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## Kort præsentation

ResearcherID: A-1760-2015  
Scopus ID: 57192126076

My research has primarily focused on movement behaviors (physical activity and sleep) and the link to nutritional behavior, obesity and health (mental and metabolic). Recently, we made a breakthrough in the area of personalized nutrition showing that diets should be tailored to different groups of individuals. This is something scientists have searched for in decades and might be one of the major reasons why one superior diet will never be identified. In the future I will follow this lead and design RCT's that answers these specific questions.

## Kvalifikationer

Forskningsår  
jun. 2009 → jun. 2010

Human Ernæring  
sep. 2007 → jun. 2010

Ildræt, Institut for Ildræt og Ernæring  
sep. 2003 → jun. 2006

## Ansættelse

**Gæsteforsker**  
Fedmeforskning  
Københavns Universitet  
København N.  
29 mar. 2021 → nu

### Postdoc

Institut for Ildræt og Ernæring  
Københavns Universitet  
København N.  
1 apr. 2014 → 30 jun. 2015

### Institut for Ildræt og Ernæring

Københavns Universitet  
København N.  
7 sep. 2012 → 8 jan. 2013

## Publikationer

### **Predicting weight loss success on a new Nordic diet: an untargeted multi-platform metabolomics and machine learning approach**

Pigsborg, Kristina, Stentoft-Larsen, V., Demharter, S., Aldubayan, Mona Adnan Y, Trimigno, A., Khakimov, Bekzod, Engelsen, Søren Balling, Astrup, A., Hjorth, Mads Fiil, Dragsted, Lars Ove & Magkos, Faidon, 2023, I: *Frontiers in Nutrition*. 10, 12 s., 1191944.

### **Supplementation with inulin-type fructans affects gut microbiota and attenuates some of the cardiometabolic benefits of a plant-based diet in individuals with overweight or obesity**

Aldubayan, Mona Adnan Y, Mao, Xiaotian, Laursen, M. F., Pigsborg, Kristina, Christensen, Lars, Roager, Henrik Munch, Nielsen, Dennis Sandris, Hjorth, Mads Fiil & Magkos, Faidon, 2023, I: *Frontiers in Nutrition*. 10, 13 s., 1108088.

**Weight loss relapse associated with exposure to perfluoroalkylate substances**

Grandjean, P., Meddis, Alessandra, Nielsen, F., Sjödin, Anders Mikael, Hjorth, Mads Fiil, Astrup, A. & Budtz-Joergensen, Esben, 2023, I: Obesity. 31, 6, s. 1686-1696 11 s.

***Prevotella* abundance and salivary amylase gene copy number predict fat loss in response to wholegrain diets**

Christensen, Lars, Hjorth, Mads Fiil, Krych, Lukasz, Licht, T. R., Lauritzen, Lotte, Magkos, Faidon & Roager, Henrik Munch, 2022, I: Frontiers in Nutrition. 9, 7 s., 947349.

**A double-blinded, randomized, parallel intervention to evaluate biomarker-based nutrition plans for weight loss: The PREVENTOMICS study**

Aldubayan, M. A., Pigsborg, K., Gormsen, S. M. O., Serra, F., Palou, M., Galmés, S., Palou-March, A., Favari, C., Wetzels, M., Calleja, A., Rodríguez Gómez, M. A., Castellnou, M. G., Caimari, A., Galofré, M., Suñol, D., Escoté, X., Alcaide-Hidalgo, J. M., M Del Bas, J., Gutierrez, B., Krarup, T. & 2 flere, Hjorth, Mads Fiil & Magkos, Faidon, 2022, I: Clinical Nutrition. 41, 8, s. 1834-1844 11 s.

**Effects of sleep manipulation on markers of insulin sensitivity: A systematic review and meta-analysis of randomized controlled trials**

Sondrup, N., Termannsen, A. D., Eriksen, J. N., Hjorth, Mads Fiil, Færch, K., Klingenberg, L. & Quist, Jonas Salling, 2022, I: Sleep Medicine Reviews. 62, 14 s., 101594.

