8:30-8:40 WELCOME
Marc Penaud (General Director CHU de Toulouse), Bruno Vellas (Toulouse, France), Roger Fielding (Boston, USA)
Moderators: Bruno Vellas (Toulouse, France), Roger Fielding (Boston, USA)

8:40-9:00 KEYNOTE 1
AGING BIOMARKERS AND GEROSCIENCE DISCOVERY WHERE WE ARE AND WHERE WE MUST GO
Luigi Ferrucci, National Institute of Aging, Baltimore (USA)

9:00-9:20 KEYNOTE 2
EFFECTS OF INTERMITTENT FASTING ON HEALTH, AGING, AND DISEASE
Rafael de Cabo, National Institute of Health, Baltimore (USA)

9:20-9:35 CONFERENCE 1
THE SENESCENCE-ASSOCIATED SECRETOME AS A BIOMARKER OF AGE AND MEDICAL RISK
Marissa J. Schafer, Xu Zhang, Amanika Kumar, Thomas, A. White, Sarah K. Jachim, Elizabeth J. Atkinson, and Nathan K. LeBrasseur, Mayo Clinic, Rochester, MN, (USA)

9:35-9:50 CONFERENCE 2
INCIDENT COGNITIVE DECLINE IN SARCOPENIA AND SARCOPENIC OBESITY: DATA FROM THE NATIONAL HEALTH AND AGING TRENDS SURVEY
John A. Batsis, MD (1,2,3), Christian Haudenschild (1,3), Robert M. Roth, PhD (1), Meredith Roderka, BS (2), Travis Masterson, PhD (1), John Brand, PhD (1), Tyler Gooding, BA (2), Matthew C. Lohman, PhD (5), Todd A. Mackenzie, PhD (1,2,3) - (1) Geisel School of Medicine at Dartmouth, Hanover, New Hampshire, USA - (2)Department of Medicine, Dartmouth Hitchcock Medical Center, Lebanon, New Hampshire, USA - (3)The Dartmouth Institute for Health Policy, Lebanon, New Hampshire, USA - (4) Neuropsychology Program, Department of Psychiatry, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire, USA - (5) University of South Carolina, Dept of Epidemiology and Biostatistics, Columbia, SC (USA)

9:50-10:20 PANEL DISCUSSION 1
THE GLIM CRITERIA FOR MALNUTRITION ARE THEY RELEVANT FOR THE FRAIL AND SARCOPENIC INDIVIDUAL? THE EVOLVING MALNUTRITION DIAGNOSIS - A PRESENTATION OF THE GLIM CONCEPT
Tommy Cederholm, University of Uppsala, Uppsala, Sweden
Discussion: John Morley, MD, PhD, Saint Louis University, Saint Louis, (USA), Yves Rolland, CHU of Toulouse, (France)

10:20-10:30 PRESENTATION OF THE IANA LIFETIME ACHIEVEMENT AWARD
John Morley MD, PhD, St Louis University, Saint Louis, (USA) in recognition his contribution to aging and Nutrition Research

10:30-11:00 COFFEE BREAK POSTER SESSION

11:00-11:20 KEYNOTE 3
THE INSPIRE GEROSCIENCE PLATFORM FOR TRANSLATIONAL GERIATRIC MEDICINE RESEARCH FROM INTRINSIC CAPACITIES TO BIOLOGICAL AGE
Bruno Vellas, MD, PhD, Chairman of the Toulouse Gerontopole, University of Toulouse (France)

11:20-12:00 SYMPOSIUM 1
PRIMARY CARE APPROACH TO GERIATRIC ASSESSMENT, FRAILTY AND SARCOPENIA
Moderator: John Morley, MD, PhD, Saint Louis University (USA)
• Primary Care approach to frailty and sarcopenia
  Jean Woo, The Chinese University of Hong Kong (China)
• The Rapid Geriatric Assessment: a Tool for Primary Care Physicians
  John Morley, MD, PhD, Saint Louis University (USA)
• The Utility of Rapid Geriatric Assessment App to Identify Unmet Needs of Older Adults in Primary Care
  Reshma A Merchant, National University Health System National University of Singapore (Singapore)

