax, Nova Scotia, Canada (3) Sunnybrook Research Institute, Toronto, Ontario, (Canada)

11:45am

OC23: Dietary Supplements Marketed with Label Statements on Aging, Sarcopenia and Frailty in the NIH’s Dietary Supplement Label Database (DSDL)
Johanna T Dwyer, Office of Dietary Supplements, National Institutes of Health, Bethesda, MD, USA - Richard Baillein MBA, MHSA Office of Dietary Supplements, National Institutes of Health, Bethesda, MD, (USA)
12:00/12:30am **KEYNOTE 5: “WHAT ABOUT FAT? FRAILTY AND SARCOPENIA IN THE OBESITY ERA”**
Chairman: Leocadio Rodríguez Manas (Madrid, Spain)
**Stephen B. Kritchevsky**, the Wake Forest School of Medicine, (Winston-Salem, NC, USA)

12:30/1:30pm **LUNCH BREAK AND POSTERS**

1:30/3:30pm **ORAL COMMUNICATIONS**
Chairmen: Bertrand Fougère (Toulouse, France), G. Travison (Boston, USA)

1:30pm **OC24: Inter-muscular Adipose Tissue is associated with raised levels of novel biomarker MCP-1 and poorer performance characteristics in a group of community dwelling older adults**
*Lim JP* (1,2) (1) Department of Geriatric medicine. Tan Tock Seng Hospital. Singapore - (2) Institut of Geriatrics and Active Ageing. Tan Tock Seng Hospital. (Singapore)

1:45pm **OC25: Magnetic Resonance Imaging (MRI) and Spectroscopy (MRS) in Sarcopenia to visualize muscle morphology and quantify muscle fat**
Alexandra Grimm (1,2) Heiko Meyer, PhD (2), Mathias Nittka, PhD (2), Esther Raithel, PhD (2), Andreas Friedberger (1), Marc Teschler (1), Michael Uder, MD, PhD (3), Wolfgang Kammler, PhD (1), Harald H. Quick, PhD (1,4) *Klaus Engelke*, PhD (1) - (1) Institute of Medical Physics, University Erlangen Nuremberg, Erlangen, Germany - (2) Siemens Healthcare GmbH, Product Definition & Innovation, Erlangen, Germany - (3) Institute of Radiology, University Hospital Erlangen, Erlangen, Germany - (4) Erwin L. Hahn Institute for Magnetic Resonance Imaging, University Duisburg-Essen, Essen, (Germany)

2:00pm **OC26: Feasibility and predictive validity for measurement of frailty in patients with cardiac implantable electrical devices (CIEDs)**
Daniel B. Kramer, MD (123), Timothy Tsai, MPH (1), Poorna P. Natarajan, MBBS2, Elise Tewksbury, RN, BSN, Susan L. Mitchell, MD MPH(123), *Thomas. G. Travison*, PhD (123) - (1) Hebrew SeniorLife Institute for Aging Research, Roslindale, MA (2) Beth Israel Deaconess Medical Center, Boston, MA (3) Harvard Medical School, Boston, MA Senior authors contributed equally - Thomas G. Travison, PhD Hebrew SeniorLife Institute for Aging Research, Harvard Medical School, Boston, MA - Daniel B. Kramer, MD (123), Timothy Tsai, MPH(1), Poorna P. Natarajan, MBBS2, Elise Tewksbury, RN, BSN, Susan L. Mitchell, MD MPH (123) - (2) Beth Israel Deaconess Medical Center, Boston, MA - (3) Harvard Medical School, Boston, MA, (USA)

2:15pm **OC27: Prevalence of sarcopenia in a population of nursing home residents according to their frailty status: results of the SENIOR cohort**
*F. Buckinx* (1,2) JY. Reginster (1,2) C. Beaudart (1,2) JL. Croisier (3) J. Petermans (4) O. Bruyère (1,2,3) - (1) Department of Public Health, Epidemiology and Health Economics, University of Liège, Belgium - (2) Support Unit in methodology and Biostatistics, University of Liège, Belgium - (3) Department of Motoricity Sciences, University of Liège, Belgium - (4) Department of Geriatrics, CHU of Liège, (Belgium)

2:30pm **OC28: Associations between dietary protein and magnesium and skeletal muscle mass and strength in men and women from the UK Biobank Cohort**
*Ailsa A Welch* Norwich Medical School, University of East Anglia, Norwich, Norfolk NR4 7TJ, UK - Mary Hickson, Imperial College Healthcare NHS Trust, Department of Nutrition and Dietetics, Charing Cross Hospital, Fulham Palace Road, London W6 8RF, (UK)

