



Invitation to a Research Symposium:

Knees in the balance

- New results in knee osteoarthritis research

Wednesday 23 August 2017 - from 10.00 – 15.00

Aalborg University, Fredrik Bajers Vej 7B, room B2-104

Aalborg University cordially invites you to participate in a research symposium on biomechanics in knee osteoarthritis. The symposium is organized in cooperation between three research programs:

- Innovative Osteoarthritis Interventions funded by Innovation Fund Denmark
- KNEEMO funded by the European Union
- Prediction of the functional outcome and failure of total knee arthroplasty funded by the Sapere Aude program.

The presenters are looking forward to sharing their brand new results on knee osteoarthritis rooted in biomechanics and novel experimental methods.

Please feel free to share the invitation with friends and colleagues who might be interested.

- 10.00 – 10.20 **Welcome** by
- a. John Rasmussen, Aalborg University
 - b. Ole B. Simonsen, Aalborg University Hospital: Frontline report from the medical battlefield of KOA
- 10.20 – 10.40 **Biomechanical factors associated with tibiofemoral knee osteoarthritis – a systematic review and meta-analysis** by Joyce van Tunen, The University of Southern Denmark
- 11.00 – 11.20 **Impact of exercise on knee joint cartilage: Systematic reviews and meta-analyses** by Alessio Bricca, The University of Southern Denmark
- 11.40 – 12.00 **Vibroarthography – Past approaches and Future prospects** by Rasmus Elbæk Andersen, Aalborg University
- 12.20 – 12.40 **Investigating the relationship between pain profile and acoustic signals in osteoarthrtis patients** by Neeraja Sri Murugan, CCBR A/S
- 12.40 – 13.30 **Lunch break**
- 13.30 – 13.50 **Investigating varying levels of knee joint model complexity using subject-specific data** by Christine Dzialo, Aalborg University
- 13.50 – 14.10 **Effect of gait modification on cartilage stresses** by Kimmo Halonen, Aalborg University
- 14.10 – 14.30 **On the biomechanical relationship btw. applied hip, knee and ankle joint moments and the internal knee compressive forces** by Jonas Stoltze, Aalborg University



14.30 – 14.50 **Knee laxity measurements in three dimensions** by Dennis Pedersen,
Aalborg University

14.50 – 15.00 **Closing remarks**

Participation is free of charge. Deadline for registration is 18 August 2017. Please send an e-mail to: Ida Vith Johnsen ivj@hst.aau.dk.

Kind regards,

John Rasmussen
Professor, Aalborg University