12:00-12:15 CONFERENCE 3
LATE-ONSET NICOTINAMIDE RIBOSIDE SUPPLEMENTATION IMPROVES HEALTH-SPAN AND FUNCTIONAL PARAMETERS IN OLD MICE
(2) University of Montpellier, INRA, UMR866, Dynamique Musculaire et Metabolisme, Montpellier, (France)

12:15-12:30 CONFERENCE 4
FRAILTY AND ITS ASSOCIATION WITH POTENTIAL BIOMARKERS AT BASELINE FIRST RESULTS FROM DO-HEALTH
Michael Gagesch, MD (1,2), Patricia Chocano-Bedoya, MD PhD (1,2), Reo W. Kressig, MD (3), Bruno Vellas, MD (4), René Rizzoli, MDS, Heike A. Bischoff-Ferrari, MD,DrPH(1,2) for the DO-HEALTH investigators (1) Dept of Geriatrics and Aging Research, University Hospital Zurich and University of Zurich, Zurich, Switzerland (2) Centre on Aging and Mobility, University of Zurich, Zurich, Switzerland (3) University of Basel, Switzerland (4) Felix Platter Hospital, Basel, Switzerland (5) Gerontopôle, University of Toulouse, France (6) University of Geneva, Switzerland

12:30-1:30 LUNCH INDUSTRY SYMPOSIUM hosted by ABBOTT NUTRITION
INTERPLAY BETWEEN NUTRITIONAL STATUS, SARCOPENIA AND FRAILTY: ROLE OF SPECIALIZED NUTRITION IN IMPROVING CLINICAL OUTCOMES
• Interplay between malnutrition and frailty • Nutritional interventions to address muscle dysfunction

FINAL PROGRAM • WEDNESDAY • MARCH 11, 2020
THE SPRING STUDY: CHARACTERIZING RESILIENCE AND FRAILTY TO PHYSICAL STRESSORS USING A DYNAMICAL PHYSIOLOGICAL SYSTEMS APPROACH

• The Measurement of Physical Resiliencies: Conceptualization and Study Design
  Karen Bandeen-Roche, PhD, Biostatistics, Johns Hopkins University, Baltimore, (USA)
  • Physical Resiliencies in Three Major Clinical Stressors
  Jeremy Walston, MD, Geriatric Medicine and Gerontology, Johns Hopkins University, Baltimore, (USA)
  • Do Dynamical System Measures at Baseline Predict Responses to Clinical Stressors?
  Findings from Pilot Studies of Physical Resilience and Aging
  Ravi Varadhan, PhD, Oncology Biostatistics, Johns Hopkins University, Baltimore, (USA)

Moderator: Roger Fielding (Boston, USA)

2:45-3:00 CONFERENCE 5

THE GERIATRIC FRAILTY CLINIC IN TOULOUSE: PRESENTATION AND DESCRIPTIVE ANALYSIS OF 5000 PATIENTS

Sandrine Sourdet MD , Zara Steinmeyer MD, Anne Ghisolfi MD, Thomas Gemar MD, Bruno Chicoulaa MD, Bruno Vellas, MD PhD
Gerontopôle, Department of Internal Medicine and Geriatrics, Toulouse University Hospital, (France)

3:00-3:15 CONFERENCE 6

IMPLEMENTING EXERCISE THROUGHOUT HOSPITALIZATION TO COUNTERACT MUSCLE & FUNCTION DECLINE

Mylène Aubertin-Leheudre, PhD, UQAM, Montreal (Canada)

3:15-3:30 CONFERENCE 7

EFFECTS OF A BLENDED HOME-BASED EXERCISE PROGRAM AND DIETARY PROTEIN INTERVENTION ON PHYSICAL PERFORMANCE IN COMMUNITY-DWELLING OLDER ADULTS: RESULTS FROM THE VITAMIN CRCT

Jantine van den Helder MS (1,2,) Sumit Mehra MS (3,4), Carolina van Dronkelaar MS (1), Gerben ter Riet MD PhD (1,2,) Michael Tieland PhD (1), Bart Visser PhD (1), Ben J.A. Kröse PhD (3,5), Raoul H.H. Engelbert PhD (1,6), Peter J.M. Weijl PhD (1,7,8). (1) Center of Expertise Urban Vitality, University of Applied Sciences, (2) Amsterdam University Medical Centers, VU University, Movement Sciences, (3) CREATE-IT Applied Research, University of Applied Sciences, (4) Faculty of Applied Social Sciences and Law; Amsterdam University of Applied Sciences, (5) Informatics Institute, University of Amsterdam, (6) Department of Rehabilitation, Amsterdam University Medical Centers, (7) Department of Nutrition and Dietetics, Amsterdam University Medical Centers, VU University, (8) Amsterdam Public Health research institute, Amsterdam University Medical Centers, VU University; Amsterdam, (The Netherlands)