2:45pm **OC29: Grip Strength as an Indicator of Clinically Relevant Muscle Weakness in Older Americans: Identifying Cutpoints and National Prevalence Estimates by Race in the U.S. Health and Retirement Study**
*Kate Duchowny* (1) Mark. Peterson (2), Philippa Clarke (1,3) - (1) Department of Epidemiology, University of Michigan School of Public Health, Ann Arbor, MI (2) Department of Physical Medicine and Rehabilitation, University of Michigan, Ann Arbor, MI (3) Institute forSocial Research, University of Michigan, Ann Arbor, MI, (USA)

3:00pm **OC30: Association between Hemoglobin A1c and frailty in elderly community-dwelling individuals**
Shuangshuang Nie (1) Qianqian Sun (1) Ke Tan (2) Lingxiao Wang (1,3) Hai Qiu (4) Ling Zhao (4) *Shuang Wang* (1,2) - (1) The Center of Gerontology and Geriatrics, West China Hospital, Sichuan University. (2) Department of Epidemiology and Health Statistics, West China School of Public Health, Sichuan University. (3) The Fifth People’s Hospital of Chengdu, (4)PingYi Community Health Service Center of Dujigiang City. (China)

3:15pm **OC31: Characterization of the heterogeneity within community dwelling malnourished older adults with sarcopenia**
*Mintan* PhD (1) Suzette Pereira, PhD (1) Deborah Hustedt, PhD (1) Alfonso Cruz Jentoft, MD, PhD (2) Francesco Landi, MD, PhD (3) Mauro Zamboni, MD (4) Vikkie Mustad, PhD (1) - (1) Abbott Nutrition Research and Development, Columbus, OH, USA - (2) Hospital Universitario Ramón y Cajal, Madrid, Spain - (3) Università Cattolica del Sacro Cuore, Rome, Italy - (4) University of Verona, Verona, Italy

3:30/4:00pm **COFFEE BREAK AND POSTERS**

4:00/5:00pm **SYMPOSIUM 8: Frailty in Nursing Home: what we know and which solutions?**
Chairman: Mylene Aubertin-Leheudre, PhD. Département des Sciences de l’Activité Physique, Université du Québec à Montréal, Montréal, Canada; Centre de recherche de l’I UGM, Université de Montréal, Montréal, Canada; Groupe de recherche en Activités Physiques Adaptées, UQAM, Montréal, (Canada)
**Mylene Aubertin-Leheudre**, PhD. Département des Sciences de l’Activité Physique, Université du Québec à Montréal, Montréal, Canada; Centre de recherche de l’I UGM, Université de Montréal, Montréal, Canada; Groupe de recherche en Activités Physiques Adaptées, UQAM, Montréal, (Canada)

Friday 29th April 2016
PARALLEL SESSIONS • BALLROOM 2

8:00/8:30am

**ORAL COMMUNICATIONS**
Chairman: Thomas Hoogeboom (Nijmegen, the Netherlands)

8:00am

**OC37: Feasibility and acceptability of a home-based exercise program (HEP) using a gerontechnology in community-living older adults after a minor injury.**

Martine Lauzé, MSc(c) (1,2,3) - (1) Département des Sciences de l’activité physique, Université du Québec à Montréal (UQAM), Montréal (QC), Canada. (2) Groupe de Recherche en Activité Physique Adaptée (GRAPA), UQAM, Montréal (QC), Canada. (3) Centre de recherche de l’Institut universitaire de gériatrie de Montréal (CRIUGM), Montréal (QC), Canada. - Dominic Martel, MSc(c)1,2,3, Amandine Agnoux, MSc1,2,3, Marcel Emond, MD4, Marie-Josée Sirois, PhD4, Raoul Daoust, MD5, Mylène Aubertin Leheudre, PhD1,2,3. - (1) Département des Sciences de l’activité physique, Université du Québec à Montréal, Montréal (Qc), Canada. (2) Groupe de Recherche en Activité Physique Adaptée (GRAPA), Université du Québec à Montréal (UQAM), Montréal (Qc), Canada. (3) Centre de recherche de l’Institut universitaire de gériatrie de Montréal (CRIUGM), Montréal (Qc), Canada. (4) Centre de Recherche CHUQ, Hôpital de Enfant Jesus, Quebec (Qc), Canada. - (5) Hôpital du Sacré-Coeur de Montréal, Montréal (Qc). (Canada)

