Year 2020

CT-derived muscle, adipose and lung tissue interaction as predictors for short-term outcome and long-term multidimensional health status after a COVID-19 infection: InteraCT study
   Rosanne J.H.C.G BEIJERS – Maastricht University - The Netherlands

Oral glutamine supplementation during obesity: focus on functional gastrointestinal disorders and insulin-resistance
   Jonathan BRETON – INSERM – Rouen, France

Can home-based ‘exercise snacks’ ameliorate the early effects of step reduction on dietary protein utilization and glycemic control in older adults?
   Nathan HODSON – University of Toronto - Canada

A randomized, double blinded crossover study on using sodium MRI to study sodium balance in abdominal organs and muscle in response to the effects of saline and plasma-lyte infusions
   Benjamin PRESTWICH - University of Nottingham - United Kingdom

Establishing a novel gut-brain axis model towards precision nutrition
   Julia RODE - Örebro University – Sweden

Effects of early-life protein intake on body fat and lean mass: the role of the intestinal microbiome
   Trudy VOORTMAN – Erasmus University Medical Center - Rotterdam, The Netherlands
ESPEN Research Fellowship Grants

Year 2019

To determine the effect of surgical induced systemic inflammation on immobilisation induced decline in muscle protein synthesis and immune cell
Matthew BROOK – University of Nottingham, United Kingdom

Continuous versus intermittent nutrition in paediatric intensive care: a proof-of-concept
Renate D. EVELEENS – Sophia Research B.V. – Rotterdam, The Netherlands

The intestinal microbiota as a mediator between diet and chronic obstructive pulmonary disease”
Sarah KIRSCHNER – University of Hohenheim – Stuttgart, Germany

The effect of intermittent fasting on rates of muscle protein synthesis in overweight, middle-aged men
Imre W. K. KOUW – Mary MacKillop Institute for Health Research – Melbourne, Australia

Cancer cachexia and the gut microbiota: impact on muscle atrophy in mice
Mathilde SIMONSON – University Clermont-Auvergne - Clermont-Ferrand, France

Food reward and taste perception in head and neck cancer – New leads to optimize treatment efficacy and recovery after chemotherapy
Anna C.H. WILLEMSEN – University of Maastricht – The Netherlands
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
Year 2017

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
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  
Shawn 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 PUFELENI - ErasmusMC, Sophia Children’s Hospital, Rotterdam, Netherlands
## ESPEN Research Fellowship Grants

### Year 2015

<table>
<thead>
<tr>
<th>Title</th>
<th>Applicant</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Identification of intestinal phenotypes correlated with neuro-behavioral patterns in obese mini-pigs undergoing laparoscopic Roux-en-Y gastric bypass</td>
<td>Damien BERGEAT</td>
<td>University of Rennes, France</td>
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<tr>
<td>Investigation of the composition and activity of the gut microbiota in patients with acute myeloid leukemia</td>
<td>Laure BINDELS</td>
<td>Metabolism and Nutrition Research Group, Université Catholique de Louvain, Belgium</td>
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<tr>
<td>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</td>
<td>Damian BRAGG</td>
<td>Queens Medical Centre, University of Nottingham, United Kingdom</td>
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<tr>
<td>Restoring the beneficial effects of enterohepatic bile salt signaling by re-infusing chyme in patients with intestinal failure</td>
<td>Kiran KOELFAT</td>
<td>NUTRIM School for Nutrition, University of Maastricht, Netherlands</td>
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<td>Molecular signaling pathways involved in muscle wasting in human cancer cachexia</td>
<td>Michael RAMAGE</td>
<td>University of Edinburgh, United Kingdom</td>
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<tr>
<td>Impact of different protein levels intake on muscle mass and function in sarcopenic obese rats</td>
<td>Fanny ROSSIGNON</td>
<td>Human Nutrition Unit, Clermont-Ferrand University, France</td>
</tr>
<tr>
<td>Protein ingestion as a strategy to enhance muscle protein anabolism in hemodialysis patients</td>
<td>Stephan VAN VLIET</td>
<td>Nutrition and Exercise Performance Laboratory, University of Illinois, Urbana-Champaign, USA</td>
</tr>
<tr>
<td>Is unacylated ghrelin a novel anabolic hormone? Potential role of unacylated ghrelin in preserving age-associated derangements in muscle metabolism and mass</td>
<td>Pierandrea VINCI</td>
<td>Ospedali Riuniti, University of Trieste, Italy</td>
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<tr>
<td>Triheptanoin treatment and restoring intermediary metabolism in type 2 diabetes</td>
<td>Agata WIERZCHOWSKA</td>
<td>Texas A&amp;M University (TAMU), Center for Translational Research in Aging &amp; Longevity, College Station, USA</td>
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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

*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 – Vrije 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