

# IANA 2015

International Academy  
Nutrition  
and Aging



Thursday – Friday, June 18–19, 2015 Barcelona, Spain

Meeting Place: Hospital de la Santa Creu i Sant Pau  
Carrer de Sant Antoni Maria Claret, 171 08041 Barcelona, Spain

## Final Program



### Thursday 18<sup>th</sup> June

- 9:00/9:30am **Welcome by the Organizing Committee** *Antoni Salvà Casanovas (Spain)*
- 9:30/10:30am **SYMPOSIUM 1: European Union Projects on Diet and Healthy Ageing** *Chaired by S. Guyonnet (France)*  
9:30am  
10:00am
  - **The Nu-AGE Study:** *C. Franceschi (Italy)*
  - **The PhysioDom-HDIM:** *M. Ferry (France)*
- 10:30/11:00am **ORAL COMMUNICATION**  
10:30am **OC1 • Changes in anthropometry, body composition and nutritional parameters in older, obese adults on different diets:**  
*Cilla J Haywood MBBS(Hons) FRACP (1,2,3) Luke A. Prendergast PhD (1,4) Wen Kwang Lim MBBS FRACP MD (1,2) Joseph Proietto MBBS FRACP PhD (1,3) - (1) Department of Medicine, University of Melbourne, Australia - (2) Department of Aged Care, Northern Health, Australia - (3) Department of Endocrinology, Austin Health, Australia - (4) Department of Mathematics and Statistics, LaTrobe University, Australia*
- 10:45am **OC2 • Nine-year dynamic age-dependent transitions in gait and cognitive function in healthy community-living older adults:** *Qualls C (1), Waters DL (2), Vellas B (3), Villareal DT (4), Garry PJ (5), Andrieu S (6) - (1) Department of Mathematics & Statistics and School of Medicine, University of New Mexico, Albuquerque, NM87131; and Biomedical Research Institute of New Mexico, Albuquerque, NM87108, USA. (2) University of Otago, Dunedin School of Medicine, Department of Preventive and Social Medicine, Dunedin, New Zealand 9054 - (3) Department of Internal and Geriatrics Medicine, UMR 1027 INSERM, Toulouse, University of Toulouse, Gerontopole, CHU de Toulouse, Toulouse, France - (4) Center for Translational Research in Inflammatory Diseases (CTRID), Michael E. DeBakey VA Medical Center, Houston, TX, USA; and Baylor College of Medicine, Houston, TX, USA - (5) University of New Mexico School of Medicine, Department of Pathology, Albuquerque, NM 87131, USA. - (6) Department of Epidemiology, CHU de Toulouse, UMR 1027 INSERM, Toulouse, University of Toulouse, Toulouse, France.*
- 11:00/11:30am **COFFEE BREAK AND POSTERS**
- 11:30/12:00am **ORAL COMMUNICATION**  
11:30am **OC3 • A conserved transcriptional signature of delayed ageing and reduced disease vulnerability is partially mediated by SIRT3:** *Jamie L. Barger (1) Rozalyn M. Anderson (2,3), Michael A. Newton (4), Cristina da Silva (1), James A. Vann (5), Thomas D. Pugh (2), Shinichi Someya (5), Tomas A. Prolla (1,5), Richard Weindruch (1,2,3) - (1) LifeGen Technologies LLC, Madison, Wisconsin, United States of America (2) Department of Medicine, SMPH, University of Wisconsin, Madison, Wisconsin, United States of America (3) Geriatric Research, Education and Clinical Center, William S. Middleton Memorial Veterans Hospital, Madison, Wisconsin, United States of America (4) Departments of Statistics and of Biostatistics and Medical Informatics, University of Wisconsin, Madison, United States of America (5) Departments of Genetics and Medical Genetics; University of Wisconsin; Madison, Wisconsin, United States of America*
- 11:45am **OC4 • Body composition, but not BMI, predicts longitudinal decline in muscle quality in older men and women from the Baltimore Longitudinal Study of Aging :** *Luigi Ferrucci, Elisa Fabbri, Nancy Chiles Shaffer, Marta Gonzalez Freire, Michelle Shardell, Marco Zoli, Stephanie Studenski.*
- 12:00/12:30am **ORAL COMMUNICATION**  
12:00am **OC5 • Anorexia and nutritional status as risk factors for frailty. A cross-sectional study:**  
*Papiol M (1), Serra-Prat M (2), Vico J (3), Palomera E (2), López J (4), Alpiste X(4), Campos M(4), Jerez N(4), Salvador N(4), Garcia M(4) - (1) ABS Argentona. Consorci Sanitari del Maresme (Marató, Barcelona, Spain) - (2) Reserach Unit. Consorci Sanitari del Maresme (Marató, Barcelona, Spain) - (3) Hospital de Mataró. Consorci Sanitari del Maresme (Marató, Barcelona, Spain) - (4) ABS Cirera-Molins. Consorci Sanitari del Maresme (Marató, Barcelona, Spain).*
- 12:15am **OC6 • Predicting appendicular skeletal muscle and fat mass with bioelectrical impedance analysis in elderly people with physical function decline - the PROVIDE study:**  
*Aldo Scafoglieri (PhD)1, Jan Pieter Clarys (PhD)2, Sander Wijers (PhD)3, Sjors Verlaan (MSc)3, Janneke de Wilde (PhD)3, Tony Mets (MD PhD)1, Ivan Bautmans (PhD)1 - (1) Frailty in Ageing research group, Vrije Universiteit Brussel, Brussels, Belgium (2) Radiology department, University Hospital Brussels, Brussels, Belgium - (3) Nutricia Research, Nutricia Advanced Medical Nutrition, Utrecht, The Netherlands*
- 12:30/2:00pm **LUNCH BREAK AND POSTERS**
- 2:00/3:00pm **ORAL COMMUNICATION**  
2:00pm **OC7 • Dietary patterns in French home-living older women: Links with socio-demographic factors, depressive symptoms, cognitive function and self-rated health:**  
*Claude Ferrand, PhD (1), Catherine Féart, PhD (2), Pascale Barberet-gateau, PhD (2), Cédric Albinet, PhD (3), Nathalie André, PhD (3), Michel Audiffren, PhD (3) (1) EA 2114, psychology of life ages, University François Rabelais, Tours, France (2) ISPED, University Victor Segalen, Bordeaux, France (3) CeRCA, CNRS UMR 7295, University Poitiers, France*
- 2:15pm **OC8 • A systematic review of the impact of protein supplementation on fat free mass, muscle strength and physical performance in frail older people:**  
*H Cheng, MND1, J Kong, MND1, C Underwood, MND1, P Petocz, PhD2, F O'Leary, PhD1 - (1) School of Molecular Bioscience, University of Sydney, New South Wales, Australia - (2) Department of Statistics, Macquarie University, Sydney, New South Wales, Australia*