8:15am

**OC38: The Coach2Move strategy: A novel cost-effective physical therapeutic intervention for frail older adults**

Thomas Hoogeboom PT PhD, (1) Radboud university medical center, Radboud Institute for Health Sciences, IQ healthcare, Nijmegen, the Netherlands Nienke de Vries-Farrouh, PT PhD (2), Ria Nijhuis-van der Sanden, PT PhD (1,3) (2) Radboud university medical center, Radboud Institute for Health Sciences, IQ healthcare, Nijmegen, the Netherlands. - Stefan A. Czerwinski, PhD, Lifespan Health Research Center, Boonshoft School of Medicine, Wright State University, Dayton, Ohio, USA.

8:30/9:30am

**SYMPOSIUM 9: Screening for Frailty and Sarcopenia**
Chairmen: John Morley, Saint Louis University Medical Center (USA), Bertrand Fougère, Gérontopôle, Toulouse (France)

- **The Gerontopôle Experience**
  Bertrand Fougère, MD, PhD, Gérontopôle de Toulouse, Institut du Vieillissement, Centre Hospitalo-Universitaire de Toulouse, Toulouse, (France)

- **The Rapid Geriatric Assessment**
  John Morley, MD, PhD, Saint Louis University Medical Center (USA)

- **The Kihon Index**
  Hidemori Arai, MD, PhD, Kyoto University’s Faculty of Medicine (Japan)

9:30/10:30am

**ORAL COMMUNICATIONS**
Chairmen: John Morley (Saint Louis, USA), Brian Buta (Baltimore, USA)

9:00am

**OC29: Monitoring Daytime Activity Among U.S. Older Adults: How many days of accelerometry are enough?**

Masha Kocherginsky (1), Megan Huisings-Scheetz (2) William Dale (2), Diane S. Lauderdale(1), Linda Waite (3) - (1)University of Chicago Medicine, Department of Public Health Sciences - (2)University of Chicago Medicine, Section of Geriatrics and Palliative Medicine - (3)University of Chicago Medicine, Department of Sociology (USA)

8:00am

**OC33: Frailty is associated with lower expression of genes involved in cellular response to stress**

Marium El Assar, PhD (1), Javier Angulo, PhD (2), José Antonio Camacho, PhD (3), Francisco José García-García, MD (3), Eva López-Hernández, PhD (4), José María Sánchez-Puertas, PhD (4), Leocadio Rodríguez-Mañas, MD, PhD (1,5) - (1) Instituto de Investigación Sanitaria del Hospital Universitario de Getafe,Getafe, Spain. - (2)Instituto Ramón y Cajal de Investigación Sanitaria (IRYCS), Hospital Ramón y Cajal, Madrid, Spain. (3)Hospital Virgen del Valle,Complejo Hospitalario de Toledo, Toledo, Spain. (4) Departamento de Medicina Celular y Molecular, Centro de Investigaciones Biológicas, Consejo Superior de Investigaciones Científicas, Madrid, Spain(5) Servicio de Geriatría, Hospital Universitario de Getafe, Getafe, (Spain)

5:30pm

**OC34: Obesity, Sarcopenic Obesitiy or Sarcopenia: Which is a greater risk for Knee OA? MOST Study**

D. Misra, R. Fielding, (2) D.T. Felson, (1) M. Nevitt, (3) J. Torner, (4) C.E. Lewis, (5) T. Neogi (1) - (1) Boston University School of Medicine, Boston, MA - (2) Tufts University, Boston, MA - (3) University of California at San Francisco, San Francisco, CA - (4) University of Iowa, Iowa City, IA; - (5) University of Alabama at Birmingham, Birmingham, AL, (USA)

9:30am

**OC40: Antecedent and Current Predictors of Performance-Based Early Frailty in Midlife and Older Age: the Fels Longitudinal Study**

