

4th Annual Research Meeting Amsterdam Movement Sciences March 18, 2021

Program

- 09:30 Opening by **dr. Nathalie Bravenboer** and **dr. Sjoerd Bruijn**
- 09:35 **Richard Jaspers** and **Mario Maas**, directors Amsterdam Movement Sciences: *Past, Present and Future*; **Professor dr. Frans Nollet** in the spotlight
- 09:45 Introduction online poster sessions
- 09:50 Poster session 1a
- 10:20 Break
- 10:30 Poster session 1b
- 11:00 Keynote 1: **Professor dr. Annemieke Buizer**, Amsterdam UMC / Emma Children's Hospital: *Moving forward: targeted treatment to improve mobility in cerebral palsy*
- 11:40 Report from the AMS research programs:
Professor dr. Evert Verhagen, Amsterdam UMC, location VUmc;
Professor dr. Raymond Ostelo, Science, VU;
Dr. Dimitra Micha, Amsterdam UMC, location VUmc;
Professor dr. Mirjam Pijnappels, FGB, VU;
Dr. Sicco Bus, Amsterdam UMC, location AMC
- 12:20 Lunch
- 13:05 Poster session 2a
- 13:35 Break
- 13:45 Poster session 2b
- 14:15 Keynote 2: **Jelle Staleman**, UIAGM mountain guide: *Dealing with uncertainties with the summit as a goal*
- 15:15 Awards and AMS Outstanding Paper Presentation
- 15:30 Closure by **dr. Nathalie Bravenboer** and **dr. Sjoerd Bruijn**

Registration closes March 10, 2021

Accreditation: The Amsterdam Movement Sciences - Annual Meeting, Amsterdam, Netherlands, 18/03/2021- 18/03/2021 has been **accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 5 European CME credits (ECMEC®s)**. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.



Keynote 1

Professor dr. Annemieke Buizer, Rehabilitation medicine, Amsterdam UMC, location Vumc: *Moving forward: targeted treatment to improve mobility in cerebral palsy*

Abstract: Cerebral palsy is the largest childhood-onset diagnosis causing mobility limitations. It is related to early brain damage, is extremely variable in its clinical presentation, and treatment is a great challenge. Developing strategies to improve mobility performance is the goal of current research programs at the Amsterdam UMC Cerebral Palsy Center of Expertise. The key goals of these studies are: first, to unravel mechanisms of motor impairments underlying movement pathology and improving diagnosis, using new technologies. These impairments include spasticity, dystonia and musculoskeletal changes. Second, to establish the determinants of outcome of current interventions on the short and long-term. Third, to provide evidence for new therapies with high quality clinical trials. Ultimately, this will lead to individually tailored, personalized treatment, avoiding detrimental effects of the condition during growth and achieving the best possible level of functioning for the child and eventually the adult with cerebral palsy.

Keynote 2

Jelle Staleman, UIAGM mountain guide: *Dealing with uncertainties with the summit as a goal*

After years of preparation and hard training Jelle decided to turn around only 400 meters below the summit of the world's second highest mountain. Although he did not reach the summit he still made his goal. Learn how to make objective decisions when your life is at stake and more important: How to be satisfied with the result even if you didn't reach the ultimate goal.

ABOUT: [Jelle Staleman](#) is one of the few Dutch UIAGM mountain guides in the Netherlands. He started his career at the Dutch Marine Corps where he did several courses for survival in the mountains, the arctic and the jungle. One of those courses was with the French Foreign Legion in French Guyana and soon after he joined the special forces where he worked in a counter terrorism unit. Subsequently he started training for the Austrian UIAGM mountain guide course and meanwhile he finished the highest qualification for ski teachers in Austria. During this time he joined several climbing expeditions all over the world where he e.g. (almost) climbed the 8611 meter high K2 and two unnamed and unclimbed peaks in Greenland. Through these experiences, Jelle learned how to make objective decisions under life threatening circumstances. Jelle now runs a company that organizes expeditions all over the world and gives motivational lectures.

AMS research program presentations

- **Professor dr. Evert Verhagen, Public Health, Amsterdam UMC, location Vumc: *Connecting via (social) media.*** **Abstract:** How to use (social) media to connect researchers within the AMs research program Sports, and using our expertise to connect with external parties.
- **Professor dr. Raymond Ostelo, Health Sciences, VU: *Tidings from the Musculoskeletal Health program.*** **Abstract:** An update from the AMS research program on Musculoskeletal Health, including a collaborative project on low back pain.
- **Dr. Dimitra Micha, Clinical Genetics, Amsterdam UMC, location Vumc: *New Osteogenesis Imperfecta (OI) treatment.*** **Abstract:** the genetic disease OI can result in hundreds of bone fractures during a lifetime, and thus far there is no effective treatment. This research project aims to develop an effective treatment by targeting collagen, the cause of the disease.
- **Professor dr. Mirjam Pijnappels, Human Movement Sciences, VU: *Ageing & Vitality: defining determinants and outcome.*** **Abstract:** The multidisciplinary AMS research program Ageing & Vitality aims to unify collaborations via the definition of common goals, determinants and outcome measures. We will present a project aimed at the definition and inventory of determinants of a core-set of outcome measures on mobility and ageing.
- **Dr. Sicco Bus, Rehabilitation medicine, Amsterdam UMC, location AMC: *Rehabilitation Program and Research Network Amsterdam.*** **Abstract:** We will present an update of the research program, its activities and members. The program has initiated a rehabilitation network, and will share with you the ideas behind and the status of the network.