# IANA 2015

International Academy  
Nutrition  
and Aging



Thursday – Friday, June 18–19, 2015 Barcelona, Spain

## Final Program

### Thursday 18<sup>th</sup> June

- 2:30pm **OC9 • Influence of alcohol intake and smoking on neopterin production and tryptophan breakdown rates in frail elderly:**  
*Dietmar Fuchs* PhD(1), *Johanna M Gostner*, PhD(1), *María Sánchez-Flores*, MSc(2), *José Carlos Millán-Calenti*, PhD(3), *Diego Marcos-Pérez*, MSc(2), *Ana Maseda*, PhD(3), *Eduardo Páraso*, PhD(2), *Barbara Strasser*, PhD(4), *Laura Lorenzo-López*, PhD(3), *Blanca Laffon*, PhD(2), *Vanessa Valdiglesias*, PhD(2) - (1)Biocenter, Medical University Innsbruck, (2)DICOMOSA Group, Department of Psychology, Area of Psychobiology, Universidade da Coruña, Spain, (3)Gerontology Research Group, Department of Medicine, Universidade da Coruña, Spain, and (4)Institute for Nutritional Sciences and Physiology, UMIT, Hall, Austria.
- 2:45pm **OC10 • Dietary nitrate reduced diastolic blood pressure in obese subjects after an oral glucose challenge: A randomised double-blind crossover trial:**  
*Ammar W. Ashor* (1,2) - 1 Human Nutrition Research Centre, Institute of Cellular Medicine, Newcastle University, Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK - (2) Newcastle University Institute for Ageing, Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK - Co-Authors & affiliations: *Shakir Chowdhury* (1,2) *Jose Lara* 1,2, *Azizah Mat Hussin* 1,2, *Gabriele Saretzki* 2,3, *John C. Mathers* 1,2, *Mario Siervo* (1,2) - (1) Human Nutrition Research Centre, Institute of Cellular Medicine, Newcastle University, Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK - (2) Newcastle University Institute for Ageing, Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK - (3) Institute for Cell and Molecular Biosciences, Newcastle University, Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK
- 3:00/3:30pm **KEYNOTE: Diet and inflammaging**  
*C. Franceschi* (Italy)
- 3:30/4:00pm **COFFEE BREAK AND POSTERS**
- 4:00/5:30pm **ORAL COMMUNICATION**
- 4:00pm **OC11 • LMN Diet, rich in polyphenols and PUFA, induces neurogenesis and improves mouse cognitive decline associated with aging and Alzheimer's disease:**  
*Mercedes Unzeta* (1) *Laura Fernandez-Fernandez* (1), *Tony Valente* (2), *Montse Sole* (1), *Gerard Esteban* (1), *Irene Bolea* (1), *Ping Sun* (1) - 1. Institute of Neurosciences, and Department of Biochemistry and Molecular Biology, Faculty of Medicine, Universitat Autònoma de Barcelona, Bellaterra, Barcelona, Spain. (2) Biomedical Research Institute of Barcelona (IIBB), Spanish National Research Council (CSIC), Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Department of Brain ischemia and Neurodegeneration, Barcelona, Spain
- 4:15pm **OC12 • Fruits and vegetables consumption and risk of frailty among French community dwelling older adults: results from the Three-City-Bordeaux study:**  
*Berna Rahi* PhD (1,2), *Soufiane AJANA*, Msc (1, 2), *Jean-François DARTIGUES*, MD, PhD (1, 2), *Karine PERES*, PhD (1,2), *Pascale BARBERGER-GATEAU*, MD, PhD(1,2), *Catherine FEART*, PhD(1, 2) - Affiliations: (1) INSERM, ISPED, Centre INSERM U897-Epidemiologie-Biostatistique, F-33000 Bordeaux, France (2) Univ. Bordeaux, ISPED, Centre INSERM U897-Epidemiologie-Biostatistique, F- 33000 Bordeaux, France
- 4:30pm **OC13 • Metabolic Syndrome (MetS) and inflammation effects on cognitive function: sex/gender differences in community dwelling older adults from Canada, Colombia, Brazil and Albania:**  
*Diana Morales* (1), *Fernando Gomez* (1), *Beatriz Alvarado* (2), *Angeles Garcia* (3) - 1 Research Group in Gerontology and Geriatrics, University of Caldas, Manizales, Colombia. (2) Department of Public Health Sciences, Queen's University, Kingston, Ontario, and (3) Division of Geriatric Medicine and Centre for Neurosciences, Queen's University, Kingston, Ontario, Canada.
- 4:45pm **OC14 • Adherence to a Mediterranean diet and risk of frailty among French elderly community- dwellers: results from the Three-City-Bordeaux study:** *Catherine Feart* PhD, INSERM, ISPED, Centre INSERM U897-Epidemiologie-Biostatistique, F-33000 Bordeaux, France and Univ. Bordeaux, ISPED, Centre INSERM U897-Epidemiologie-Biostatistique, F- 33000 Bordeaux, France - Co-authors & affiliations: *Soufiane AJANA*, Msc (1, 2) *Berna RAHI*, PhD (1, 2) *Jean-François DARTIGUES*, MD, PhD (1, 2) *Karine PERES*, PhD (1,2) *Pascale BARBERGER-GATEAU*, MD, PhD (1, 2) - (1) INSERM, ISPED, Centre INSERM U897-Epidemiologie-Biostatistique, F-33000 Bordeaux, France - (2) Univ. Bordeaux, ISPED, Centre INSERM U897 Epidemiologie-Biostatistique, F- 33000 Bordeaux, France
- 5:00pm **OC15 • Measurements of energy intake and expenditure in people with dementia living in care homes: the use of wearable technology:** *Jane L. Murphy* (1) *Joanne Holmes* (1), *Cindy Brooks* (1) - 1 Faculty of Health & Social Sciences, Bournemouth University, Bournemouth, UK.
- 5:15pm **OC16 • Personalized Health Ingredients for older adults with biomarkers:** *Prof. Dr. Fatih Yildiz* (1) *Joanne Holmes* (1), *Cindy Brooks* (1) (1) Faculty of Health & Social Sciences, Bournemouth University, Bournemouth, UK.