**Empowering consumers to PREVENT diet-related diseases through OMICS sciences (PREVENTOMICS): protocol for a parallel double-blinded randomised intervention trial to investigate biomarker-based nutrition plans for weight loss**

Aldubayan, Mona Adnan Y, Pigsborg, Kristina, Gormsen, S. M. O., Serra, F., Palou, M., Mena, P., Wetzels, M., Calleja, A., Caimari, A., Del Bas, J., Gutierrez, B., Magkos, Faidon & Hjorth, Mads Fiil, 2022, I: B M J Open. 12, 3, 12 s., e051285.

**Unprocessed red meat in the dietary treatment of obesity: a randomized controlled trial of beef supplementation during weight maintenance after successful weight loss**

Magkos, Faidon, Rasmussen, Sidse Ida Ingemann, Hjorth, Mads Fiil, Asping, S., Rosenkrans, M. I., Sjödin, Anders Mikael, Astrup, A. & Geiker, Nina Rica Wium, 2022, I: American Journal of Clinical Nutrition. 116, 6, s. 1820-1830 11 s.

**A protein-supplemented very-low-calorie diet does not mitigate reductions in lean mass and resting metabolic rate in subjects with overweight or obesity: A randomized controlled trial**

Magkos, Faidon, Hjorth, Mads Fiil, Asping, S., Rosenkrans, M. I., Rasmussen, Sidse Ida Ingemann, Ritz, C., Sjödin, Anders Mikael & Geiker, Nina Rica Wium, 2021, I: Clinical Nutrition. 40, 12, s. 5726-5733 8 s.

**Diets, nutrients, genes and the microbiome: Recent advances in personalised nutrition**

Matusheski, N., Caffrey, A., Christensen, Lars, Mezgec, S., Surendran, S., Hjorth, Mads Fiil, McNulty, H., Pentieva, K., Roager, Henrik Munch, Seljak, B. K., Vimalaswaran, K. S., Remmers, M. & Peter, S., 2021, I: British Journal of Nutrition. 126, 10, s. 1489-1497 9 s.

**Physical activity, sedentary behavior, and sleep before and after bariatric surgery and associations with weight loss outcome**

Nielsen, M. S., Alsaoodi, H., Hjorth, Mads Fiil & Sjödin, Anders Mikael, 2021, I: Obesity Surgery. 31, 1, s. 250-259 10 s.

**Sex, food, and the gut microbiota: Disparate response to caloric restriction diet with fibre supplementation in women and men**

Benítez-Páez, A., Hess, A. L., Krautbauer, S., Liebisch, G., Christensen, Lars, Hjorth, Mads Fiil, Larsen, T. M., Sanz, Y. & MyNewGut Consortium, M. C., 2021, I: Molecular Nutrition & Food Research. 65, 8, 13 s., 2000996.

**The association between vitamin D receptor polymorphisms and tissue-specific insulin resistance in human obesity**

Pramono, A., Jocken, J. W. E., Adriaens, M. E., Hjorth, Mads Fiil, Astrup, A., Saris, W. H. M. & Blaak, E. E., 2021, I: International Journal of Obesity. 45, s. 818-827 10 s.

### **10 eksperter: Vi har brug for handleplan for svær overvægt nu**

Nielsen, P., Bruun, J. M., Jakobsen, J. S., Tjønneland, A., Jørgensen, D. G., Vilsbøll, Tina, Böttcher, M., Tønnesen, P., Hjorth, Mads Fiil & Klinker, S., 18 jun. 2020, I: Sundhedspolitisk Tidsskrift. 2 s.

### **Diet and exercise in the prevention and treatment of type 2 diabetes mellitus**

Magkos, Faidon, Hjorth, Mads Fiil & Astrup, A., 2020, I: Nature Reviews Endocrinology. 16, 10, s. 545-555 11 s.

### **High fat diets for weight loss among subjects with elevated fasting glucose levels: The PREDIMED study**

Hjorth, Mads Fiil, Corella, D., Astrup, A., Ruiz-Canela, M., Salas-Salvado, J., Fito, M., Martínez-González, J., Romaguera, D., Lapetra, J., Estruch, R., Serra-Majem, L., Pinto, X., Alonso-Gómez, Á., Martínez, J. A. & Martínez-González, M. A., 2020, I: Obesity Medicine. 18, 4 s., 100210.