Matthew J. Peterson Ph.D, Lifespan Health Research Center, Boonshoft School of Medicine, Wright State University, Kettering, Ohio, USA - Stefan A. Czerwinski, PhD (1); Miyoung Lee, PhD (1); Audrey Choh, PhD (1). - (1) Lifespan Health Research Center, Boonshoft School of Medicine, Wright State University, Kettering, Ohio, USA
10:00 am  **OC41: The Association of Vitamin D Deficiency and Cardiometabolic Diseases with Incident Frailty in Older Women Frailty**
*Brian Buta, MHS1,2, Parichoy Pal Choudhury, MStat3, Qian-Li Xue, PhD1,2, Paulo Chaves, MD, PhD4, Karen Bandeen-Roche, PhD2,3, Jeremy Walston, MD1,2, Erin Michos, MD1,5,6, Lawrence Appel, MD1,5,6, Mara McAdams DeMarco, PhD5,6,7, Alden Gross, PhD2,5,6, Sevil Yasar, MD, PhD1,2, Michelle Shardell, PhD8, Richard Semb, MD9, Luigi Ferrucci, MD, PhD8, Linda P. Fried, MD10, Rita Rastogi Kalyani, MD1,2,6 - (1) Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD - (2) Center on Aging and Health, Johns Hopkins University, Baltimore, MD - (3) Department of Biostatistics, Johns Hopkins School of Public Health, Baltimore, MD - (4) Department of Medicine, and Family Center for Geriatric Research and Education, Florida International University (5) Department of Epidemiology, Johns Hopkins School of Public Health, Baltimore, MD - (6) Welch Center for Prevention, Epidemiology, and Clinical Research, Johns Hopkins University School of Medicine, Baltimore, MD - (7) Department of Surgery, Johns Hopkins University School of Medicine, Baltimore, MD - (8) Intramural Research Program, National Institute on Aging, Baltimore, MD - (9) Department of Ophthalmology, Johns Hopkins University School of Medicine, Baltimore, MD - (10) Mailman School of Public Health, Columbia University, New York, NY (USA)

10:15 am  **OC42: The relationship between body composition remodeling and mortality: the Health Aging and Body Composition Study**
*Adam J. Santanasto, Bret H. Goodpaster, Stephen B. Kritchevsky, Iva Miljkovic, Suzanne Sattefield, Ann V. Schwartz, Steven R. Cummings, Robert M. Boudreau, Tamara B. Harris and Anne B. Newman. University of Pittsburgh (AJS, IM, RMB, ABN); Translational Research Institute for Metabolism and Diabetes, Florida Hospital, Sanford Burnham (BHG); Wake Forest School of Medicine (SBK); University of Tennessee Health Science Center (SS); University of California at San Francisco (AVS); California Pacific Medical Center Research Institute (SRC); National Institute on Aging (TBH), (USA)

10:30/11:00am  **COFFEE BREAK AND POSTERS**

11:00/12:30pm  **SYMPOSIUM 10: The NIA and FNIH Initiatives to Develop a Consensus: Definition of Sarcopenia**
*Chairmen: Shalender Bhasin, Harvard Medical School (USA), Roger Fielding, HNRCA, Tufts University (USA)
• An Overview: Presentation of the larger goals of the initiative and its public health and regulatory importance
  *Shalender Bhasin. Harvard Medical School (USA)
• Generating Cut-Points Using Data from Epidemiological Studies and Statistical Considerations: Defining the Specificity, Sensitivity, Predictive Value of the Cut-Point
  *Thomas G Travison. Harvard Medical School (USA)
• Application of the Cut-Points to Clinical Populations and RCT Populations
  *Roger Fielding, Tufts University (USA)
• European Initiative on Cut-Points to define sarcopenia
  *Francesco Landi, Catholic University Roma (Italy)
• Regulatory Perspective: Presentation of regulatory view of this effort.
  *John Sharretts, FDA (USA)

12:30/1:30pm  **LUNCH BREAK AND POSTERS**

1:30/3:30pm  **ORAL COMMUNICATIONS**
*Chairmen: J. Megan Sions (Newark, USA), Kriztina Mekli (Manchester, UK)
1:30 pm  **OC43: The Effect of High Doses of Vitamin D on Muscle Strength, Gait, and Physical Performance in Frail Older Adults**
*Manuel Montero-Odasso, MD, PhD (1,2), Anam Islam, MSc (1), Susan Muir-Hunter, PT, PhD (1), Gustavo Duque, MD, PhD (3), Richard Crilly, MD (2), Mark Speechley, PhD (2), Timothy Doherty, MD, PhD (4) (1) Gait and Brain Lab, Parkwood Hospital, Lawson Health Research Institute; (2) Schulich School of Medicine & Dentistry, Department of Medicine and Division of Geriatric Medicine, University of Western Ontario, London, ON, Canada; (3) Australian Institute for Musculoskeletal Sciences, University of Melboune, Melbourne, Australia; (4) Department of Physical Medicine and Rehabilitation, University of Western Ontario, London, ON, Canada.