# IANA 2015

International Academy  
Nutrition  
and Aging



Thursday – Friday, June 18–19, 2015 Barcelona, Spain

## Final Program

### Friday 19<sup>th</sup> June

- 9:00/9:30am **ORAL COMMUNICATION**
- 9:00pm **OC17 • No reductions in vitamin concentration or nutritional indices in early Alzheimer's disease without vascular disease:**  
*Thomas Bøhmer MD, PhD, Nutritional Laboratory, Department of Medical Biochemistry, Oslo University Hospital, Aker, Oslo, Norway, University of Oslo. Ingun Ulstein, MD, PhD, Department of Old Age Psychiatry, Oslo University Hospital, Ullevaal, Oslo, Norway; University of Oslo, Faculty of Medicine, Oslo, Norway*
- 9:15pm **OC18 • The MNA as a Tool for Medical Education:**  
*Mai Sedki, BA, BS1, Stephen Bruer, MS1, Jennifer Mendez, PhD1 - (1) Wayne State University – School of Medicine, Detroit, Michigan, USA - Stephen Bruer, MS, Wayne State University – School of Medicine, Detroit, Michigan, USA - Jennifer Mendez, PhD, Wayne State University – School of Medicine, Detroit, Michigan, USA*
- 9:30/10:30am **SYMPOSIUM 2 : Mini Nutrition Assessment: Research and Practice**
- 9:30am • **The MNA in Research Studies:** *Cornel Sieber (Germany)*
- 10:00am • **The MNA in Alzheimer's patients:** *Antoni Salvà Casanovas (Spain)*
- 10:30/11:00am **ORAL COMMUNICATION**
- 10:30am **OC19 • Age protects from harmful effects produced by intermittent hypoxia:** *Olea E 1,4., Quintero M1,4., Conde S2., Obeso A1,4., Gallego-Martin T1,4., Gonzalez C1,4., Monserrat JM3,4., Agapito T1,4 and Yubero S1,4 - (1) Department of Biochemistry and Molecular Biology and Physiology, School of Medicine. U. of Valladolid and IBGM/CSIC. Valladolid Spain. (2) Chronic Diseases Research Center (CEDOC), Nova Medical School Faculdade Ciências Médicas, U. Nova Lisboa, Lisbon, Portugal. (3) Laboratori de la Son, Pneumologia, Hospital Clínic-IDIBAPS, Barcelona, Spain.. (4) CIBERES. Instituto de Salud Carlos III. Madrid. Spain.*
- 10:45am **OC20 • Agreement between Mini Nutritional Assessment (MNA), Malnutrition Universal Screening Tool (MUST) and the Nutrition Risk Screening tool (NRS-2002) in the evaluation of nutritional risk in nursing home-resident older adults:**  
*Donini Lorenzo M (1), Poggiogalle Eleonora (1), Alessio Molfino (2), Alessandro Laviano (2), Filippo Rossi-Fanelli (2), Lenzi Andrea (1), Muscaritoli Maurizio (2) - 1. Sapienza University of Rome, Department of Experimental Medicine, Medical Pathophysiology, Food Science and Endocrinology Section 2. Sapienza University of Rome, Department of Clinical Medicine*
- 11:00/11:30am **COFFEE BREAK AND POSTERS**
- 11:30/12:30am **ORAL COMMUNICATION**
- 11:30am **OC21 • Healthy aging five years after a period of daily supplementation with antioxidant nutrients: a post hoc analysis of the French randomized trial SU.VI.MAX:**  
*Karen E. Assmann MSc, MPH1; Valentina A. Andreeva, PhD1; Claude Jeandel, MD, PhD2; Serge Hercberg, MD, PhD1,3; Pilar Galan, MD, PhD1; Emmanuelle Kesse-Guyot, PhD (1) - (1) Université Paris 13, Equipe de Recherche en Epidémiologie Nutritionnelle (EREN), Centre d'Epidémiologie et Statistiques Sorbonne Paris Cité, Inserm (U1153), Inra (U1125), Cnam, COMUE Sorbonne Paris Cité, Bobigny, France (2) Département de Gériatrie, Centre Balmès, CHU Montpellier, Université Montpellier I, Montpellier, France (3) Département de Santé Publique, Hôpital Avicenne, Bobigny, France*
- 11:45am **OC22 • Fatty liver infiltration associates with relative sarcopenia, insulin sensitivity and growth hormone/ insulin-like growth factor 1 axis in obese subjects**  
*Eleonora Poggiogalle, Carla Lubrano, Lucio Gnassi, Stefania Mariani, Andrea Lenzi, Lorenzo M Donini - Department Experimental Medicine- Medical Pathophysiology, Food Science and Endocrinology Section, "Sapienza" University of Rome, Italy*
- 12:00am **OC23 • Effectiveness and Safety of A High-Dose Weekly Vitamin D (20,000 IU) Protocol in Older Adults Living in Long Term Care:** *Fabio Feldman PhD (1) (1) Fraser Heath, BC, Canada - Co-Authors & affiliations - Timothy J. Green, PhD (2), Susan I. Barr, PhD (2), Sonia Singh, MD (1) - (2) Food, Nutrition, and Health Unit, University of British Columbia, BC, Canada*
- 12:15am **OC24 • Effects of synbiotic supplementation on intestinal permeability and low-grade systemic inflammation of community-dwelling elderly at frailty risk:** *Sandra M Lima Ribeiro (1), João Valentini Neto, MSc. (1), Angélica MP Freitas, MSc.(1), Eliana Louzada, MSc.(1) - (1)- Applied Human Nutrition Inter-Units Program, University of São Paulo- SP- Brazil*
- 12:30/2:00pm **LUNCH BREAK AND POSTERS**
- 2:00/3:30pm **ORAL COMMUNICATION**
- 2:00pm **OC25 • Dietary nitrate improved glycaemic control in obese adults after an oral glucose challenge: a randomised double blind crossover trial:** *Mario Siervo (1,2) Ammar W. Ashor (1) Shakir Chowdhury (1), Clio Oggioni (1), Jose Lara (1), Gabriele Saretzki (3), John C. Mathers (1) - (1) Human Nutrition Research Centre, Institute of Cellular Medicine, Newcastle University; Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK (2) MRC Human Nutrition Research, Elsie Widdowson Laboratory, 120 Fulbourn Road, Cambridge, CB1 9NL, UK - (3) Institute for Cell and Molecular Biosciences, Newcastle University, Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK*





