Year 2022

Pathogenesis of intestinal failure associated liver disease (IFALD) - effect of genetics, trace elements and nutrition on IFALD
   Elisabeth BLÜTHNER – Charité Universitätsmedizin Berlin - Germany

Effect of aerobic or resistance exercise, or both, on ciliary neurotrophic factor - Plasma levels and skeletal muscle signaling in dieting frail older adults with obesity: a randomized control trial
   Georgia COLLELUORI – Marche Polytechnic University – Ancona - Italy

Exploring the probiotic and postbiotic effect of Akkermansia muciniphila on intestinal barrier function in patients with Parkinson’s disease - applying Ussing chambers and electron microscopy techniques
   John-Peter GANDA-MALL – Örebro University - Sweden

Determining the impact of two-weeks of step reduction on skeletal muscle mitochondrial proteome & bioenergetics in older adults with and without dietary intervention
   Ryan MARSHALL – University of Birmingham – United Kingdom

Effects of vitamin D on bone, muscle, and adipose tissue in obese subjects: a randomized double-blind, placebo-controlled study
   Flavia TRAMONTANA – Campus Bio-Medico University of Rome - Italy

Investigating the role of fasted exercise on improving cardiometabolic health; a potential mediatory role of sirtuins
   Adora YAU – Manchester Metropolitan University, United Kingdom
Year 2021

**Glucosafe 2 – A new tool for Nutritional Management and Insulin-therapy in the Intensive Care Unit**

Aude de WATTEVILLE – Geneva University Hospitals - Switzerland

**Does combined resistance exercise and amino acid supplementation improve muscle protein balance in critically ill patients? A randomized controlled trial**

Arabella FISCHER – Medical University of Vienna, Austria & Karolinska University Hospital, Sweden

**Is correction of malnutrition sufficient to improve low physical function before elective colorectal cancer surgery? A randomized controlled trial of nutrition vs nutrition and exercise prehabilitation**

Chelsia GILLIS – The Research Institute of the McGill University Health Centre – Montreal – Canada

**The Impact of energy restriction versus daily exercise on tumor and muscle tissue protein synthesis rates in breast cancer**

Andrew HOLWERDA - Maastricht University Medical Centre - The Netherlands

**Targeted nutritional approach to improve gut function and short chain fatty acid metabolism by restoring gut absorption during recovery from sepsis**

Sarah RICE - Texas A&M University – College Station - USA

**Post-prandial hypoglycemia after metabolic surgery in type 2 diabetes: pathophysiological mechanisms and impact on cognitive and cardiac function**

Domenico TRICO – University of Pisa - Italy
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 KIRSCHER – 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. WILLEMSSEN – University of Maastricht – The Netherlands
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
Espen Research Fellowship Grants

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
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
<table>
<thead>
<tr>
<th>Title</th>
<th>Researchers</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 – University of Rennes, France</td>
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<td>Investigation of the composition and activity of the gut microbiota in patients with acute myeloid leukemia</td>
<td>Laure BINDELS – 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 – Queens Medical Centre, University of Nottingham, United Kingdom</td>
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<td>Restoring the beneficial effects of enterohepatic bile salt signaling by re-infusing chyme in patients with intestinal failure</td>
<td>Kiran KOELFAT – 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 – 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 – Human Nutrition Unit, Clermont-Ferrand University, France</td>
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<td>Protein ingestion as a strategy to enhance muscle protein anabolism in hemodialysis patients</td>
<td>Stephan VAN VLIET – Nutrition and Exercise Performance Laboratory, University of Illinois, Urbana-Champain, USA</td>
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<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 – 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 – Texas A&amp;M University (TAMU), Center for Translational Research in Aging &amp; Longevity, College Station, USA</td>
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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
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
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
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