



**ESPEN**

European Society for Clinical Nutrition and Metabolism

## ESPEN Research Fellowship Grants

### Year 2018

*Metabolomic and body composition analysis in paediatric Crohn's disease*

**James John ASHTON** – University of Southampton, United Kingdom

*Omega-3 fatty acids as treatment for cognitive and motor deficits in former contact sport athletes*

**Thomas George DI VIRGILIO** – University of Stirling, United Kingdom

*Butyrate-promoting dietary fibres as a potential strategy for the prevention of type-2 diabetes*

**Tatiana Milena MARQUES** – Orebro University, Sweden

*Understanding the cellular mechanisms sustaining functional capacity improvement with prehabilitation in colorectal cancer patients*

**Enrico Maria MINNELLA** – McGill University, Montreal, Canada

*A time for food: The effects of time-restricted feeding on glycaemic control and gut microbiome in individuals with type 2 diabetes*

**Evelyn Bridget PARR** – Australian Catholic University, Melbourne, Australia

*The role of white adipose tissue browning in the etiology of cancer cachexia in humans*

**Gregory van der KROFT** – Maastricht University, The Netherlands

*Can beta-hydroxy-beta-methylbutyrate (HBM) supplementation counteract muscle catabolism in critically ill patients? A double-blind randomized trial*

**Marina Vercoza VIANA** – University of Lausanne, Switzerland



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*The impact of weight loss through alternate day fasting on homeostatic and hedonic appetite control and eating behavior: a proof of concept randomized controlled trial*

**Kristine BEAULIEU** – University of Leeds, United Kingdom

*Protein absorption in critical illness (PACE trial)*

**Lee-Anne CHAPPLE** – University of Adelaide, Australia

*Characterization of TRAIN as a novel therapeutic target for liver disease*

**Jorge C. CORREIA** – Karolinska Institutet, Sweden

*Effect of increasing the butyrate-producing gut microbiota in patients with irritable bowel syndrome via faecal microbiota transfer*

**Julia KONIG** – Orebro University, Sweden

*Personalised nutrition solutions to combat sarcopenia: variable efficacy of dietary LC n-3 PUFA and leucine combinations*

**Caoileann MURPHY** – UCD Conway Institute of Biomolecular and Biomedical Research, Ireland

*Determination of the time-course of development of insulin resistance and associated molecular and muscular adaptations during inactivity in 3 days of bed rest*

**Nathalie SHUR** – University of Nottingham, United Kingdom

*Role of metabolic phenotyping, changes in gut function, and the response to a meal to explain the variability in weight loss induced by a very low caloric diet in (morbidly) obese adults*

**Sunday Y. SIMBO** – Texas A & M University, College Station, USA



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*Evaluation of Tryptophan-kynurenine metabolism in undernourished mice: impact of physical activity during refeeding*

**Najate ACHAMRAH** – University of Rouen, INSERM, France

*Effects of diet-induced weight loss on insulin sensitivity in metabolically abnormal normal-weight subjects*

**Edda CAVA** - Washington University Saint-Louis, School of Medicine, USA

*Exercise induced gut dysfunction and the anabolic response to feeding in patients with Chronic Obstructive Pulmonary Disease and Chronic Heart Failure*

**Clayton CRUTHIRDS** - Texas A&M University (TAMU), Center for Translational Research in Aging & Longevity, College Station, USA

*Enhancement of anabolic sensitivity to diet and exercise by n-3 PUFA in pre-cachectic cancer patients*

**Filippo Giorgio DI GIROLAMO** – University Hospital of Cattinara, University of Trieste, Italy

*Physical activity and gut microbiome diversity connected to skeletal muscle function and healthy aging*

**Shawon LAHIRI** – Department of Microbiology, Tumor and Cell Biology, Karolinska Institute, Stockholm, Sweden

*Therapeutic effects of the metabolic targeting of macrophage function in diet-induced obese mice bearing mammary tumors*

**Stéphanie Anne-Sophie LAVERSIN** – University of Southampton, Faculty of Medicine, Cancer Sciences Academy Unit, United Kingdom