## Final Program

### Friday 19<sup>th</sup> June

- 2:15pm **OC26 • Risks of frailty, eating behaviors and prevention:** *Michel Noguès*, PhD, Deputy Director Carsat LR, Geographer of Health, Montpellier, France. *Jacques Touchon*, PhD, Professor University of Montpellier I, neurologist, France • Co-Authors & Affiliations : *Jean Bousquet*, PhD (2) *Valerie Bruguière* (3), *Delphine Paccard*(3), *Anne-Laure Coupet*(3), *Melanie Marc*(3), *Jean Claude Reuzeau*(3)-(2) University of Montpellier I, MACVIA-LR (Against Chronic Disease for Active Ageing in Languedoc Roussillon)- (3) Institute for Ageing CARSAT Languedoc Roussillon France
- 2:30pm **OC27 • Ketogenic diets in the prevention and treatment of Alzheimer's disease:** *Joachim Hauser* PhD, Department of Experimental Psychology, University of Regensburg, Regensburg, Germany Co-Authors & affiliations: *Evelina Makulska Gertruda*, PhD, *Andreas Reissmann*, MSc, *Klaus W. Lange*, MD - Department of Experimental Psychology, University of Regensburg, Regensburg, Germany
- 2:45pm **OC28 • Use of Oral Nutritional Supplement at an acute geriatric ward. Results of a pilot study:**  
*Christophe Matthys* PhD (1,2) *Ann Meulemans*, PhD (1,2) & *Etienne Joosten*, MD, PhD (3,4) - (1) KU Leuven – University of Leuven, Department of Clinical and Experimental Medicine, Clinical and Experimental Endocrinology, B-3000 Leuven, Belgium - 2 University Hospitals Leuven, Department of Endocrinology, Clinical Nutrition Unit, B-3000 Leuven, Belgium - 3 KU Leuven – University of Leuven, Department of Clinical and Experimental Medicine, Gerontology and Geriatrics, B3000 Leuven, Belgium - 4 University Hospitals Leuven, Department of Internal Medicine, Division of Geriatric Medicine, B-3000 Leuven, Belgium
- 3:00pm **OC29 • Effectiveness of an intervention to prevent frailty in pre-frail elderly subjects consulting in primary care centres. A randomized controlled trial:** *Serra-Prat M* (1), *Sist X* (1), *Jurado L* (2), *Adoración Saiz* (3), *Ruth Domenich* (3), *Anna Rocés* (2), *Burdoy E* (3). - 1. Research Unit. Consorci sanitari del Maresme (Mataró, Barcelona, Spain) - 2. ABS Cirera-Molins. Consorci sanitari del Maresme (Mataró, Barcelona, Spain) - 3. ABS Mataró centre. Consorci sanitari del Maresme (Mataró, Barcelona, Spain)
- 3:15pm **OC30 • Dietary assessment in frail elderly people:** *G. Soriano* (2), *S. Guyonnet* (1), *S. Sourdet* (2), *A. Ghisolfi* (2), *B. Vellas* (1) - (1) Gérontopôle, Centre Hospitalier Universitaire de Toulouse; INSERM UMR 1027, Toulouse ; Université de Toulouse III Paul Sabatier, Toulouse
- 3:30/4:00pm **COFFEE BREAK AND POSTERS**
- 4:00/5:15pm **ORAL COMMUNICATION**
- 4:00pm **OC31 • Development and external validation of a MNA-based prognostic model in older patients with cancer treated with chemotherapy for solid tumours:** *I Bourdel-Marchasson*(1, 2, 3), *Abou Diallo* (4), *Carine Bellera* (5,6), *Christelle Blanc-Bisson* (1), *Jessica Durmieu* (1), *Christine Germain* (4), *Simone Mathoulin* (5,6), *Pierre Soubeyran* (7,8), *S Regueme* (1), *Mariane Fonck* (7), *Adelaide Doussau* (4,9) - (1) CHU Bordeaux, Clinical Gerontology, Bordeaux, France (2) CNRS, RMSB, UMR 5536, Bordeaux, France (3) Université Bordeaux, RMSB, UMR 5536, Bordeaux, France (4) CHU Bordeaux, Unité d'épidémiologie clinique, Bordeaux, France (5) INSERM, CIC-14.01, Bordeaux, France (6) Institut Bergonié, Clinical Research and Clinical Epidemiology Unit, Bordeaux, France (7) Institut Bergonié, Département d'oncologie médicale, Bordeaux, France (8) Université Bordeaux, Bordeaux (9) INSERM, CIC-EC7, Bordeaux, France
- 4:15pm **OC32 • Vitamin D status and risk of dementia in community-dwelling French older persons: results from the Three-City-Bordeaux study:** *C.Feart* PhD, INSERM, ISPED, Centre INSERM U897-Epidémiologie-Biostatistique, F-33000 Bordeaux, France and Univ. Bordeaux, ISPED, Centre INSERM U897-Epidémiologie-Biostatistique, F-33000 Bordeaux, France - *C. Helmer*, PhD (1,2), *C.Samieri* PhD (1,2), *C. Annweiler*, MD, PhD (3,4), *JF Dartigues*, MD, PhD (1, 2), *C. Delcourt* PhD (1,2), *P. Barbeger-Gateau*, MD, PhD (1, 2) - (1) INSERM, ISPED, Centre INSERM U897-Epidémiologie-Biostatistique, F-33000 Bordeaux, France (2) Univ. Bordeaux, ISPED, Centre INSERM U897-Epidémiologie-Biostatistique, F-33000 Bordeaux, France
- 4:30pm **OC33 • Aging effect on mitochondrial functions in the cardiac protection: role of Sirtuin 3:** *C. Villedieu* MS (1), *T. Bochaton*, MD (1,2), *B. Pillot*, PhD (1), *E. Couture-Lepetit*, MSc (1), *T. Hélène*, MD, PhD(1,2), *D. Baetz*, PhD (1), *M. Ovize*, MD, PhD (1,2), *A. Gharib*, PhD (1) - (1) INSERM UMR-1060, CarMeN laboratory, Université Lyon 1, Faculté de Médecine Rockefeller, F-69373 Lyon, FRANCE - (2) Service d'Explorations Fonctionnelles Cardiovasculaires & CIC de Lyon, Hôpital Louis Pradel, Hospices Civils de Lyon, F-69677 Lyon, FRANCE
- 4:45pm **OC34 • Nutritional screening in hospitalized geriatric patients and its predictive value on mortality:**  
*Stany Perkisas* MD1. *Maurits Vandewoude*, MD, PhD (1) - (1) University Center of Geriatrics, Antwerp, Belgium
- 5:00pm **OC35 • The effects on cognitive function in healthy volunteers of 28 days treatment with a combination of Acetyl-L-Carnitine, Vinpocetine and Huperzine A:** *Keith A. Wesnes* Wesnes Cognition Ltd, Little Paddock, Streatley Hill, Streatley on Thames, RG8 9RD, UK - Visiting Professor, Department of Psychology, Northumbria University, Newcastle, UK - Adjunct Professor, Centre for Human Psychopharmacology, Swinburne University, Melbourne, Australia