### **Microbial enterotypes beyond genus level: *Bacteroides* species as a predictive biomarker for weight change upon controlled intervention with arabinoxylan oligosaccharides in overweight subjects**

Christensen, Lars, Sørensen, C. V., Wøhlk, F. U., Kjølbaek, Louise, Astrup, A., Sanz, Y., Hjorth, Mads Fiil & Benítez-Páez, A., 2020, I: Gut Microbes. 12, 17 s., 1847627.

### **No effects on appetite or body weight in weight-reduced individuals of foods containing components previously shown to reduce appetite - Results from the SATIN (Satiety Innovation) study**

Andersen, S. V., Sandby, Karoline, Hjorth, Mads Fiil, Korndal, S. K., Ritz, C., Sjödin, Anders Mikael, Halford, J. C. G., Mead, B. R., Christiansen, P., Harrold, J. A., Camacho-barcía, L., García-gavilán, J. F., Salas-salvadó, J., Bulló, M. & Hansen, T. T., 2020, I: Obesity Medicine. 17, s. 1-19 100188.

### **Pretreatment *Prevotella*-to-*Bacteroides* ratio and markers of glucose metabolism as prognostic markers for dietary weight loss maintenance**

Hjorth, Mads Fiil, Christensen, Lars, Kjølbaek, Louise, Larsen, L. H., Roager, Henrik Munch, Kiilerich, P., Kristiansen, Karsten & Astrup, A., 2020, I: European Journal of Clinical Nutrition. 74, 2, s. 338-347 10 s.

### **Pretreatment *Prevotella*-to-*Bacteroides* ratio and salivary amylase gene copy number as prognostic markers for dietary weight loss**

Hjorth, Mads Fiil, Christensen, Lars, Larsen, T. M., Roager, Henrik Munch, Krych, Lukasz, Kot, Witold, Nielsen, Dennis Sandris, Ritz, C. & Astrup, A., 2020, I: American Journal of Clinical Nutrition. 111, 5, s. 1079-1086 8 s.

### **The role of viscous fiber for weight loss: food for thought and gut bacteria**

Hjorth, Mads Fiil & Astrup, A., 2020, I: American Journal of Clinical Nutrition. 111, 2, s. 242-243 2 s.

### **Variations in accelerometry measured physical activity and sedentary time across Europe - harmonized analyses of 47,497 children and adolescents**

Steene-Johannessen, J., Hansen, B. H., Dalene, K. E., Kolle, E., Northstone, K., Møller, N. C., Grøntved, A., Wedderkopp, N., Kriemler, S., Page, A. S., Puder, J. J., Reilly, J., Sardinha, L. U. B., Van Sluijs, E. M. F., Andersen, L. B., Van Der Ploeg, H., Ahrens, W., Flexeder, C., Standl, M., Schulz, H. & 51 flere, Moreno, L. A., De Henauw, S., Michels, N., Cardon, G., Ortega, F. B., Ruiz, J., Aznar, S., Fogelholm, M., Decelis, A., Olesen, L. G., Hjorth, Mads Fiil, Santos, R., Vale, S., Christiansen, L. B., Jago, R., Basterfield, L., Owen, C. G., Nightingale, C. M., Eiben, G., Polito, A., Lauria, F., Vanhelst, J., Hadjigeorgiou, C., Konstabel, K., Molnár, D., Sprengeler, O., Manios, Y., Harro, J., Kafatos, A., Anderssen, S. A., Ekelund, U., Andersen, L. B., Anderssen, S., Atkin, A. J., Cardon, G., Davey, R., Ekelund, U., Esliger, D. W., Hallal, P., Hansen, B. H., Janz, K. F., Kriemler, S., Møller, N., Northstone, K., Pate, R., Puder, J. J., Reilly, J. J., Salmon, J., Sardinha, L. B., Sherar, L. B. & Van Sluijs, E. M. F., 2020, I: International Journal of Behavioral Nutrition and Physical Activity. 17, 1, 14 s., 38.

### **Weekly variation in diet and physical activity among 4-75-year-old Danes**

Nordman, M., Matthiessen, J., Billoft-Jensen, A., Ritz, C. & Hjorth, Mads Fiil, 2020, I: Public Health Nutrition. 23, 8, s. 1350-1361 12 s.