3:30-4:00 COFFEE BREAK POSTER SESSION

Moderator: Debra Waters, Dunedin (New Zealand)

DEVELOPMENT OF AN IN VITRO PLATFORM TO PREDICT AND SCREEN COMBINATIONS OF ENDOGENOUS METABOLIC MODULATORS CAPABLE OF INFLUENCING MUSCLE PHYSIOLOGY

William Comb (1), Murat Cokol (1), Melanie Flaender (2), Andrew Downey (1), Pauline Poydenot (2), Erwan Ventre (2), Tony Tramontin (1), Michael Hamill (1) (1)Acella Health, Inc. Cambridge MA (2) CYTOO SA. Grenoble (France)

4:15-4:30 CONFERENCE 9

ASSOCIATION OF MUSCLE AND METABOLIC BIOMARKERS WITH TRANSITIONS IN GAIT SPEED AND COGNITIVE STATUS IN OLDER ADULTS

Debra L. Waters, (1,2), Lara Villestra (3), John E. Morley (4), Bruno Vellas (5) (1) Dept of Medicine and School of Physiotherapy, University of Otago, Dunedin, New Zealand and Dept of Internal Medicine, (2) University of New Mexico School of Medicine, Albuquerque, NM, (3) Dept of Medicine, University of Otago, Dunedin, New Zealand Clifford Qualls, Dept of Mathematics & Statistics and School of Medicine, University of New Mexico, Albuquerque, (4) Division of Geriatric Medicine, Saint Louis University, St. Louis, MO, (5) Dept of Internal and Geriatrics Medicine, Gerontopôle, CHU de Toulouse, (France)

4:30-5:15 SYMPOSIUM 3

SARCOPENIA AND NEUROSCIENCE: A FAILURE TO COMMUNICATE

Moderator: Richard G Carson, Dublin (Ireland)
  • Welcome and Introductory Comments
  Stephen B. Kritchevsky, PhD, Dicht Center for Healthy Aging and Alzheimer’s Prevention, Wake Forest School (USA)
  • Sarcopenia? Dynapenia: Reflecting back on the last decade
  Brian C. Clark, PhD, Ohio Musculoskeletal and Neurological Institute (OMNI), Ohio University, Athens, OH, (USA)
  • Get a grip: individual variations in grip strength are a marker of brain health
  Richard G. Carson, PhD, Trinity College Institute of Neuroscience & School of Psychology, Trinity College Dublin, Dublin (Ireland)

5:15-5:45 THE MNA® MINI NUTRITIONAL ASSESSMENT 25 YEARS ANNIVERSARY

Moderator: Bruno Vellas, MD, PhD, Chairman of the Toulouse Gerontopôle, University of Toulouse (France)
  • The MNA®: What we have learned over 25 years
  Bruno Vellas, MD, PhD, Chairman of the Toulouse Gerontopôle, University of Toulouse (France)
  • Relationship between the MNA® and Health expenditure in the elderly
  Pedro Abizanda. Head of the Geriatrics Department at the Complejo Hospitalario Universitario de Albacete, Albacete (Spain)

6:30-9:00 MNA COCKTAIL RECEPTION Activity sponsored by Nestlé Health Science Fondation Bemberg • Hôtel D’Assézat • Place d’Assezat, 31000 Toulouse

This 16th century private house has been renovated and is now hosting the Bemberg Foundation. Tour the permanent collection of ancient and modern art pieces before enjoying a cocktail networking reception in the old kitchens.
Moderators: Mylène Aubertin-Leheudre (Canada), Sergio Ruiz, Miami (USA)

11:00-9:15 KEYNOTE 4  Moderator : Roger Fielding, Boston (USA)
Evidences for performance of potential sarcopenia variables predicting outcomes:
Peggy Cawthon, PhD, University of California, Berkeley, San Francisco, CA (USA)