## POSTERS

### **P1• Nutritional Status of Elderly Population of Rajasthan (India)**

**Sharma Manju.Lata** (1)Srivastava.P(2), Sharma S(2), Sharma P(2) and Jain S(3) - (1) Associate Professor, Department of Zoology, M.S.J.College,Bharatpur - (2) Research scholar Department of Zoology, M.S.J.College,Bharatpur - (3) Department of Zoology, University of Rajasthan, Jaipur

### **P2• Neuroprotective efficacy of Withania Somenifera in aging brain of stressed mice**

**Sharma M.L** Srivastava.P, Sharma S and Sharma P - Department of Zoology - M.S.J.College,Bharatpur

### **P3• Micro and macro nutrients associated with alcoholism**

**Dr. S. Seethalakshmi** M. Sc., M. Phil., Ph. D., PGDEM, PGDCA, FICS - 1\*Principal, Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam – 637205 - 2Dr. P Chinnaswamy, M.Sc., Ph.D., FICS, MAACC (USA), FIFCC, FACB (USA) 2Chief of Laboratory Services, Kovai Medical Centre and Hospital Ltd, Coimbatore - 641014 Tamil Nadu, India.

### **P4• Midlife dietary patterns and healthy aging among French adults: a prospective study**

**Karen E. Assmann**, MSc, MPH (1); Camille Lassale, PhD (1); Valentina A. Andreeva, PhD (1), Claude Jeandel, MD, PhD (2), Serge Hercberg, MD, PhD (1,3), Pilar Galan, MD, PhD (1), Emmanuelle Kesse-Guyot, PhD1 - (1) Université Paris 13, Equipe de Recherche en Epidémiologie Nutritionnelle (EREN), Centre d'Epidémiologie et Statistiques Sorbonne Paris Cité, Inserm (U1153), Inra (U1125), Cnam, COMUE Sorbonne Paris Cité, Bobigny, France - (2) Département de Gériatrie, Centre Balmès, CHU Montpellier, Université Montpellier I, Montpellier, France - (3) Département de Santé Publique, Hôpital Avicenne, Bobigny, France

### **P5• Dietary scores at midlife and healthy aging in the French prospective cohort Supplémentation en Vitamines et Minéraux Antioxydants (SU.VI.MAX)**

**Karen E. Assmann**, MSc, MPH (1); Valentina A. Andreeva, PhD (1); Géraldine M. Camilleri, MSc (1); Eric O. Verger, PhD (2,3); Claude Jeandel, MD, PhD (4); Serge Hercberg, MD, PhD (1,5); Pilar Galan, MD, PhD (1); Emmanuelle Kesse-Guyot, PhD (1) - (1) Université Paris 13, Equipe de Recherche en Epidémiologie Nutritionnelle (EREN), Centre d'Epidémiologie et Statistiques Sorbonne Paris Cité, Inserm (U1153), Inra (U1125), Cnam, COMUE Sorbonne Paris Cité, Bobigny, France - (2) Institut de Cardiométabolisme et Nutrition, ICAN, Assistance Publique-Hôpitaux de Paris, Pitié-Salpêtrière Hôpital, Département Nutrition, Paris, France - (3) INSERM, UMR\_S U1166, Equipe Nutrimique: Nutrition et Obésité; Approches Systémiques (NutriOmics), Paris, France - (4) Département de Gériatrie, Centre Balmès, CHU Montpellier, Université Montpellier I, Montpellier, France - (5) Département de Santé Publique, Hôpital Avicenne, Bobigny, France

### **P6• Midlife plasma vitamin D and performance in different cognitive domains assessed 13 years later**

**Karen E. Assmann**, MSc, MPH(1); Mathilde Touvier, PhD (1); Valentina A. Andreeva, PhD (1); Mélanie Deschasaux, MSc (1); Thierry Constans, MD, PhD (2,3); Serge Hercberg, MD, PhD (1,4); Pilar Galan, MD, PhD (1); Emmanuelle Kesse-Guyot, PhD (1) - (1) Université Paris 13, Equipe de Recherche en Epidémiologie Nutritionnelle (EREN), Centre d'Epidémiologie et Statistiques Sorbonne Paris Cité, Inserm (U1153), Inra (U1125), Cnam, COMUE Sorbonne Paris Cité, F-93017, Bobigny, France. - (2) Centre Mémoire et Département de Gériatrie, CHU de Tours, Tours, France. - (3) Université François Rabelais, Tours, France. - (4) Département de Santé Publique, Hôpital Avicenne, Bobigny, France.