### ***Prevotella*-to-*Bacteroides* ratio predicts body weight and fat loss success on 24-week diets varying in macronutrient composition and dietary fiber: results from a post-hoc analysis**

Hjorth, Mads Fiil, Blædel, T., Bendtsen, L. Q., Lorenzen, J. K., Holm, J. B., Kiilerich, P., Roager, Henrik Munch, Kristiansen, Karsten, Larsen, L. H. & Astrup, A., 1 jan. 2019, I: International Journal of Obesity. 43, 1, s. 149-157

**Prevotella abundance predicts weight loss success in healthy, overweight adults consuming a whole-grain diet ad libitum: A post hoc analysis of a 6-wk randomized controlled trial**  
Christensen, Lars, Vuholm, S., Roager, Henrik Munch, Nielsen, Dennis Sandris, Krych, Lukasz, Kristensen, M. B., Astrup, A. & Hjorth, Mads Fiil, 2019, I: Journal of Nutrition. 149, 12, s. 2174-2181 8 s.

**Circulating metabolites associated with objectively measured sleep duration and sleep variability in overweight/obese participants: A metabolomics approach within the SATIN study**  
Papandreou, C., Camacho-Barcia, L., García-Gavilán, J., Hansen, T. T., Hjorth, Mads Fiil, Halford, J. C. G., Salas-Salvadó, J., Sjödin, Anders Mikael & Bulló, M., 2019, I: Sleep. 42, 5, 8 s., zsz030.

**Effects of exercise domain and intensity on sleep in women and men with overweight and obesity**  
Quist, Jonas Salling, Rosenkilde, M., Gram, A. S., Blond, Martin Bæk, Holm-Petersen, D., Hjorth, Mads Fiil, Stallknecht, Bente Merete & Sjödin, Anders Mikael, 2019, I: Journal of Obesity. 2019, 12 s., 2189034.

**Fasting glucose state determines metabolic response to supplementation with insoluble cereal fibre: A secondary analysis of the Optimal Fibre Trial (OptiFIT)**  
Kabisch, S., Meyer, N. M. T., Honsek, C., Gerbracht, C., Dambeck, U., Kemper, M., Osterhoff, M. A., Birkenfeld, A. L., Arafat, A. M., Hjorth, Mads Fiil, Weickert, M. O. & Pfeiffer, A. F. H., 2019, I: Nutrients. 11, 10, 12 s., 2385.

**Is reduction in appetite beneficial for body weight management in the context of overweight and obesity? Yes, according to the SATIN (Satiety Innovation) study**  
Hansen, T. T., Mead, B. R., García-Gavilán, J. F., Korndal, S. K., Harrold, J. A., Camacho-Barcia, L., Ritz, C., Christiansen, P., Salas-Salvadó, J., Hjorth, Mads Fiil, Blundell, J., Bulló, M., Halford, J. C. G. & Sjödin, Anders Mikael, 2019, I: Journal of Nutritional Science. 8, 13 s., e39.

**Metabolic improvements during weight loss: The RNPC® cohort**  
Christensen, Lars, Thorning, T. K., Fabre, O., Legrand, R., Astrup, A. & Hjorth, Mads Fiil, 2019, I: Obesity Medicine. 14, 7 s., 100085.

**Methods of Inducing Weight Loss, Treating Obesity and Preventing Weight Gain**  
Astrup, A., Ritz, C., Hjorth, Mads Fiil & Zohar, Y., 2019, IPC nr. A61P 3/00 (2006.01), A61K 36/899 (2006.01), 14 dec. 2017

**Personalized nutrition: pretreatment glucose metabolism determines individual long-term weight loss responsiveness in individuals with obesity on low-carbohydrate versus low-fat diet**  
Hjorth, Mads Fiil, Astrup, A., Zohar, Y., Urban, L. E., Sayers, R. D., Patterson, B. W., Herring, S. J., Klein, S., Zemel, B. S., Foster, G. D., Wyatt, H. R. & Hill, J. O., 2019, I: International Journal of Obesity. 43, s. 2037-2044 8 s.