9:15-9:30 CONFERENCE 11
EFFECTS OF FORTETROPIN® ON THE RATE OF MUSCLE PROTEIN SYNTHESIS IN OLDER MEN AND WOMEN: A RANDOMIZED, DOUBLE-BLIND CONTROL STUDY
William Evans, PhD, (1), (1) Mahalakshmi Shankaran, PhD, (1) Edna Nyangau, (1), Tyler Field, (1), Hussein Mohammed, PhD, (1) Robert Wolfe, PhD, (2), Scott Schutzer, PhD, (2), and Marc Hellestein, PhD, (1) University of California Berkeley, (2) University of Arkansas for Medical Sciences, (USA)

9:30-9:45 CONFERENCE 12
BLOOD METABOLIC PROFILE ADAPTATION FOLLOWING 12-WEEK OF HIIT COMBINED WITH CITRULLINE SUPPLEMENTATION IN OLDER ADULTS
Layale Youcef, PhD, (1) Sylvère Durand, PhD, (2), Fanny Aprahamian, PhD, (2) Deborah Lefevre, PhD, (2) Eva Peyrusqué, PhD, (1, 4) Guido Kroemer, MD PhD, (1, 2, 3) Mylène Aubertin-Leheudre, PhD, (4) Philippe Noirez, PhD, (1, 4) INSERM U1124, Université de Paris, Paris, France, (2) INSERM U1138, Centre de Recherche des Cordeliers, Sorbonne Université, Université de Paris, Paris, France, (3) Metabolomics and Cell Biology Platforms, Gustave Roussy Cancer Campus, AMMICA U823/CNRS UMS3855, Villejuif, France, (4) Department of Exercise Science, Université du Québec à Montréal, Montréal, Canada

9:45-10:00 CONFERENCE 13
PARKIN, A NEW THERAPEUTIC TARGET TO COUNTER SARCOPENIA AND SEPSIS-INDUCED MUSCLE WASTING?
Gilles Gouspillou, PhD, (1) 2, 3, 5) JP Leduc-Gaudet, (1, 2, 3), O Reynaud, (1, 2), F E Broering, (3) LD Mayaki, (3), N SA Hussain, (2, 4)

(1) Dept. of Sciences de l’activité physique, Faculté des Sciences, UQAM, Canada, (2) Groupe de recherche en Activité Physique Adaptée, Canada, (3) Dept. of Medicine and Division of Experimental Medicine, McGill University, Canada, (4) Research Institute of the McGill University Health Centre, Canada, (5) Centre de Recherche de l’Institut Universitaire de Gériatrie de Montréal, Montréal, (Québec, Canada)

10:00-10:15 CONFERENCE 14
IS SENSORY LOSS A RISK FACTOR FOR FRAILTY? A SYSTEMATIC REVIEW AND META-ANALYSIS
Benjamin Kye Jyn Tan, (1), Ryan Eyn Kidt Man, (2, 3), Alfred tau Liang Gar, (2), Eva K. Fenwick, (2, 3), Peet Gupta, (2, 3), Vashini Kuradaraj, (4, 5), Bonnienel K. Svenon, (4), Tien Yin Wong, (1, 2, 3), Ecorse Luc Lamoureux, (1, 2), (1) Yong Loo Lin School of Medicine, National University of Singapore, Singapore, (2) Singapore Eye Research Institute, Singapore National Eye Centre, Singapore, (3) Duke-NUS Medical School, Singapore, (4) The Williner Eye Institute, Johns Hopkins University School of Medicine, Baltimore, Maryland, (USA)

10:15-10:30 CONFERENCE 15
THE ASSOCIATION OF FRAILTY WITH MEDICATIONS WITH HIGH ANTICHOLINERGIC BURDEN IN COMMUNITY-DWELLING US OLDER VETERANS.
Sergio J. Ruiz, PhD, (1) Victor Cevallos, MD, (1, 2, 3), Jorge G. Ruiz, PhD, (1, 2), (1) Miami VAHS GRECC, Dept. of Medicine, U of Miami Miller School of Medicine, (USA)

11:45-12:05 SYMPOSIUM 4
INNOVATIONS IN NON-PHARMACOLOGICAL INTERVENTIONS TO KEEP AGING MUSCLES STRONG AND AGILE AND THE MIND SHARP
Moderator: Mylène Aubertin-Leheudre, PhD, (1, 2) Dept of Exercise Sciences, Groupe de recherche en activité physique adapté (GRAPA), Université du Québec à Montréal, Canada, (2) Centre de Recherche de l’Institut Universitaire de Gériatrie de Montréal, Québec, Canada.