2:00 pm  **OC45: Effect of six months of daily consumption of a multi-ingredient nutrition supplement containing fish oil, whey protein, vitamin D, and resveratrol on physical and cognitive function in older (>65 y) Irish adults**
*Brendan Egan, PhD (1,2), Alessandro Scotto di Palumbo, PhD(1), Catherine N. Moran, MPSychSci(3), Hannah Stynes, MPSychSci(3), Michelle Hone, BSc(1,2), Aoibheann M. McMorow, PhD(1,2), Gina Lynch, BSc(1,2) Brendan Rooney, PhD(3), Prof. Aidan F Moran, PhD(1,3), Jessica Bramham, PhD(3), Prof. Giuseppe de Vito, MD PhD(1,2) - (1)Institute for Sport & Health, (2) Institute of Food & Health, School of Public Health, Physiotherapy and Sports Science, and 3School of Psychology, University College Dublin, Belfield, Dublin 4, (Ireland)

2:15 pm  **OC46: Relationship between white matter hyperintensity load and physical function and muscle strength in older adults**
*Dustin Grooms PhD (1,2), Brian C. Clark, PhD (1,3,4), Leatha A. Clark, DPT (1), Shinichi Amano, PhD (1,5), Todd M. Manini, PhD (6), David W. Russ, PT, PhD (1,8), Timothy D. Law, DO (1,4,9), The UNCODE Study Investigators (1), and Adam J. Woods, PhD (6,7) - (1) Ohio Musculoskeletal and Neurological Institute, Ohio University Athens OH (2) School of Applied Health Sciences and Wellness, Ohio University Athens, OH - (3) Department of Biomedical Sciences, Ohio University Athens, OH - (4) Department of Geriatric Medicine, Ohio University, Ohio University Athens, OH - (5) Clinical and Translational Research Unit, Ohio University, Athens, OH - (6) Institute on Aging and the Department of Aging and Geriatric Research, University of Florida, Gainesville, FL - (7) Center for Cognitive Aging and Memory, University of Florida, Gainesville, FL - (8) School of Rehabilitation and Communication Sciences, Division of Physical Therapy, Ohio University Athens, OH - (9) Department of Family Medicine, Ohio University, Athens, OH
Friday 29th April 2016

2:30 pm
**OC47: Estimating the Proportion of Phenotypic Variance in Frailty Explained by Common Genetic Variants in the English Longitudinal Study of Ageing**

*Kristzta Meklt*, PhD (1), Gindo Tampubolon, PhD (1), James Nazroo, MB, BS, PhD (1), Alan Marshall, PhD(2), Neil Pendleton, MBChD (3) - (1) Cathie Marsh Institute for Social Research, University of Manchester, Manchester, UK - (2) School of Geography and Geosciences, University of St Andrews, St Andrews, UK - (3) Institute of Brain, Behaviour and Mental Health, University of Manchester, Manchester, UK

2:45 pm
**OC48: Impact of Sarcopenia on Post-Operative Morbidity and Mortality Following Lumbar Spine Surgery**

*Steven B. Bokshan*, MD (1), Alex L. Han, BS (2), J. Mason DePasse, MD(1), Stephen E. Marcoccio, BS(2), Alan H. Daniels, MD (3) - (1) Department of Orthopaedics, Warren Alpert Medical School of Brown University, Providence, RI - (2) Warren Alpert Medical School of Brown University, Providence, RI - (3) Department of Orthopaedics, Division of Spine Surgery- Adult Spinal Deformity Service, Warren Alpert Medical School of Brown University, Providence, RI, USA

3:00 pm
**OC49: Effects of Whole-Body Electromyostimulation on Sarcopenic Obesity in community dwelling women of 70 years and older**

Wolfgang Kemmler, PhD (1), Simon von Stengel, PhD (1), *Klaus Engelke*, PhD (1), Ellen Freiberger, PhD (2), Cornel Sieber, MD (2) - (1) Institute of Medical Physics, Friedrich-Alexander University of Erlangen-Nürnberg (FAU), Germany - (2) Institute for Biomedicine of Ageing, FAU Erlangen-Nürnberg, Germany

3:15 pm
**OC50: Degree of agreement among frailty tools**

*Checa M.* MD (1,2), Carnierco I.A. PhD (1), González J. MD (1,2), Palumbo C. MD (1), Solano J.I. MD (3), Sinclair A. MD, PhD, Prof (5), Scuteri A Bernabei R. MD, PhD, Prof(4), MD6, Prof(7), Rodríguez Mañas L. MD, PhD, Prof(1,2) - (1) Fundación para la Investigación Biomédica del Hospital Universitario de Getafe, Madrid (Spain); (2) Geriatric Department, Hospital Universitario de Getafe, Madrid (Spain); (3) Hospital Monte Naranco, Asturias (Spain). (4) Università Cattolica del Sacro Cuore. Milano (Italy). (5) Diabetes Frail Ltd. (United Kingdom). (6) San Raffaele Pisana. Roma (Italy).