### **P7• Modified cassava flour (mocaf) biscuit as a functional food for undernourished older people**

**Fatmah Hutasuhut**, Departement of Public Health Nutrition, Faculty of Public Health, University of Indonesia, Depok City, West Java Province, Indonesia

### **P8• Age-related changes in basal fuel oxidation and association with visceral adiposity and metabolic syndrome**

**Mario Siervo**, MD, PhD(1), Jose Lara PhD (1), Carlos Celis-Morales PhD (1), Clío Oggioni MD (1), Alberto Battezzati MD PhD (2), Alessandro Leone PhD (2), Anna Tagliabue MD PhD (3), Angela Spadafranca PhD (2), Simona Bertoli MD PhD (2) - (1)Human Nutrition Research Centre, Institute of Cellular Medicine, Newcastle University, Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK (2)International Center for the Assessment of Nutritional Status, (ICANS Department of Food, Environmental and Nutritional Sciences (DeFENS), University of Milan, Sandro Botticelli, 21, 20133 Milano, Italy

### **P9• Association between physical activity and motor function of the aging brain**

**Jinsung Wang** PhD. Center for Aging and Translational Research, University of Wisconsin-Milwaukee, Wisconsin, USA

### **P10• Correlations between plasma PCSK9, total cholesterol and plant sterols with aging in a randomized controlled trial**

**Celia Rodríguez-Pérez** PhD-candidate (1,2) Vanu Ramprasath Ramkumar, PhD (3,4) Shuaihua Pu, PhD-candidate (3,4), Ali Sabra, PhD (3), Rosa Quirantes-Piné, PhD (1,2) Antonio Segura-carretero, PhD (1,2) Peter J Jones, PhD (3,4) - (1) Research and Development Functional Food Centre (CIDAF), Health Science Technological Park, Avenida del Conocimiento s/n, Edificio BioRegión, 18017 Granada, Spain. (2) Department of Analytical Chemistry, University of Granada, Spain (3) Department of Human Nutritional Sciences, University of Manitoba, Winnipeg, Canada (4) Richardson Centre for Functional Foods and Nutraceuticals, University of Manitoba, Winnipeg, MB, Canada

### **P11• BMI, waist circumference, metabolic syndrome and incident dementia in 70 -74 years old subjects: gender makes the difference. Longitudinal data from the InveCe.Ab study**

**Arcangelo Ceretti** (1)Letizia Polito (1), Vincenza Frisardi (2), Antonio Guaita (1) - (1) GolgiCenci Foundation,Abbiategrosso, Milan, Italy; - (2) Geriatric Institute "C. Golgi" Abbiategrosso, Milan, Italy)

### **P12• Dietary patterns, cognitive decline and dementia: a systematic review**

**Agnes Berendsen** MSc (1), Ondine van de Rest, PhD (1), Annemien Haveman-Nies, PhD (1), and Lisette de Groot, PhD - (1) Division of Human Nutrition, Wageningen University, Wageningen, the Netherlands



## POSTERS

### **P13• The Role of Nutritional Status in the Association between Grip Strength and Mortality in the Old Age: Results from the KORA-Age Study**

**Barbara Strasser** ScDD (1), Marjan Arvandi, M.Stat (2), Christa Meisinger, MD (3), Raffaella Matteucci Gothe, M.Stat (2), Uwe Siebert, MD (2), Konstantinos Volaklis, PhD (4), Karl-Heinz Ladwig, MD (3), Eva Grill, PhD (5), Alexander Horsch, MD (6), Michael Laxy, MPH (7), Annette Peters, PhD (3), Barbara Thorand, PhD (3) - (1) Institute for Nutritional Sciences and Physiology, UMIT, Hall in Tirol, Austria - (2) Department of Public Health and Health Technology Assessment, UMIT, Hall in Tirol, Austria - (3) Institute of Epidemiology II, German Research Center for Environmental Health, Neuherberg, Germany - (4) Department of Prevention and Sports Medicine, TUM, Munich, Germany - (5) Institute for Medical Information Processing, Biometrics and Epidemiology (IBE), and German Center for Vertigo and Balance Disorders, Ludwig-Maximilians-University Munich, Munich, Germany - (6) Institute of Medical Statistics and Epidemiology, TUM, Munich, Germany - (7) Institute of Health Economics and Health Care Management, German Research Center for Environmental Health, Neuherberg, Germany

### **P14• Dietary intake of lead and cadmium calculated from dietary recall and available lead/cadmium level in food in comparison to result from food duplicate diet method**

**Pei Liu** PhD1, Can-Nan Wang MD2, Xiao-Yun Song MD2 - (1) Department of Epidemiology and Biostatistics, School of Public Health, Southeast University, Nanjing 210009, Jiangsu, China - (2) Department of Nutrition and Food Hygiene, School of Public Health, Southeast University, Nanjing 210009, China