*Mechanisms of n-3 PUFA supplementation in the attenuation of human skeletal muscle disuse atrophy in aging*

**Chris McGLORY** – McMaster University, Department of Kinesiology, Hamilton, Ontario, Canada

*Long-term consequences of caloric restriction during the first week of paediatric critical illness*

**Esther van PUFFELEN** - ErasmusMC, Sophia Children's Hospital, Rotterdam, Netherlands



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*Identification of intestinal phenotypes correlated with neuro-behavioral patterns in obese mini-pigs undergoing laparoscopic Roux-en-Y gastric bypass*

**Damien BERGEAT** – University of Rennes, France

*Investigation of the composition and activity of the gut microbiota in patients with acute myeloid leukemia*

**Laure BINDELS** – Metabolism and Nutrition Research Group, Université Catholique de Louvain, Belgium

*The effect of oral feeding on gastric emptying, small bowel water content, superior mesenteric artery blood flow, plasma hormone concentrations and blood volume in obese and healthy weight subjects*

**Damian BRAGG** – Queens Medical Centre, University of Nottingham, United Kingdom

*Restoring the beneficial effects of enterohepatic bile salt signaling by re-infusing chyme in patients with intestinal failure*

**Kiran KOELFAT** – NUTRIM School for Nutrition, University of Maastricht, Netherlands

*Molecular signaling pathways involved in muscle wasting in human cancer cachexia*

**Michael RAMAGE** – University of Edinburgh, United Kingdom

*Impact of different protein levels intake on muscle mass and function in sarcopenic obese rats*

**Fanny ROSSIGNON** – Human Nutrition Unit, Clermont-Ferrand University, France

*Protein ingestion as a strategy to enhance muscle protein anabolism in hemodialysis patients*

**Stephan VAN VLIET** – Nutrition and Exercise Performance Laboratory, University of Illinois, Urbana-Champaign, USA

*Is unacylated ghrelin a novel anabolic hormone? Potential role of unacylated ghrelin in preserving age-associated derangements in muscle metabolism and mass*

**Pierandrea VINCI** – Ospedali Riuniti, University of Trieste, Italy

*Triheptanoin treatment and restoring intermediary metabolism in type 2 diabetes*

**Agata WIERZCHOWSKA** – Texas A&M University (TAMU), Center for Translational Research in Aging & Longevity, College Station, USA



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*Early goal directed nutrition in ICU patients*

**Matilde ALLINGSTRUP** – Copenhagen University Hospital, Denmark

*Using the paradoxical second meal phenomenon to gain insight into the molecular and metabolic regulation of whole body glucose metabolism*

**Javier GONZALEZ** – North Umbria University, Newcastle, United Kingdom

*Therapeutic potential of glycine to counteract muscle wasting in sepsis*

**Daniel HAM** – University of Melbourne, Australia

*Intestinal failure associated liver disease*

**Angelique HUIJBERS** – Radboud University Medical Centre, Nijmegen, The Netherlands

*Protein requirements and the effects of chemotherapy on protein digestion and absorption capacity in patients with pancreatic cancer*

**Gerdien LIGTHART-MELIS** – Texas A&M University (TAMU), College Station, TX, USA

*Myosteatosis and muscle wasting in pancreatic cancer*

**Katie ROLLINS** – Nottingham University Hospitals NHS Trust, Nottingham, United Kingdom

*Nitrate supplementation to improve metabolic efficiency and endurance exercise training in patients with COPD*

**Coby van de BOOL** – Maastricht University, The Netherlands



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*Intestinal permeability in activity-based anorexia model: a nutritional target?*

**Liliana BELMONTE** – INSERM U 1073, University of Rouen, France

*Targetting skeletal muscle loss, inflammation and oxidative stress with glycine*

**Marissa CALDOW** – University of Melbourne, Australia

*Intensive nutritional counseling with oral nutritional supplements in cancer patients undergoing radiotherapy: a randomized controlled trial*