- Novelt nutritional approaches to enhance the effects of exercise on muscle, mobility, and the mind in older people
  Robin M. Daly, Institute for Physical Activity and Nutrition, Deakin University, Melbourne, Victoria, (Australia)

- Importance of initial protein intake on muscle function during aging and following an exercise intervention
Mylène Aubertin-Leheudre, (1, 2) Dept of Exercise Sciences, Groupe de recherche en activité physique adapté (GRAPA), Université du Québec à Montréal, Canada

- Assistive technologies for supporting healthy nutrition behaviours in community-dwelling older adults now and in the (not too distant) future
David Scott, (1, 2) School of Clinical Sciences at Monash Health, Monash University, Australia, (2) Australian Institute for Musculoskeletal Science, Department of Medicine - Western Health, The University of Melbourne, Australia
• Effects of tryptophan degradation pathway blockade on age-related decline in physical performance and life span of Drosophila melanogaster

• Neurotoxic Kynurenines are Linked to Reduced Neuromuscular Connectivity in a Mouse Model of Chronic Inflammation and Frailty

Simo Nadine (1), MD, Cesari Matteo (2,3), MD, PhD, Tchiero Huidi (4), MD, Yves Rolland (5), MD, PhD, Dartigues Jean-François (6) Clarendon Way, University of Leeds, Leeds, UK (5) Royal Devon & Exeter Hospital, Barrack Road, Exeter, UK. Nuffield Department of Orthopaedics Rheumatology & Musculoskeletal Sciences, University of Oxford, Windmill Road, Oxford, UK University Hospitals of Coventry and Warwickshire, Clifford Bridge Rd, Coventry. UK

PREVALENCE OF LOW MUSCLE MASS, MUSCLE STRENGTH AND UPPER-BODY MUSCLE QUALITY IN COMMUNITY-LIVING OLDER ADULTS

Charlotte Beaudart
Centre for Public Health Aspects of Musculoskeletal Health and Aging, Division of Public Health, Epidemiology and Health Economics, University of Liege, Liege, Belgium

3:30-4:00 COFFEE BREAK POSTER SESSION

Moderator: Roger Fielding, Tufts University, Boston (USA)

2:45-3:00 CONFERENCE 19

Increasing Frailty Severity is Associated with a Step-Wise Increase in Risk of Delirium in Older Unscheduled Hospital Admissions

Carl Wyche, University of Birmingham, Birmingham (UK)

2:00-2:45 SYMPOSIUM 5

Addressing the Drivers of Frailty: Active Nutrients for Mitochondrial Health, Bioenergetics and Functionality

Moderators: Roger Fielding, Tufts University, Boston (USA)

• The Impact of Age Associated Cellular Decline on Bioenergetics and Functional Impairment
  Bret H Goodpaster, AdventHealth Translational Research Institute, Orlando (USA)

• Correcting glutathione deficiency in aging: Impact on mitochondrial and metabolic health
  Rajagopal V Sekhar, Baylor College of Medicine, Houston (USA)

3:00-3:15 CONFERENCE 20

THE ROLE OF VITAMIN D IN SKELETAL MYOCYTES

Jenny Gunton (1,3) (1) Department of Diabetes and Endocrinology, Westmead Hospital, Westmead, Sydney, Australia. (3) Faculty of Health and Medicine, The University of Sydney, Sydney, Australia. (3) The Westmead Institute for Medical Research, The University of Sydney, (Australia)

3:15-3:30 CONFERENCE 21

PREVALENCE OF LOW MUSCLE MASS, MUSCLE STRENGTH AND UPPER-BODY MUSCLE QUALITY IN COMMUNITY-LIVING OLDER ADULTS LIVING IN AUCKLAND, NEW ZEALAND

Anne N Hiol MSc (1), Pamela R von Hurst PhD (1), Cathryn A Conlon, PhD (1), Jamie V de Seymour PhD (1), Kathlyn L Beck PhD(1)
(1) School of Sport, Exercise, and Nutrition, Massey University, (New Zealand)