### **P15• Relation between muscle quality and physical performance in older adults**

**Carla Tissiane de Souza Silva** PT Master's Program of Physical Education, Federal University of Paraná, Curitiba, Paraná, Brazil - Co-Authors & affiliations: Darla Silverio Macedo, RD, MSc (1), Liliana Laura Rossetin, PD, MSc (2), Elisangela Valevein Rodrigues, PT, MSc (3), Luiza Herminia Gallo, PD, MSc (4), Estela Iraci Rabito, MD, PhD (5), Vitor Last Pintarelli, MD PhD (6), Anna Raquel Silveira Gomes, PT, PhD (7), Maria Eliana Madalozzo Schieferdecker, RD, PhD (8) - (1,5,8) Department of Nutrition. Food and Nutritional Security. Federal University of Parana, Curitiba, Paraná, Brazil. (2) Master's Program of Physical Education, Federal University of Paraná, Curitiba, Paraná, Brazil. (3) Doctoral Program of Physical Education, Federal University of Paraná. Course Massage Therapy, Federal Institute of Paraná, Curitiba, Paraná, Brazil. (4) Doctoral Program of Physical Education, Federal University of Paraná, Curitiba, Paraná, Brazil. (6) Curitiba, Paraná, Brazil. (7) Physical Therapy and Master's/Doctoral Program of Physical Education, Federal University of Paraná, Curitiba, Paraná, Brazil.

### **P16• Sarcopenia indicators in fallers and non-fallers community-dwelling older women**

Liliana Laura Rossetin, PE, MSc (2), Elisangela Valevein Rodrigues, PT, MSc (3), Luiza Herminia Gallo, PE, MSc (4), Darla Silvério Macedo, RD, MSc (5), Maria Eliana RD, PhD (8), Vitor Last Pintarelli, MD, PhD (7), Estela Iraci Rabito, MD, PhD (8), Anna Raquel Silveira Gomes, PT, PhD (9) (2) Master's Program of Physical Education, Federal University of Paraná, Curitiba, Paraná, Brazil. (3) Doctoral Program of Physical Education, Federal University of Paraná. Course Massage Therapy, Federal Institute of Paraná, Curitiba, Paraná, Brazil. (4) Doctoral Program of Physical Education, Federal University of Paraná, Curitiba, Paraná, Brazil. (5, 8) Department of Nutrition. Food and Nutritional Security. Federal University of Parana, Curitiba, Paraná, Brazil. (7), Curitiba, Paraná, Brazil. (9) Physical Therapy and Master's/Doctoral Program of Physical Education, Federal University of Paraná, Curitiba, Paraná, Brazil.

### **P17• Relationship between muscle mass and lifestyle factors including diet and exercise habit among community-dwelling older adults**

**Taketo Furuna**, Satoshi Oikawa, Hikaru IHIRA, Atsushi Mizumoto, Keitarou Makino, Toyooki Ishida and Koutaro Shimizu Taketo Furuna, PhD(1), Satshi Oikawa, PT(2), Hikaru Ihira, PhD(1), Atsushi Mizumoto PhD(3), Keitarou Makino, Ms(3), Toyooki Ishida, PT(3) and Koutaro Shimizu, PT(3) (1) Department of 1st Division of Physical Therapy, School of Health Science, Sapporo Medical School, Sapporo, Japan (2) Department of Physical Therapy, School of Health Science, Sapporo Medical School, Sapporo, Japan (3) Graduate School of Health Science, Sapporo Medical School, Sapporo, Japan

### **P18• Malnutrition in acute hip fracture patients. More prevalent than we thought?**

**Juan I. González-Montalvo**, MD PhD. Geriatrics Department, Hospital Universitario La Paz, Madrid, Spain. IdiPAZ. Reticef authors and affiliations: Rocío Menéndez. MD (1,2), Teresa Alarcón MD PhD (1,2,3), Coro Mauleón MD (1), Rocío Velasco MD (1), Macarena Diaz-de Bustamante MD (1), Angel Otero MD PhD (2,3,4). (1) Geriatrics Department, Hospital Universitario La Paz, Madrid, Spain. (2) IdiPAZ. (3) RETICEF. (4) Preventive Medicine Department, Universidad Autónoma de Madrid, Madrid, Spain

### **P19• Evaluation of a therapeutic insole device on postural stability in older people with type 2 diabetes (SENSOLE feasibility study)**

**Sophie C. Regueme**, PhD (1), Alexandra Delmas, MSc (2), Hamid Laksir, MD (1), Charles Cowtan, MSc (3), Mark Kelson, PhD (3), Joel Poustis, PhD (2), Isabelle Bourdel-Marchasson, MD, PhD (4), and the MID-Frail Consortium - (1) Gerontology department, University Hospital (CHU) of Bordeaux, Bordeaux, France - (2) Hexabio, R&D (SARL), Pessac, France (3) South East Wales Trials Unit, School of Medicine, Cardiff University, Cardiff, United Kingdom - (4) University Bordeaux and CNRS, RMSB, UMR 5536, Bordeaux, France.

### **P20• Association of self-perceived health status with combined health behaviours: An e-survey among British adults of retirement age**

**Jose Lara**, PhD, Caroline Wiuff MSc, Aivaras Cepelis BSc, John C Mathers PhD. Human Nutrition Research Centre, Institute of Cellular Medicine; Newcastle University. Biomedical Research Building, Campus for Ageing and Vitality. Newcastle Upon Tyne, NE4 5PL, UK.

### **P21• Perceived barriers to healthy eating and adherence to the Mediterranean Diet: An e-survey among British adults of retirement age**

**Jose Lara**, PhD, Caroline Wiuff MSc, Aivaras Cepelis BSc, John C Mathers PhD. Human Nutrition Research Centre, Institute of Cellular Medicine; Newcastle University. Biomedical Research Building, Campus for Ageing and Vitality. Newcastle Upon Tyne, NE4 5PL, UK.

### **P22• Cost of adherence to the Mediterranean Diet among British adults: the influence of seasonality**

**Jose Lara**, PhD, Danai Trikerioti Chatziioannou BSc, Santana Zawarska BSc, Caroline Wiuff MSc, Shakir Chowdhury BSc, John C Mathers PhD. - Human Nutrition Research Centre, Institute of Cellular Medicine, Newcastle University. Biomedical Research Building, Campus for Ageing and Vitality. Newcastle Upon Tyne, NE4 5PL, UK.