3:30/4:00 pm
**COFFEE BREAK AND POSTERS**

4:00/6:00 pm
**ORAL COMMUNICATIONS**

Chairmen: Jack M. Guralnik (Baltimore, USA), Brian Clark (Athens, USA)

4:00 pm

*Aouatff Bellamine*, PhD Global Nutrition Lonza Mal Evans, PhD, Najia Guthrie PhD, GK Synergize

4:15 pm
**OC52: Retrospective evaluation of computed tomography in a total hip arthroplasty population**

*Michele Heffler* BA (1), Ryan Barlow, BS(1), Hayden Box (2), MD, Michael Hu, MD (2), Annechh Chhabra, MD (1) - (1) University of Texas Southwestern Medical Center Department of Radiology - Musculoskeletal Division - Dallas, Texas 75390 (2) University of Texas Southwestern Medical Center - Department of Orthopaedic Surgery

4:30 pm
**OC53: Sarcopenia and Functional Recovery Post Hip Fracture in Men and Women**

*Denise Orwig* PhD (1) - (1) Department of Epidemiology and Public Health, University of Maryland Baltimore, Baltimore, Maryland, USA - Nancy Chiles Shaffer, PhD (1), Yi "Yvonne" Huang, PhD (2), Ann Gruber-Baldini, PhD (1), Jack Guralnik, MD, PhD (1), Erik Barr (2), Wenxin Lu (2), Yun-ju Cheng (2), Jay Magaziner, PhD, MSHyg (1) - (2) Department of Mathematics and Statistics, University of Maryland Baltimore County, Baltimore, Maryland, USA

4:45 pm
**OC54: Frailty and its Effect on Functional Recovery after Hip Fracture in Men and Women**

*Jack M. Guralnik*, MD, PhD1 - (1) Department of Epidemiology and Public Health, University of Maryland Baltimore, Baltimore, Maryland, USA - Yi Huang, PhD (2), Denise Orwig, PhD (1), Wenxin Lu (2), Ann Gruber-Baldini, PhD (1), Marc Hochberg, MD, MPH(1), Jay Magaziner, PhD (1) - (1) Department of Epidemiology and Public Health, University of Maryland Baltimore, Baltimore, USA(2) Department of Mathematics and Statistics, University of Maryland Baltimore County, Baltimore, Maryland, USA

5:00 pm
**OC55: The Role of Cognitive Impairment in Functional Recovery and Mortality Post Hip Fracture Comparing Men and Women.**

*Ann L. Gruber-Baldini*, PhD(1) (1) Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, Maryland, USA - Mina Hosseini, MS (2), Marc Hochberg, MD, MPH (1), Denise Orwig, PhD (1), Jay Magaziner, PhD, MSHyg (1) - (1) Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, Maryland, 2) Department of Mathematics and Statistics, University of Maryland Baltimore County, Baltimore, Maryland, USA

5:15 pm
**OC56: PolypHarmacy in People Living with HIV: Incidence and Clinical Relevance in a 10-year follow up Study**

*Guaraldi G* (1), Zona S(1), Calcagno (2), Malagoli A (1), Guaraldi L (1), Santoro A (1), Musci C (1), Mussini C (1), Khoo (3), Cesari (4) - (1) Metabolic Clinic, Infectious Diseases Unit, University Policlinico Hospital, Modena, Italy (2) Unit of Infectious Diseases, Department of Medical Sciences, University of Torino, Torino, Italy; (3) Infectious Diseases Unit at the Royal Liverpool University Hospital, Liverpool, UK; (4) Geörontopôle, Centre Hospitalier Universitaire de Toulouse, Toulouse, France

5:30 pm
**OC57: Vitamin B12 Deficiency in Sarcopenia can be Detected by a Circulating Biomarker linked to Impaired Intestinal Absorption during Aging**

Alice Pannerec (1), Sonia Karaz (1), *Jérôme N. Feige* (1) Aging Group, Nestlé Institute of Health Sciences, EPFL Innovation Park, Lausanne, Switzerland.