3:30-4:00 COFFEE BREAK POSTER SESSION

Moderator: Philippe Barreto, Toulouse, Maturin Tabue Teguo (France)

4:00-4:15 CONFERENCE 22

FRAILTY INDEX, HOSPITAL ADMISSION AND LENGTH OF HOSPITAL STAY IN NURSING HOME RESIDENTS: RESULTS FROM THE INCUR STUDY

Simo Nadine (1), MD, Cescari Matteo (2,3), MD, PhD, Tchiero Huidi (4), MD, PhD, Vellas Bruno (5), MD, PhD and Tabe-Teguo Maturin (1,6), MD, PhD. (1) CHU de Guadeloupe, Université des Antilles,(2) Geriatric Unit, Fondation IRCSS Ca’ Granda Ospedale Maggiore Policlinico, Milano,(3) Dept of Clinical Sciences and Community Health, University of Milan, Italy (4) CH de Saint Martin, France - (5) Gérontopôle, CHU de Toulouse(6) INSERM 1219, Bordeaux Population Health Research Center, Université de Bordeaux, (France)

4:15-4:30 CONFERENCE 23

EFFECTS OF SCREENING AND SELECTIVE FALL PREVENTION INTERVENTIONS FOR REDUCING FRACTURES, FALLS AND FRAILTY

Sarah E Lamb , DSc (1), Julie Bruce PhD (2), Anoever Hassain PhD (3), Li Chen PhD (2), Roberta Longo PhD (4), Ranjit Lall PhD (2), Chris Boyle PhD (4), Claire Hulme PhD (1), Emma Withers (2), Susanne Finnegan MSc (2) Martin Underwood MD (2, 7) on behalf of the Prevention of Fall Injury Trial (Pre-FIT) Study Group (1) Institute of Health Research, College of Medicine and Health, University of Exeter, Exeter, UK EX1 2LU (2) Warwick Clinical Trials Unit, Division of Health Sciences, University of Warwick, Coventry, (3) Institute of Statistical Research and Training (ISTR), University of Dhaka, Bangladesh. (4) Leeds Institute of Health Sciences, Worsley Building, (6) Clarendon Way, University of Leeds, Leeds, UK (5) Royal Devon & Exeter Hospital, Barnack Road, Exeter, Exeter, UK Nuffield Department of Orthopaedics Rheumatology & Musculoskeletal Sciences, University of Oxford, Windmill Road, Oxford, UK University Hospitals of Coventry and Warwickshire, Clifford Bridge Rd, Coventry. UK

4:30-4:45 CONFERENCE 24

MALNUTRITION AS A STRONG PREDICTOR OF THE ONSET OF SARCOPENIA

Charlotte Beaudart (1) Dolores Sanchez-Rodriguez (1,2) Medica Locarec (1), Jean-Yves Regnier (1,3) Laetitia Lengle (1) Olivier Bruyé (1) - (1,2)WHO Collaborating Centre for Public Health Aspects of Musculoskeletal Health and Aging, Division of Public Health, Epidemiology and Health Economics, University of Lille, Lille, (Belgium)(2) Geriatrics Department, Parc Salut Mar. Rehabilitation Research Group, Hospital Del Mar Medical Research Institute (IMIM), Barcelona, Spain (3) Prince Charles Chair for Biomarkers of Osteoporosis, Biochemistry Department, College of Science, King Saud University, Riyadh, (Kingdom of Saudi Arabia)

4:45-5:00 CONFERENCE 24 #

ADVERSE MUSCLE COMPOSITION WITHIN OBESITY IS ASSOCIATED WITH LOW FUNCTIONAL PERFORMANCE AND INCREASED COMORBIDITY RESULTS FROM THE LARGE UK BIOBANK IMAGING STUDY

Jennifer Linge, MSc (1,2) Olof Dahlqvist Leinhard, PhD (1,2,3) (1) AMRA Medical, Linköping, Sweden (2) Department of Medical and Health Sciences, Linköping University, Sweden (3) Center for Medical Image Science and Visualization (CMIV), Linköping University, (Sweden)