# IANA 2015

International Academy  
Nutrition  
and Aging



Thursday – Friday, June 18–19, 2015 Barcelona, Spain

## POSTERS

### **P23• Body weight and hypothalamic insulin resistance in app/ps1 and 5xfad mouse models of alzheimer disease**

**Teresa Fernández-Agulló**, MD PhD8, **Miriam García-San Frutos**, PhD1, **Nuria. Lauzurica**, PhD2, **Johanna Ximena Sierra Rojas**, predoctoral fellow 1, **Virginia Pla**, predoctoral fellow 2, **Julián Romero**, PhD3, **Carmen Vázquez**, predoctoral fellow 3, **Rosa M<sup>a</sup> Tolón**, PhD4, **Ester Aso**, PhD5, **Isidro Ferrer**, MD PhD6, **Fernando Aguado**, PhD7. **T. Fernández-Agulló**, MD PhD. Departamento de Ciencias Básicas de la Salud, Facultad de Ciencias de la Salud, Universidad Rey Juan Carlos, Madrid, Spain. Co-Authors & affiliations: **M. García-San Frutos**, PhD1, **N. Lauzurica**, PhD2, **J.X. Sierra Rojas**, predoctoral fellow1. Departamento de Ciencias Básicas de la Salud, Facultad de Ciencias de la Salud, Universidad Rey Juan Carlos, Madrid, Spain. **J. Romero**, PhD3, **C. Vázquez**, predoctoral fellow 3, **R.M<sup>a</sup> Tolón**, PhD4. Laboratorio de Apoyo a la Investigación. Hospital Universitario Fundación Alcorcón. Madrid. Spain. **E. Aso**, PhD5, **I. Ferrer**, MD PhD6, Institut de Neuropatologia, Servei d'Anatomia Patològica, IDIBELL-Hospital Universitari de Bellvitge, Universitat de Barcelona, L'Hospitalet de Llobregat, Spain; Centro de Investigación Biomédica en Red de Enfermedades Neurodegenerativas, Instituto Carlos III, Spain. **F. Aguado**, PhD5, **V. Pla**, predoctoral fellow 2. Departamento de Biología Celular, Facultad de Ciencias Biológicas, Universidad de Barcelona, Barcelona, Spain.

### **P24• A systematic Review of qualitative and quantitative studies: Attitudes and barriers to percutaneous endoscopic gastrostomy feeding**

**Mohamed Hasif Jaafar**, BAScISAgeing and Age-Associated Disorders research Group, Health and Translational Medicine cluster, University of Malaya, Malaysia

### **P25• Caregiver's transitions to nutrition refuse of the terminal cancer patient**

**C Laranjeira**, Research Unit in Education and Community Intervention – Piaget Institute, Viseu, Portugal

### **P26• Systematic review and meta-analysis of randomised controlled trials testing the effects of vitamin C supplementation on blood lipids**

**Ammar W. Ashor** (1,2) (1) Human Nutrition Research Centre, Institute of Cellular Medicine, Newcastle University, Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK (2) College of Medicine, University of Al-Mustansiriyah, Baghdad, Iraq - Co-Authors & affiliations: **Mario Siervo**1, **Femke van der Velde** (1), **Naomi Willis** (1) and **John C. Mathers**1 - (1) Human Nutrition Research Centre, Institute of Cellular Medicine, Newcastle University, Campus for Ageing and Vitality, Newcastle on Tyne, NE4 5PL, UK

### **P27• Long-term omega-3 fatty acid supplementation ameliorates cochlear homocysteine metabolism and progressive hearing loss in mice**

**Néstor Vallecillo** (1,2); **Raquel Martínez-Vega** (1,2); **Teresa Partearroyo**, PhD (3); **Gregorio Varela-Moreiras**, PhD (3); **Isabel Varela-Nieto**, PhD (1,2,4), **María Angeles Pajares**, PhD (1,2,4) - (1) Instituto de Investigaciones Biomédicas Alberto Sols (CSIC-UAM), Madrid, Spain, (2) Unidad 761, Centro de Investigación Biomédica en Red de Enfermedades Raras (CIBERER), Instituto de Salud Carlos III, Madrid, Spain. (3) Departamento de Ciencias Farmacéuticas y de la Salud, Facultad de Farmacia, Universidad CEU San Pablo, Madrid, Spain (4) Instituto de Investigación Sanitaria La Paz (IdiPAZ), Madrid, Spain.

### **P28• Body composition and eating habits of nursing home residents in Krakow and the risk of malnutrition.**

**Beata Piórecka** PhD (1), **Katarzyna Kubarek** MSc (1), **Katarzyna Dębska** MSc (1), **Paweł Jagielski** MSc(1) - (1) Human Nutrition Department, Faculty of Health Sciences, Jagiellonian University Medical College, Kraków, Poland.

### **P29• The Relationship Between Nutritional Status and Depression Among Hospitalized Older Adults**

**Irina-Mihaela Crăcană** MD, PhDs (1), **Andrei Luca** MD, PhDs (2), **Ramona Stefăniu** MD, PhDs (3), **Alexandra Rusu**, medical student, **Ioana-Dana Alexa** (1), Prof, MD, PhD (1) - University of Medicine and Pharmacy "Grigore T. Popa" – Iași Faculty of Medicine (1) Discipline of Internal Medicine, Nephrology and Geriatrics (2) Discipline of Pathophysiology "Dr. C.I. Parhon" Hospital, Iași (3) Department of Clinical Geriatrics

### **P30 • Nutritional Risk in Elderly People with Dementia**

**C Laranjeira** (1) - (1) Research Unit in Education and Community Intervention – Piaget Institute, Viseu, Portugal

### **P31 • Frailty in Elderly- A Nutritional Evaluation**

**Majida Shaheen** PhD (1), **Dr. Seema Puri** PhD (2) - (1) Ph.D. Scholar, Department of Home Science, Delhi University, India - (2) Associate Professor, Department of Nutrition, Delhi University, India

### **P32 • Nutritional state in the institutionalized elderly: a case report**

**C Laranjeira**, Research Unit in Education and Community Intervention – Piaget Institute, Viseu, Portugal

Partner:

