

4th Annual Research Meeting

AMSTERDAM MOVEMENT SCIENCES



VENUE

KIT, Royal Tropical Institute,
Mauritskade 63,
1092 AD Amsterdam

DATE

March 13, 2020

TIME

8:30 – 18:00 hrs.

FOR MORE INFORMATION AND
REGISTRATION:



www.amsterdamresearch.org

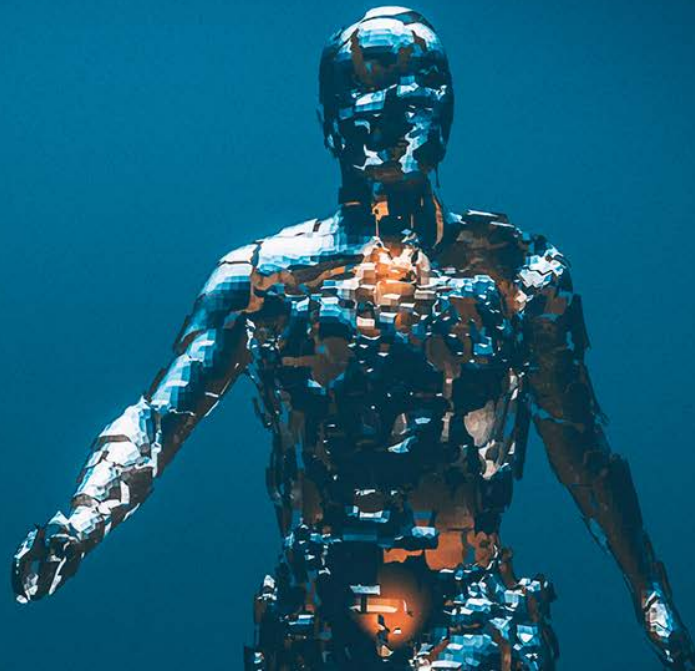
- 08:30 Registration and Coffee;
- 09:00 Opening by chairs **Dr Nathalie Bravenboer** and **Dr Sjoerd Bruijn**;
- 09:05 **Professor Frans Nollet**: Amsterdam Movement Sciences Update, including *Where do we go from here?*;
- 09:15 A dive into a selection of projects from the five AMS research programs:
Dr Koen Levels, Human Movement Sciences, VU / AMS Sports research program: *Preparation of TeamNL for the hot and humid Olympic Games in Tokyo*;
Dr Jesper Knoop, Fac. of Science, VU / AMS Musculoskeletal Health research program: *Optimization of exerCise Therapy in patients with knee Osteoarthritis in a Primary care Setting (OCTOPuS)*;
Dr Dimitri Micha, Amsterdam UMC / AMS Tissue Function & Regeneration research program: *Development of novel gene therapy for Osteogenesis Imperfecta*;
Sven Geelen MSc, Amsterdam UMC / AMS Ageing & Vitality research program: *Improving physical activity levels in hospitalized patients*;
Mique Saes MSc, Amsterdam UMC / AMS Rehabilitation & Development research program: *4D-EEG: the relation between spectral characteristics and motor recovery post stroke*;
- 10:15 Keynote 1: **Professor Annemieke Buizer**, Amsterdam UMC / Emma Children's Hospital: *Individualized rehabilitation in children with cerebral palsy*;
- 10:45 Coffee break;
- 11:15 Workshop round 1;
- 12:30 Lunch and Poster Session;
- 13:45 Workshop round 2;
- 15:00 Keynote 2: **Professor Yvo Smulders**, Amsterdam UMC: *Societal Relevance: is it Relevant?*
- 15:30 Coffee break;
- 16:00 Keynote 3: **Professor Paul van Zuijlen**, Amsterdam UMC / Dutch Burns Centre: *Healing burns: a new look at the whole*;
- 16:30 PhD and ECR Update;
- 16:40 Awards and presentation by winner Outstanding Paper Award;
- 16:55 Closure;
- 17:00 – 18:00 Traffic Jam Drinks!

Amsterdam
Movement
Sciences



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Workshop round 1:
11:15 – 12:30 hrs.
Workshop round 2:
13:45 – 15:00 hrs.

Workshop summary

An Introduction to Bayesian Statistics with JASP. Join the workshop for a conceptual introduction to the basics of Bayesian statistics and an introduction to JASP, a user-friendly, open source software package that allows users to do Bayesian data analysis for standard statistical problems. Bring your laptop!

Automated video-based movement analysis using machine learning; using the DeepLabCut toolbox for tracking movements in children, animals, and Muscles. (Dr Helga Haberfehlner and Dr Lynn Bar-On). DeepLabCut is a newly developed, open-source toolbox code that builds on a state-of-the-art machine learning to allow a user to train a deep neural network with limited training data to precisely track user-defined landmarks in videos. Bring your laptop!

Research Integrity (Dr Jaap van Netten and Dr Gerben ter Riet). How is your daily work affected by choices on integrity? And how do you handle situations when there's pressure on your choices? Test your skills during this RI-Bingo! NOTE: The workshop is only available during the first workshop round.

*Introduction to the *Research Professional Funding Database.* The workshop is open to all AMS members, but is especially relevant for PhDs and ECRs. Bring a laptop and set up an [account](#) in advance.

RNA-seq analysis using the Amsterdam UMC core facilities: from the test-tube to functional interpretation (Dr Daoud Sie, Dr Peter Henneman, Dr Piet Molenaar and Dr Jan Koster). This workshop will provide insight and hands-on experience in how a typical RNA-seq project flows through the available Core Facilities at Amsterdam UMC. Bring your laptop!

Room for everyone's talent (Dirk-Jan den Boer, director SGW @ NWO, and Talent portfolio holder). Discussion based on the recent position paper [Ruimte for Ieders Talent](#) published by KNAW and VSNU in collaboration with ZonMw.

The heart is also a muscle: the basics of cardiac imaging (Dr Harald Thune Jørstad). A hands-on workshop in cardiac imaging and practical echocardiography for beginners. No prior experience needed.