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 – MgGill 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
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
ESPEN Research Fellowship Grants

Year 2016

**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
Year 2015

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-Champain, 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
ESPEN Research Fellowship Grants

**Year 2014**

*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
ESPEN Research Fellowship Grants

**Year 2013**

*Intestinal permeability in activity-based anorexia model: a nutritional target?*
Liliana BELMONTE – INSERM U 1073, University of Rouen, France

*Targeting 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
ESPEN Research Fellowship Grants

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 THIBAULT – 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
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