5:45 pm
**OC58: Effects of a home-based physical training, nutritional and social support program carried out by lay volunteers on frailty and functional status in community-dwelling older persons**

*Eva Lugener*, MSc (1) (1) Institute of Social Medicine, Centre for Public Health, Medical University of Vienna, Austria - Thomas Ernst Dornier, MD, MPH(1) Sandra Haider, MSc (1) All Kapan, MSc (1) Christian Lackinger, PhD (2) Karin Schindler, PhD (3) - (1) Institute of Social Medicine, Centre for Public Health, Medical University of Vienna, Austria (2) Department for Health Promotion and Prevention, SPORT UNION Austria, Vienna, Austria (3) Division of Endocrinology and Metabolism, Department of Internal Medicine III, Medical University of Vienna, Austria
P61 Improvement of behavioral and psychosocial symptoms of dementia (BPDS) and higher caregiver’s recognition of the response change in cognitive frailties by comprehensive standardized care methodology

Mio Ita, RN. PhD, Department of Geriatric Research, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan; Miiwako Honda MD. Division of Geriatric Research, National Hospital Organization Tokyo Medical Center, Tokyo, Japan.

P62 The matter of handgrip strength cut off points for sarcopenia definition

Claia Helena González-Correia, MD, PhD (1), Research Group on Biodelectrical Impedance, Research Group on Nutrition, Metabolism and Food Safety Universidad de Caldas-Manzalboa-Colombia (2), Pinar Pasalar (4), Ahmad Esmailzadeh (5), Fereydoun Siasos (6), Bagher Lajjadi (4), (2) Chronic Diseases Research Center, Endocrinology and Metabolism Population Sciences Institute, Tehran University of Medical Sciences, Tehran, Iran, (2) School of nutritional sciences and dietetics, and Ziaei hospital, Tehran university of medical science, Tehran, Iran, (2) School of nutrition and medical sciences, Tehran university of medical sciences, Tehran, Iran, (2) School of nutrition and medical sciences, Tehran university of medical sciences, Tehran, Iran, (2) Department of Biomedical Sciences at Ohio University (3) Department of Family Medicine at Ohio University (4) Clinical & Translational Research Unit at Ohio University (5) Department of Geriatric Medicine at Ohio University (USA)

P63 Improvement of behavioral and psychosocial symptoms of dementia (BPDS) and higher caregiver’s recognition of the response change in cognitive frailties by comprehensive standardized care methodology

Mio Ita, RN. PhD, Department of Geriatric Research, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan; Miiwako Honda MD. Division of Geriatric Research, National Hospital Organization Tokyo Medical Center, Tokyo, Japan.

P64 The impact of physical exercise program of moderate intensity upon neuroendocrine axis, myoartikokinetic system and clinicofunctional parameters in elderly patients

Cristian Romeo Renic, MD,PhD (1), UMF “Carol Davila” Cardiology Department, Bucharest, Romania (2) Adriana Sarah Nica MD,PhD (2); Catalina Pena, MD,PhD (3). (2) Bucharest, Romania (4) Bucharest, Romania (5) Bucharest, Romania (6) Bucharest, Romania (5) Bucharest, Romania (3) Bucharest, Romania (6) Sanitary Management Department, UMF “Carol Davila”, Bucharest, Romania

P65 Assessment of Postural Control Complexity in the Frailty Syndrome before and after the execution of a functional a test

Aniele C. de M. Takahashi (1); Verena de V. B. Carmelo (1); Marcelle S. S. Buto (1); Aparecida M. Catai (1); Alberto Porta (2) - (1) Department of Physiotherapy, Federal University of São Carlos, São Paulo, Brazil; (2) Department of Biomedical Sciences for Health, University of Milan, Milan, Italy

P66 Sarcopenia and its associated factors in Indian older individuals: Results of SARIR study

Gita Shafiei (1); Ramin Hesamati (2); Rasika Hashemi (2); Ahmadreza Dorothy Mostaghj (3); Parin Pasalar (4); Ahmad Esmailzadeh (5); Fereydoun Siassos (6); Bagher Lajjadi (4), (1) Chronic Diseases Research Center, Endocrinology and Metabolism Population Sciences Institute, Tehran University of Medical Sciences, Tehran, Iran, (2) School of nutritional sciences and dietetics, and Ziaei hospital, Tehran university of medical science, Tehran, Iran, (3) School of nutrition and medical sciences, Tehran university of medical sciences, Tehran, Iran, (4) Department of Biomedical Sciences at Ohio University (5) Department of Family Medicine at Ohio University (6) Clinical & Translational Research Unit at Ohio University (5) Department of Geriatric Medicine at Ohio University (USA)

P67 Does excitatory brain stimulation enhance elbow muscle strength in the elderly?