**Predictors of successful weight loss with relative maintenance of fat-free mass in individuals with overweight and obesity on an 8-week low-energy diet**  
Hansen, T. T., Hjorth, Mads Fiil, Sandby, Karoline, Andersen, S. V., Astrup, A., Ritz, C., Bulló, M., Camacho-Barcia, M. L., García-Gavilán, J. F., Salas-Salvadó, J., Harrold, J. A., Halford, J. C. G. & Sjödin, Anders Mikael, 2019, I: British Journal of Nutrition. 122, 4, s. 468-479 12 s.

**Pretreatment fasting glucose and insulin as determinants of weight loss on diets varying in macronutrients and dietary fibers - The POUNDS LOST Study**  
Hjorth, Mads Fiil, Bray, G. A., Zohar, Y., Urban, L., Miketinas, D. C., Williamson, D. A., Ryan, D. H., Rood, J., Champagne, C. M., Sacks, F. M. & Astrup, A., 2019, I: Nutrients. 11, 3, 12 s., 586.

**Pretreatment fasting glucose and insulin as determinants of weight loss on diets varying in macronutrients and dietary fibers - The POUNDS LOST Study**  
Hjorth, Mads Fiil, Bray, G. A., Zohar, Y., Urban, L. E., Miketinas, D. C., Williamson, D. A., Ryan, D. H., Rood, J., Champagne, C. M., Sacks, F. M. & Astrup, A., 2019, *Personalized Nutrition*. Moschonis, G., Livingstone, K. & Biesiekierski, J. (red.). Basel: Multidisciplinary Digital Publishing Institute, s. 73-84 12 s.

**Salivary  $\alpha$ -amylase copy number is not associated with weight trajectories and glycemic improvements following clinical weight loss: results from a 2-phase dietary intervention study**

Valesia, A., Kulkarni, S. S., Marquis, J., Leone, P., Mironova, P., Walter, O., Hjorth, Mads Fiil, Descombes, P., Hager, J., Saris, W. H., Astrup, A., Darimont, C. & O'Callaghan, N. J., 2019, I: American Journal of Clinical Nutrition. 109, 4, s. 1029-1037 9 s.

**Weight loss at your fingertips: personalized nutrition with fasting glucose and insulin using a novel statistical approach**

Ritz, C., Astrup, A., Larsen, T. M. & Hjorth, Mads Fiil, 2019, I: European Journal of Clinical Nutrition. 73, 11, s. 1529-1535 7 s.

**Weight loss following an intensive dietary weight loss program in obese candidates for bariatric surgery: The retrospective RNPC® cohort**

Nielsen, M. S., Sjödin, Anders Mikael, Fabre, O., Legrand, R., Astrup, A. & Hjorth, Mads Fiil, 2019, I: Obesity Medicine. 15, 8 s., 100127.

**Classification of obesity targeted personalized dietary weight loss management based on carbohydrate tolerance**

Astrup, A. & Hjorth, Mads Fiil, 2018, I: European Journal of Clinical Nutrition. 72, 9, s. 1300-1304 5 s.

**Does stress affect food preferences? - A randomized controlled trial investigating the effect of examination stress on measures of food preferences and obesogenic behavior**

Schmidt, J. B., Johanneson Bertolt, C., Sjödin, Anders Mikael, Ackermann, F., Schmedes, A. V., Lynge Thomsen, H., Juncher, A. M. & Hjorth, Mads Fiil, 2018, I: Stress: The International Journal on the Biology of Stress . 21, 6, s. 556-563 8 s.

**Does stress influence sleep patterns, food intake, weight gain, abdominal obesity and weight loss interventions and vice versa?**

Geiker, Nina Rica Wium, Astrup, A., Hjorth, Mads Fiil, Sjödin, Anders Mikael, Pijls, L. & Markus, R. C., 2018, I: Obesity Reviews. 19, 1, s. 81-97 17 s.

**Genetic predisposition to adiposity is associated with increased objectively assessed sedentary time in young children**

Schnurr, T. M., Viitasalo, A., Eloranta, A., Damsgaard, Camilla Trab, Mahendran, Y., Have, C. T., Väistö, J., Hjorth, Mads Fiil, Christensen, L. B., Brage, S., Atalay, M., Lyytikäinen, L., Lindi, V., Lakka, T., Michaelsen, Kim F., Kilpeläinen, Tuomas O. & Hansen, Torben, 2018, I: International Journal of Obesity. 42, 1, s. 111-114 4 s.

**Microbial enterotypes in personalized nutrition and obesity management**

Christensen, Lars, Roager, Henrik Munch, Astrup, A. & Hjorth, Mads Fiil, 2018, I: American Journal of Clinical Nutrition. 108, 4, s. 645-651 7 s.

**Personalized dietary management of overweight and obesity based on measures of insulin and glucose**

Hjorth, Mads Fiil, Zohar, Y., Hill, J. O. & Astrup, A., 2018, I: Annual Review of Nutrition. 38, s. 245-272 28 s.

**Personlig ernæring til vægttab blandt overvægtige**

Hjorth, Mads Fiil & Astrup, A., 2018, I: Ugeskrift for Laeger. 180, 22, s. 2-6 5 s., V11170897.

**Pre-treatment microbial *Prevotella*-to-*Bacteroides* ratio, determines body fat loss success during a 6-month randomized controlled diet intervention**

Hjorth, Mads Fiil, Roager, Henrik Munch, Larsen, T. M., Poulsen, S. K., Licht, T. R., Bahl, M. I., Zohar, Y. & Astrup, A., 2018, I: International Journal of Obesity. 42, s. 580-503 4 s.

**Type C: Spis Dig Slank Med Blodsukkerkuren**

Astrup, A., Bitz, C. & Hjorth, Mads Fiil, 2018, København: Politikens Forlag. 151 s.

**Weight loss and weight loss maintenance efficacy of a novel weight loss program: The retrospective RNPC® cohort**

Thorning, T. K., Fabre, O., Legrand, R., Astrup, A. & Hjorth, Mads Fiil, 2018, I: Obesity Medicine. 10, s. 16-23 8 s.

**Common genetic variants are associated with lower serum 25-hydroxyvitamin D concentrations across the year among children at northern latitudes**

Petersen, R. A., Larsen, L. H., Damsgaard, Camilla Trab, Sørensen, L. B., Hjorth, Mads Fiil, Andersen, R., Tetens, Inge, Krarup, H., Ritz, C., Astrup, A., Michaelsen, Kim F. & Mølgaard, Christian, 2017, I: British Journal of Nutrition. 117, 6, s. 829-838 10 s.

**Improvement in age-related cognitive functions and life expectancy by ketogenic diets**

Astrup, A. & Hjorth, Mads Fiil, 2017, I: Nature Reviews Endocrinology. 13, 12, s. 695-696 2 s.

**Low-fat or low carb for weight loss? It depends on your glucose metabolism**

Astrup, A. & Hjorth, Mads Fiil, 2017, I: EBioMedicine. 22, s. 20-21 2 s.

**Pretreatment fasting plasma glucose and insulin modify dietary weight loss success: results from 3 randomized clinical trials**

Hjorth, Mads Fiil, Ritz, C., Blaak, E., Saris, W. H., Langin, D., Poulsen, S. K., Larsen, T. M., Sørensen, Thorkild I.A., Zohar, Y. & Astrup, A., 2017, I: American Journal of Clinical Nutrition. 106, 2, s. 499-505 7 s.

**Pretreatment fasting plasma glucose modifies dietary weight loss maintenance success: Results from a stratified RCT**

Hjorth, Mads Fiil, Due, A., Larsen, T. M. & Astrup, A., 2017, I: Obesity. 25, 12, s. 2045-2048 4 s.

**Self-Reported Versus Accelerometer-Assessed Daily Physical Activity in Childhood Obesity Treatment**

Schnurr, T. M., Bech, B., Haarmark Nielsen, T. R., Andersen, I. G., Hjorth, Mads Fiil, Aadahl, Mette, Fonvig, Cilius Esmann, Hansen, Torben & Holm, Jens-Christian, 2017, I: Perceptual and Motor Skills. 124, 4, s. 795-811 17 s.

**Type A: Spis Dig Slank Efter Dit Blodsukker**

Astrup, A., Bitz, C. & Hjorth, Mads Fiil, 2017, København: Politikens Forlag. 151 s.

**Type B: Spis Dig Slank Efter Dit Blodsukker**

Astrup, A., Bitz, C. & Hjorth, Mads Fiil, 2017, København: Politikens Forlag. 151 s.

**Weekday variation in triglyceride concentrations in 1.8 million blood samples**

Jaskolowski, J., Ritz, C., Sjödin, Anders Mikael, Astrup, A., Szecsi, P. B., Stender, Steen & Hjorth, Mads Fiil, 2017, I: Journal of Lipid Research. 58, 6, s. 1204-1213 10 s.

**Are children like werewolves? Full moon and its associations with sleep and activity behaviors in an international sample of children**

Chaput, J-P., Weippert, M., Leblanc, A. G., Hjorth, M. F., Michaelsen, K. F., Katzmarzyk, P. T., Tremblay, M. S., Barreira, T. V., Broyles, S. T., Fogelholm, M., Hu, G., Kuriyan, R., Kurpad, A., Lambert, E. V., Maher, C., Maia, J., Matsudo, V., Olds, T., Onywera, V., Sarmiento, O. L. & 4 flere, Standage, M., Tudor-Locke, C., Sjödin, Anders Mikael & Zhao, P., 2016, I: Frontiers in Pediatrics. 4, 6 s., 4.

**Differences in the effects of school meals on children's cognitive performance according to gender, household education and baseline reading skills**

Sørensen, L. B., Damsgaard, Camilla Trab, Petersen, R. A., Dalskov, S., Hjorth, Mads Fiil, Dyssegaard, C. B., Egelund, N., Tetens, Inge, Astrup, A., Lauritzen, Lotte & Michaelsen, Kim F., 2016, I: European Journal of Clinical Nutrition. 70, 10, s. 1155-1161 7 s.

**Maternal fish oil supplementation during lactation is associated with reduced height at 13 years of age and higher blood pressure in boys only**

Lauritzen, Lotte, Eriksen, S. E., Hjorth, Mads Fiil, Nielsen, M. S., Olsen, Sjurdur F., Stark, K. D., Michaelsen, Kim F. & Damsgaard, Camilla Trab, 2016, I: The British Journal of Nutrition. 116, 12, s. 2082-2090 9 s.

**Normal weight children have higher cognitive performance - independent of physical activity, sleep, and diet**

Hjorth, Mads Fiil, Sørensen, L. B., Andersen, R., Dyssegaard, C. B., Ritz, C., Tetens, Inge, Michaelsen, Kim F., Astrup, A., Egelund, N. & Sjödin, Anders Mikael, 2016, I: Physiology & Behavior. 165, s. 398-404 7 s.

**Physical activity, sedentary time, and sleep and the association with inflammatory markers and adiponectin in 8- to 11-year-old Danish children**

Nielsen, M. S., Quist, Jonas Salling, Chaput, J., Dalskov, S., Damsgaard, Camilla Trab, Ritz, C., Astrup, A., Michaelsen, Kim F., Sjödin, Anders Mikael & Hjorth, Mads Fiil, 2016, I: Journal of Physical Activity & Health. 13, 7, s. 733-739 7 s.

**Rebuttal - Factors affecting cognitive performance in children with special reference to sleep and sedentary behavior**

Hjorth, Mads Fiil & Sjödin, Anders Mikael, 2016, I: Physiology & Behavior. 167, s. 413 1 s.

**Seasonal variations in growth and body composition of 8-11-year-old Danish children**

Dalskov, S., Ritz, C., Larnkjær, Anni, Damsgaard, Camilla Trab, Petersen, R. A., Sørensen, L. B., Hjorth, Mads Fiil, Ong, K. K., Astrup, A., Mølgaard, Christian & Michaelsen, Kim F., 2016, I: Pediatric Research. 79, 2, s. 358-363 6 s.

**Sleep and cardiometabolic risk in children and adolescents: A review**

Quist, Jonas Salling, Sjödin, Anders Mikael, Chaput, J. & Hjorth, Mads Fiil, 2016, I: Sleep Medicine Reviews. 29, 1, s. 76-100 25 s.

**Sleep duration modifies effects of free *ad libitum* school meals on adiposity and blood pressure**

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