5:00-5:15 CONFERENCE 25

SALIDROSIDE SUPPLEMENTS ASSOCIATED WITH INTERMITTENT EXERCISE ENHANCES PHYSICAL PERFORMANCE IN OLD MICE

Remi Roumanille, Thomas Briot, Théo Fovet, Corentin Guichot, Pierre Delobelle, Christelle Bertrand-Gady, Angélique Chopard, Anne Bonnne, Guillaume Py.: DEME, Université Montpellier, INRAE - Pascaline Fanca-Benhor: Naturesa EX, Montpellier, (France)

5:15-5:30 CONFERENCE 26

PRELIMINARY RESULTS FROM FOCUS: THE FRAILTY OUTCOMES CONSENSUS PROJECT

John Muscedere, Queen’s University, Kingston (Canada)

5:30-6:15 SYMPOSIUM 5#

TRYPTOPHAN METABOLISM LINKS CHRONIC INFLAMMATION TO FUNCTIONAL DECLINE & PHYSICAL FRAILTY

Moderator: Jeremy Walston, MD, Johns Hopkins University School of Medicine, Baltimore, (USA)

• Altered Tryptophan Metabolism Links Chronic Inflammation to Functional Decline & Physical Frailty in Mice and Humans
  Reyhan Westbrook, PhD, Johns Hopkins University School of Medicine, Baltimore, MD (USA)

• Neurotoxic Kynurenines are Linked to Reduced Neuromuscular Connectivity in a Mouse Model of Chronic Inflammation and Frailty
  Tae Chung, MD, Johns Hopkins University School of Medicine, Baltimore, MD (USA)

• Effects of tryptophan degradation pathway blockade on age-related decline in physical performance and life span of Drosophila melanogaster
  Mariann M. Gabrawy, PhD, Johns Hopkins University School of Medicine, Baltimore, MD (USA)

5:30-6:15 SYMPOSIUM 5#
9:00-9:45 SYMPOSIUM 6 • ESCEO Symposium
ASESSMENT OF QUALITY OF LIFE IN SARCOPENIA: FROM CLINICAL TRIALS TO DAILY PRACTICE
Moderator: Jean-Yves Register (Belgium), Royal Bzzel (Switzerland)

- Importance of Patients Related Outcomes Measures (PROMs) as primary endpoints for the development of medications aimed at the treatment of diseases related to musculoskeletal aging
  Francesca Cerreta (Netherlands)

- Assessment of quality of life with the SarQol questionnaire: Where do we stand?
  Charlotte Beaudart (Belgium)

- Discussion - conclusion
  Olivier Bruyère (Belgium)

Moderators: Philippe Barrete, Toulouse (France), Dominique Dardevet, Clermont Ferrand (France)

9:45-10:00 CONFERENCE 27
THE LOW-GRADE INTESTINAL INFLAMMATION POTENTIATES SARCOPENIA IN OLD ADULTS THAT CAN BE RESTRAINED BY A PROBIOTIC: STREPTOCOCCUS THERMOPHILUS CNRZ2160.
Isabelle Savy-Auzeloux, PhD (1) Marianne Jarzaguet RT (1) Marie Maury R (1) Marcela De Azevedo 99PhD (2) Jean-Marc Chatel PhD (2)

Dominique Dardevet PhD (1) - (1) Université Clermont Auvergne, INRA, UMR, Unité de Nutrition Humaine, CRNH Auvergne, (2) Micalis, INRA, AgroParisTech, Université Paris Saclay, Jouy en Josas, (France)

10:00-10:15 CONFERENCE 28
ADAPTATION AND VALIDATION OF A SCALE TO ASSESS INTRINSIC CAPACITY IN MEXICAN COMMUNITY-DWELLING ELDERLY ADULTS
Luis Miguel Gutiérrez-Robledo MD, PhD - Rosa Estela Garcia-Chanes PhD, Oscar Rosas-Carrasco MD -Instituto Geriatría, (México)

10:15-10:30 CONFERENCE 29
PRELIMINARY ESTIMATION OF RESIDUAL WORKING CAPACITIES CRITERIA FOR PREVENTING FRAILTY AND SARCOPENIA IN THE ELDERLY PERSONS
Tomarevska Olena, Poliakov Oleksandr, Buzukov Vladyslav
Institute of Gerontology by D.F. Chebotarev of National Academy of Medical Sciences of Ukraine - (Ukraine)