Ana Millena López-Salazar MD, Geriatrician. Research group on Gerontology and Geriatrics Universidad de Caldas-Manizales-Colombia - David Gonzalez-Gonzalez MD, Geriatrician Research up of the patients

P68 Evaluation of the intra-individual variability of Myostatin and Activin A, two biomarkers of Sarcopenia: impact on the least significant change and follow up of the patients

Etienne Cavalli, Charlie Piron, Florence Water, Stéphanie Kovacs, Charlotte Beaudert, Fanny Buckin, Olivier Bruléry, Caroline Le Goff, Jean-Yves Regniter - Université de Liège, CHU de Liège (Belgium)

P69 Frailty and genetic markers longevity: are they causal? Preliminary results of a case-control study in La Ribera county, Valencia, Spain

Belenguer-Varea, Angel; (1,2), Avellaneda Zaragoza, Juan Antonio; (1,2) Tarazona-Santabárbara, Francisco José; (1) Sanchis-Aguilera; Paula; (2) Wía, José (3) Hospital Universitario de la Ribera. (2) Universidad Católica del Valencian San Vicente Mártir. (3) Departamento de Fisiología. Facultad de Medicina. Universidad de Valencia. (Spain)

P70 The effects of a multifactor exercise program on function and cognition in elderly frail patients admitted in an acute Geriatric Unit


P71 Additive effect of dynapenia and abdominal obesity on blood pressure, lipid, and glucose metabolic profile, metabolic syndrome and cardiovascular disease in older adults

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P72 Prospective analysis of the impact of pretransplant sarcopenia on survival after liver transplantation

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P73 Prevalence of concomitant bone and muscle wasting in patients from the SarcoPhAge study

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P74 Quantity and Quality of Muscle Mass in Urban Chinese Population

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P75 Estimating Low Physical Activity with alternative methods in older adults of an agricultural cohort

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P76 Functional performances on admission predicts elderly patients in-hospital falls

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P77 Gender differences in the relationship between ejection fraction and sarcopenia in elderly patients with heart failure

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P81 Preliminary validation of a model for the identification of frail individuals in primary care settings
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P82 The impact of obesity and obesity-dynapenia on skeletal muscle function and markers of mitochondrial metabolism in elderly men
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P83 The identification of frailty from nutritional screening tools in community-dwelling elderly
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P84 Do mixed power training-induced neurophysiological and muscular adaptations differ in elderly men according to their functional level?
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P85 Resting Metabolic Rate and Timed Gait in the Health, Aging, and Body Composition Study
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P86 Implementing assessment of cognitive function and frailty into primary care
Bertrand Fougeré, MD, PhD 1,2,3,4,5,6,7,8, Stéphane Oustric, MDc, Michel Ferrer, MDc, Alain Journel, PhD, MDc, Julien Delrieu, MDa, Bruno Vellas, MDa, MdA, MdA, MdA, MdA, FAP, group ** - aGérontopôle, Centre Hospitalier Universitaire de Toulouse, Toulouse, France - bInserm UMR1027, Université de Toulouse III Paul Sabatier, Toulouse, France - cDÉPARTement de mÉdecine générale, Centre Hospitalier Universitaire de Toulouse, Toulouse, France - dÉTHique Régionale Vieillissement et Prévention de la Dépendance, Centre Hospitalier Universitaire de Toulouse, Toulouse, France.

P87 Does protein supplementation and resistance-type exercise training influence the body composition of sarcopenic obese old men? – A pilot study
Anke Heiba PhD, 1, Elisabeth Schulte, MA1, Neale Härner, MA3, Katja Staff, PhD 2, Jo Latsch, MD 1, Klara Broix MD 1, Institut de Recherche Cardiovasculaire et des Maladies Neurodegeneratives et Metaboliques (IRCCM), IHU Mediterranée Infection, Montpellier, France - (1) Hôpital Nord, Centre Hospitalier Universitaire de Montpellier, Montpellier, France - (2) Hôpital Nord, Centre Hospitalier Universitaire de Montpellier, Montpellier, France.

P88 BIA and DEXA agreement for SMI evaluation in sarcopenia diagnosis