**Emanuele CEREDA** – Fondazione IRCCS Policlinico San Matteo, Pavia, Italy

*Description of lactate turnover in a 3-pool model using 13C-labelled lactate*

**Jonathan GRIP** – Karolinska University Hospital, Huddinge, Sweden

*Investigation of the effects of a symbiotic on adipose tissue biology in patients with non-alcoholic fatty liver disease*

**Josune OLZA** – University of Southampton, United Kingdom

*Metabolic effects of chemotherapy and the clinical effects of nutritional intervention in cancer*

**Barbara van der MEIJ** – Vrij University Medical Center, Amsterdam, Netherlands & Texas A&M University (TAMU), College Station, TX, USA



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### Year 2012

*Cancer-induced anorexia, a search for its pathological mechanisms and nutritional targets for moderation or prevention*

**Jvalini DWARKASING** – Wageningen University, The Netherlands

*Chewing efficiency measured by a two colour chewing gum test: a marker of insufficient nutritional intakes and percutaneous gastrostomy (PEG) necessity in ALS patients?*

**Laurence GENTON** – University Hospital Geneva, Switzerland

*Removal of duodenum: a new approach to understand the effects of the entero-pancreatic axis in regulating human metabolism*

**Teresa MEZZA** – Endocrinology and Metabolic Diseases, Roma, Italy

*Metabolic effects of n-3 polyunsaturated fatty acids in skeletal muscle and liver – Mechanisms and applications under chronic and acute conditions of nutritional stress*

**Anna Maria SEMOLIC** – Department of Medical, Surgical and Health Sciences, Trieste, Italy

*miRNA profiling to identify pathways involved in muscle loss during cancer cachexia*

**Nicolas TARDIF** – Karolinska Institutet, Stockholm, Sweden

*Effect of enteral nutritional intervention on glutathione metabolism during Pseudomonas aeruginosa induced sepsis in the pig*

**Gabriella ten HAVE** – Department of Health and Kinesiology, Texas A&M University (TAMU)  
– College Station, TX, USA

*The Phase Angle Project*

**Ronan THIBAUT** – Department of Clinical Nutrition, University of Clermont-Ferrand, France

*Preoperative carbohydrate loading on postoperative muscle insulin resistance*

**Krishna VARADHAN** – Division of Gastrointestinal Surgery, West Block Nottingham  
University Hospitals, Nottingham, United Kingdom



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### Year 2011

*Investigating mechanisms that determine the magnitude of postoperative inflammatory and insulin resistance responses*

**Sherif AWAD** – Division of Gastrointestinal Surgery, Nottingham Digestive Diseases Centre, Nottingham, United Kingdom

*Can citrulline enhance growth and protein anabolism in an animal model of low birth weight infants receiving enteral nutrition?*

**Aurélie BOURDON** - Université de Nantes, Physiology of Nutritional Adaptations, Hotel Dieu Hospital, Nantes, France

*Questionnaire to assess compliance of clinicians with ESPEN guidelines (EBM Grant)*

**Federico BOZZETTI** – Faculty of Medicine, University of Milan, Italy

*Long term effects of a healthy Nordic diet on abdominal obesity and cardio metabolic risk: a randomized, controlled study*

**Liselotte CLOETENS** – Lund University, Biomedical Nutrition, Lund, Sweden

*Ghrelin: from orexigenic to muscle anabolic agent? – Mechanisms of ghrelin effects to promote muscle anabolic changes and applications in wasting conditions*

**Gianluca GORTAN CAPPELLARI** – Department of Medical, Technological and Translational Sciences, University of Trieste, Italy

*Muscle protein synthesis as an outcome measure for intervention studies in cancer cachexia*

**Alisdair MacDONALD** – Tissue injury and repair group, Edinburgh, United Kingdom

*Does citrulline diet-supplementation could be a therapy in Alzheimer's disease?*

**Perrine MARQUET-DE-ROUGE** – Mayo Clinic, Endocrine Research Unit, Rochester, MN, USA

*Energy and mitochondrial function in liver tissue during systemic inflammatory response syndrome (SIRS) in humans*

**Henrik MASCHER** – Anesthesiology and Intensive Care, Department of Clinical Science, Intervention and Technology, Karolinska Institutet, Stockholm, Sweden