10:30-11:00 COFFEE BREAK POSTER SESSION

11:00-11:15 CONFERENCE 30
DEVELOPMENT AND VALIDATION OF A HOSPITAL ELECTRONIC RECORD FRAILTY INDEX (HERFI)
USING MACHINE LEARNING TECHNIQUES
J Myton BSc (1) GV Gloutos PhD (1,2) C Ferro MD, Thomas Jackson PhD (1,2) (1) University Hospitals Birmingham NHS Trust, (UK)
(2) Centre for Computational Biology, University of Birmingham, (UK) (3) Institute of Inflammation and Ageing, University of Birmingham, (UK)

11:15-11:30 CONFERENCE 31
FIBER TYPE 2 ATROPHY IS ASSOCIATED WITH SARCOPENIA IN HIP FRACTURE PATIENTS
Fabiana Tanganelli (1), L Baber (1), S Iarmusch (1), F Hofmeister (1), C Neuerburg (2), S Mehmeyer (3), S Hintze (2), F Meinko (2), U Ferrari (1), B Schosser (2), Mрей (1/2) Geriatrics, Department of Medicine IV, University Hospital, LMU Munich (2) Friedrich Baur Institute at the Dept of Neurology, University Hospital, LMU Munich (3) Dept of General, Trauma and Reconstructive Surgery, University Hospital, LMU Munich (Germany)

11:30-11:45 CONFERENCE 32
AN INTRINSIC CAPACITY SCORE TO PREDICT THE MORTALITY RISK IN AN ELDERLY POPULATION OF COSTA RICA
Luis Miguel Gutiérrez-Robledo MD, PhD, Rosa Estela Garcia-Chanes PhD, Mario Ullies Perez Zepeda MD, PhD Instituto Nacional de Geriatría, (México)

11:45-12:00 CONFERENCE 33
MUSCLE MITOCHONDRIA FUNCTIONAL ADAPTATION DURING HABITUATION TO ECCENTRIC VERSUS CONCENTRIC EXERCISE TRAINING
Craig RG Willis (1), Colleen S Deane (1), Daniel J Wilkinson (2), Kenneth Smith (2), Bethan E Phillips (2), Philip J Atherton (2) (1) Department of Sport and Health Sciences, University of Exeter, Exeter, UK, (2) MRC-ARUK Centre for Musculoskeletal Ageing Research and National Institute of Health Research, University of Nottingham, (UK)

12:00-12:15 CONFERENCE 34
DETECTING PREFRAILTY: COMPARING SUBJECTIVE FRAILTY ASSESSMENT AND THE PAULSON-LICHENBERG FRAILTY INDEX
Heather Fritz,(1) PhD, OT(R), Institute of Gerontology, Wayne State University, Detroit, MI USA Malcolm Cutchin (1) PhD, Institute of Gerontology, Wayne State University, Detroit, MI USA Yi-Ling Hu (1)

12:15-12:30 CONFERENCE 35
BIOCHEMICAL AND NEUROIMAGING MARKERS AS PREDICTORS OF INCIDENT FRAILTY IN THE ELDERLY: A SECONDARY ANALYSIS OF THE MAPT STUDY
Wan-Hsuan Lu, MS (1) P de Souto Barreto, PhD (1,2) Y Rolland, MD, PhD (1,2) K Virecoulon Giudici, PhD (1) B Velas, MD, PhD (1,2) and the MAPT/DSA Group (1) Gerontopole of Toulouse, Institute of Ageing, Toulouse University Hospital (2) UPS/Inserm UMR1027, Toulouse, (France)

12:35-2:00 LUNCH COMMUNICATIONS

12:35 -1:05 SYMPOSIUM 4
INNOVATIONS IN NON-PHARMACOLOGICAL INTERVENTIONS TO KEEP AGEING MUSCLES STRONG AND AGILE AND THE MIND SHARP
Moderator: Mylène Aubertin (Canada)

- Novel nutritional approaches to enhance the effects of exercise on muscle, mobility and the mind in older people
  Robin M. Daly Institute for Physical Activity and Nutrition, Deakin University, Melbourne, Victoria, (Australia)

- Assistive technologies for supporting healthy nutrition behaviours in community-dwelling older adults now and in the (not too distant) future
  David Scott (1,2) (1) School of Clinical Sciences at Monash Health, Monash University Australia (2) Australian Institute for Musculoskeletal Science, Department of Medicine - Western Health, The University of Melbourne; (Australia)